

SEMI-CONDUCTEURS "ANALOGIC"

Amplificateurs audio
Amplificateurs opérationnels
Comparateurs
Convertisseurs AD/DA
Décodeurs
Détecteurs
Diodes de référence
Drivers
Line Driver
Micro-moniteur
Multiplexeurs
Phase locked loop
Préamplificateurs
Référence de tensions
Switches analogiques
Temperature sensor
Timers
Waveform Generator
etc...

SEMI-CONDUCTEURS "DIGITAL"

Circuits intégrés 74 série
Circuits intégrés 4000 série

SEMI-CONDUCTEURS "MCU"

Microprocesseurs et périphériques
Mémoires
NV-RAMS

SEMI-CONDUCTEURS "DIVERS"

Battery Backup-Switch
Battery Charger
Convertisseurs AC/DC
Convertisseurs DC/DC
Diodes
Quartz
MOSFETs
Redresseurs
Régulateurs de tension
Socles
Thyristors
Transil Diode
Transistors
Triacs

COMMUNICATION

N°d'art.	Type	Boîtier	VCC		Bus	Prix 1...	25...
50349 ^P	FT232RL	SSOP-28	3.3..5.25V	USB-> UART, RS482,RS485,RS232	RS232	4.20	3.80
70300 ^{AP}	HIN213EIA	SSOP-28	5V	4-Transmitter/5-Receiver, Shutdown	RS232	2.60	2.20
50350	MAX202CSE	SO-16	5V	Dual Transmitter/Receiver, 0.1uF cap.	RS232	1.20	0.90
50352	MAX202CWE	SO-16W	5V	Dual Transmitter/Receiver, 0.1uF cap.	RS232	1.70	1.50
50351 ^P	MAX232	DIL-16	5V	Dual Transmitter/Receiver	RS232	1.00	0.80
50361	MAX232CSE	SO-16	5V	Dual Transmitter/Receiver	RS232	1.00	0.80
50353 ^P	MAX3232	DIL -16	3...5,5V	Dual Transmitter/Receiver, 0.1uF cap.	RS232	3.80	3.50
50354	MAX3232	SO-16W	3...5,5V	Dual Transmitter/Receiver, 0.1uF cap.	RS232	3.10	2.80
F0012 ^P	SP3223ECA	SSOP-20	3...5,5V	Dual Transmitter/Receiver	RS232	5.20	4.80
31592	DS14C88	DIL-14	±5...±12V	Quad Line Driver	RS232	1.80	1.50
74034	DS14C88M	SO-14	±5...±12V	Quad Line Driver	RS232	1.80	1.50
74422	MC1488D	SO-14	±5...±12V	Quad Line Driver	RS232	0.50	0.40
74420	DS1488-SN75188	DIL-14	±7,5...±15V	Quad Line Driver	RS232	0.70	0.60
31594	DS14C89	DIL-14	5V	Qual Line Receiver	RS232	1.80	1.50
74407	DS1489-SN75189	DIL-14	5V	Qual Line Receiver	RS232	0.70	0.50
F0011	DS1489AM	SO-14	5V	Qual Line Receiver	RS232	0.90	0.70
74035	DS14C89AM	SO-14	5V	Qual Line Receiver	RS232	1.80	1.50
31602	SN75150	DIL-8	±12V	Dual Line Driver	RS232	2.20	1.90
70322	SN75189AD	SO-14	5V	Quad Low-Power Line Receiver	RS232	0.90	0.60
31600	SN75154	DIL-16	5V	Quad Line Receiver	RS232	2.20	1.90
70321	SN75C1406D	SO-16	±4,5...±15V	Triple Low-Power Drivers/ Receivers	RS232	1.90	1.50
84126 ^P	DS485TM	SO-8	5V	Bidirectional Differential Bus Transceiver	RS422/RS485	3.00	2.50
F0100 [*]	MAX3485CSA	SO-8	3,3V	Bidirectional Differential Bus Transceiver	RS422/RS485	2.70	2.10
50110 ^P	SN75172	DIL-16	5V	Quad Differential Line Driver	RS422/RS485	2.80	2.40
50111	SN75173	DIL-16	5V	Quad Differential Line Receiver	RS422/RS485	2.80	2.40
50113	SN75176BP	DIL-8	5V	Bidirectional Differential Bus Transceiver	RS422/RS485	0.90	0.50
50118	SN75176BD	SO-8	5V	Bidirectional Differential Bus Transceiver	RS422/RS485	0.70	0.50
50112	SN75179	DIL-8	5V	Differential Driver And Receiver Pair	RS422/RS425	1.20	1.00
50116 ^P	AM26LS32ACD	SO-16	5V	Quad Differential Line Receiver	RS422/RS423	0.70	0.60
70331 [*]	AM(DS)26C32	SO-16	5V	Quad Differential Line Receiver	RS422/RS423	0.60	0.50
70323	DS26LS31CM	SO-16	±5V	Quad Differential Line Driver	RS422/RS423	0.70	0.60
70332 [*]	AM(DS)26C31	SO-16	±5V	Quad Differential Line Driver	RS422/RS423	0.60	0.50
74458	DS3691N	DIL-16	±5V	Line Drivers with TRI-STATE Outputs	RS422/RS423	3.10	2.70
50049	SN75114	DIL-16	5V	Dual Line Driver	Differential	1.90	1.60
50050	SN75115	DIL-16	5V	Dual Line Receiver	Differential	2.50	2.20
84100 ^P	P82B96TD	SO-8	2...15V	Dual bi-directional bus buffer	I2C	2.40	1.90
84130 ^P	P82B715P	DIL-8	3...12,5V	Bus extender	I2C	6.50	5.80
84131	P82B715T	SO-8	3...12,5V	Bus extender	I2C	2.50	2.00
70381 [*]	PCA82C250	DIL-8	5V	Controller Interface	CAN	6.90	6.30
74048 ^P	PCA82C250	SO-8	5V	Controller Interface	CAN	1.70	1.50
74043 ^P	SJA1000T	SO-28	5V	Stand-alone CAN Controller	CAN	6.00	5.50

ANALOG SWITCHES & MULTIPLEXERS

N°d'art.	Type	Boîtier	R _{ON}		Prix 1...	25...
86028	ADG508AKR	SO-16	280R	8-Channel Analog Multiplexer	10.00	9.00
F0142*P	DG201ACJ	DIL-16	115R	Quad SPST CMOS Analog Switches	1.80	1.50
50201^P	DG201BDJ	DIL-16	45R	Quad SPST CMOS Analog Switches	2.30	1.90
50218^P	DG406DY	SO-28	<100R	1-16 Channel CMOS Analog Multiplexer	6.70	6.10
50216	DG411DJ	DIL-16	25R	Quad SPST CMOS Analog Switches	2.30	2.00
50215^P	DG411DY	SO-16	25R	Quad SPST CMOS Analog Switches	2.50	2.30
50217	DG412DY	SO-16	25R	Quad SPST CMOS Analog Switches	3.90	3.40
50203	DG441DJ	DIL-16	50R	Quad SPST CMOS Analog Switches	2.20	1.80
74437^P	Hi3-506A	DIL-28	1500R	1-16 Channel CMOS Analog Multiplexer	22.00	19.00
70085^P	ISL84541IU	MSOP-8	30R	Dual N.O. Switch	2.80	2.50
31708*	LM1037N	DIL-18		Dual Four-Channel Analog Switch	15.00	15.00

TEMPERATURE SENSORS

N°d'art.	Type	Boîtier		Plage de température	Prix 1...	25...
91566^P	KTY81-210/B	SOD70	Capteur de température résistif (2000 Ohms)	-55 °C à +150 °C	0.50	0.30
31750^P	LM335AZ	TO-92	Precision Temperature Sensor	-40 °C à +100 °C	1.50	1.30
31779^P	LM75CIM	SO-8	Digital / Thermal Watchdog / I ² C interface	-55 °C à +125 °C	1.50	1.10

CONVERTERS

N°d'art.	Type		Transfer	Boîtier	Ch	Résolution	Vcc	Prix 1...	25...
70002^P	AD7705BRZ	A/D	SPI	SO16-W	2	16-Bit	2,7...5.25V	9.80	9.00
31552	ADC0804LCN	A/D	Parallel	DIL-20	1	8-Bit	5V	3.80	3.20
31554	ADC0809CCN	A/D	Parallel	DIL-28	8	8-Bit	5V	6.50	5.60
31556	ADC0820CCN	A/D	Parallel	DIL-20	1	8-Bit High Speed	5V	1.80	1.50
31558	ADC0831CCN	A/D	Serial	DIL-8	1	8-Bit	5V	3.70	3.50
31560	ADC0844CCN	A/D	Parallel	DIL-20	4	8-Bit	5V	5.50	5.10
83051	ADS7805P	A/D	Parallel	DIL-28	1	16-Bit 10µs	5V	68.00	65.00
83052^P	ADS7805U	A/D	Parallel	SO-28W	1	16-Bit 10µs	5V	75.00	69.00
83057*	ADS7816P	A/D	Serial	DIL-8	1	12-Bit	5V	7.10	6.30
74044^P	ADS8341E	A/D	Serial	SSOP-16	4	16-Bit	2,7...5V	22.00	18.00
31583^P	TLC542	A/D	Serial	DIL-20	11	8-Bit	5V	4.90	4.50
31587^P	TLC2543	A/D	Serial	DIL-20	11	12-Bit	5V	10.80	10.00
27636^P	ICL7106CPL	A/D	LCD	DIL-40			5V	5.90	5.30
70337*	ICL7106CM44	A/D	LCD	QFP44			5V	6.30	5.50
27638	ICL7107CPL	A/D	LED	DIL-40			5V	5.90	5.30
74055^P	PCF8591T	A/D-D/A	I2C	SO-16W	4/1	8-Bit	2,5...6V	2.70	2.40
70036*P	AD7809BST	D/A	Parallel	TQFP-44	8	10-Bit	3,3...5V	18.00	18.00
31578	DAC0800LCN	D/A	Parallel	DIL-16	1	8-Bit	4,5...18V	1.20	1.00
F0113	DAC0808LCN	D/A	Parallel	DIL-16	1	8-Bit	±4,5...±18V	1.00	0.80
31582*	DAC0831LCN	D/A	Parallel	DIL-20	1	8-Bit	5...15V	12.50	11.00
31581	DAC0832LCN	D/A	Parallel	DIL-20	1	8-Bit	5...15V	9.50	9.00
83056^P	DAC7613E	D/A	Parallel	SSOP-24	1	12-Bit	5V/±5V	9.70	7.60
50000*	MAX532BCWE	D/A	Serial/SPI	SO-16	2	12-Bit	±12...±15	31.00	31.00
70049^P	LTC1451CS8	D/A	Serial/SPI	SO-8	1	12-Bit	5V	15.00	12.00
70307^P	TLC5615CD	D/A	Serial/SPI	SO-8	1	10-Bit	5V	4.90	4.10
84123*P	AD537JD	V/F	Voltage-to-Frequency	DIL-14	1		5...36V	75.00	75.00
31746^P	LM331N	V/F	Voltage-to-Frequency	DIL-8	1		4...40V	2.80	2.50
31720^P	LM2907N-14	F/V	Frequency-to-Voltage	DIL-14	1			1.80	1.50
F0000	LM2917M-14	F/V	Frequency-to-Voltage	SO-14	1			1.00	0.80

DRIVERS / CONTROLLERS / LEVEL TRANSLATOR / MOTOR DRIVER

N°d'art.	Type	Boîtier		I _{OUT}	Prix 1...	25...
50018 ^P	A4950ELJT	SO-8	Full-Bridge DMOS PWM Motor Driver	3.5A	3.10	2.60
86064 ^P	ADG3300BRUZ	TSSOP20	1,5V to 5,5V, 8-Channel, Bidirectional Logic Level Translator		4.90	4.20
73025 ^P	BTS428L	D-PACK/5	Smart High-Side Power Switch	7A	3.10	2.80
70320 [*]	DS2003CM	SO-16	7-Channel Darlington Transistor Arrays,5V/TTL-CMOS	350mA	1.00	0.80
31596 [*]	DS3632N	DIL-8	Dual CMOS Peripheral Drivers	300mA	8.70	8.00
31598 [*]	DS3633N	DIL-8	Dual CMOS Peripheral Drivers	300mA	8.70	8.00
31610 [*]	DS75491	DIL-14	Mos-To-Led Quad Segment Driver	50mA	7.50	6.90
31611 [*]	DS75492	DIL-14	Mos-To-Led Hex Digit Driver	250mA	7.50	6.90
70347 [*]	HD61602R	QFP80	64-segments Liquid Crystal Display Driver		13.00	11.00
F0128 ^{*P}	ICM7217JI	CERDIP-28	4-Digit Led Display Programmable Up/Down counter		15.00	12.00
84120 ^P	IR2121	DIL-8	Current Limiting Low Side Driver		4.00	3.50
86073 ^P	L293D	DIL-16	Push-Pull four Channel Driver with Diodes	600mA/Channel	3.80	3.20
86074	L293DD	SO-20W	Push-Pull four Channel Driver with Diodes	600mA/Channel	7.90	7.10
86071 ^P	L297/1	DIL-20	Stepper Motor Controller		8.60	8.10
86072 ^P	L298N	Multiwatt-15	Dual Full-Bridge Driver	2A-DC/Channel	3.80	3.50
50083 ^P	L6202	DIL-18	DMOS Dual Full-Bridge Driver	1,5A-DC/Channel	8.90	8.10
31723 ^P	LM3046M	SO-14	Transistor Array, 5xNPN		2.30	1.80
31798 ^P	LM3914N	DIL-18	Dot-Bar Display Linear		3.20	2.50
31797	LM3915N	DIL-18	Dot-Bar Display Logarithmic		3.20	2.60
50360 ^{*P}	MC34151D	SO-8	High Speed Dual inverting MOSFET Driver	1,5A	1.50	1.20
50357 ^P	MC34152D	SO-8	High Speed Dual noninverting MOSFET Driver	1,5A	1.10	0.95
70318 ^{*P}	MIC4426BM	SO-8	Dual 1,5A-Peak Low-Side MOSFET Driver	1,5A	1.40	1.00
90616 ^{*P}	NE587N	DIL-18	7-segment common anode LED	50mA	6.95	6.40
90617 [*]	NE589N	DIL-18	7-segment common cathode LED	50mA	6.95	6.40
90614 [*]	NE5090N	DIL-16	Addressable Relay Driver	150mA	6.90	6.00
F0108 ^P	SAA1064T	SO-24W	4-digit LED-driver with I2C-Bus interface		5.50	4.90
	UDN2981A		voir TD62783AP			
F0043 ^P	UDN2982A	DIL-18	8-Channel Source Driver	500mA	2.50	2.20
50256 ^P	UDN2987LW	SO-20W	8-Channel Source Driver	350mA	4.50	4.00
50229 ^P	ULN2001A	DIL-16	7-Channel Darlington Transistor Arrays,TTL-PMOS-CMOS	500mA	0.75	0.55
50230	ULN2002A	DIL-16	7-Channel Darlington Transistor Arrays,14-25V/PMOS	500mA	0.80	0.70
50231	ULN2003A	DIL-16	7-Channel Darlington Transistor Arrays,5V/TTL-CMOS	500mA	0.50	0.45
70413	ULN2003AD	SO-16	7-Channel Darlington Transistor Arrays,5V/TTL-CMOS	500mA	0.50	0.40
50232	ULN2004A	DIL-16	7-Channel Darlington Transistor Arrays,6-15V/CMOS-PMOS	500mA	0.75	0.60
50234	ULN2004AD	SO-16	7-Channel Darlington Transistor Arrays,6-15V/CMOS-PMOS	500mA	0.40	0.30
	ULN2064B		voir TD62064AP			
50240 ^P	ULN2802A	DIL-18	8-Channel Darlington Transistor Arrays,14-25V/PMOS	500mA	1.70	1.50
50241	ULN2803A	DIL-18	8-Channel Darlington Transistor Arrays,5V/TTL-CMOS	500mA	0.80	0.60
50242	ULN2803LW	SO-18	8-Channel Darlington Transistor Arrays,5V/TTL-CMOS	500mA	0.90	0.70
50233 ^P	TD62064AP	DIL-16	Quad Darlington Switch 1.5A/50V,5V/TTL-CMOS	1,5A	2.20	1.80
73003 ^{*P}	TD62503F	SOP-16	7-Channel NPN Transistor Array,5V/TTL-CMOS	200mA	2.80	2.50
50250 ^P	TD62783AP	DIL-18	8-Channel High-Voltage & Current Source, 5V/TTL-CMOS	500mA	8.10	8.10
70315 [*]	TD62784AF	SO-18W	8-Channel High-Voltage & Current Source, 6-15V/PMOS-CMOS	500mA	1.40	1.20
84141 ^P	TLE4242G	TO263-7-1	Adjustable LED Driver	500mA	4.50	4.10

REAL TIME CLOCK

N°d'art.	Type	Boîtier	Transfer		Prix 1...	25...
F0140 ^{*P}	DS1307T	SO-8	I2C	64x8Bit RAM	4.10	3.80
50500 ^P	PCF8563P	DIL-8	I2C	240x8Bit RAM	6.50	5.90

OPERATIONAL AMPLIFIERS "SMD"

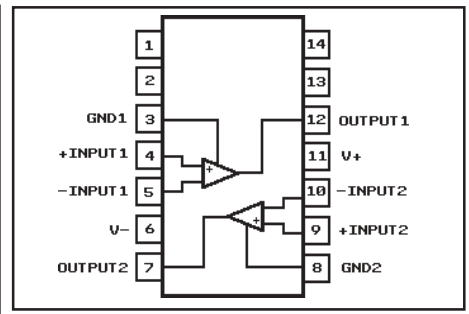
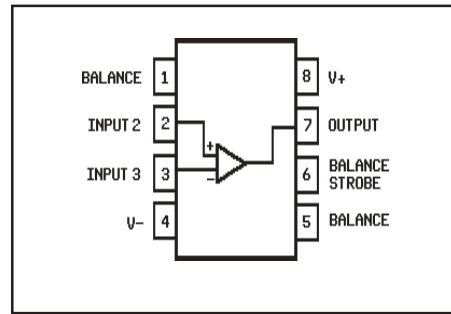
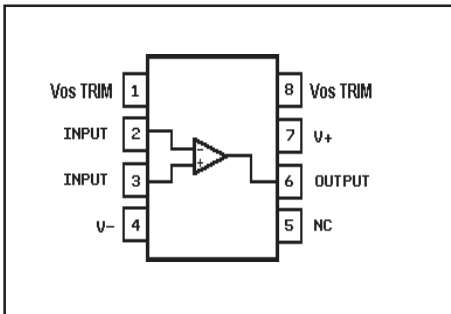
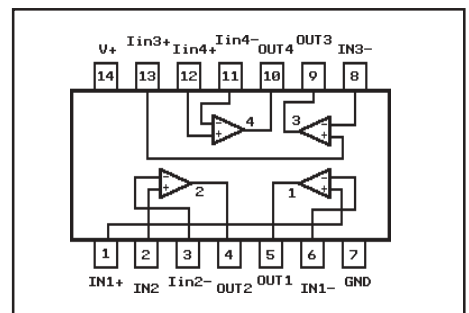
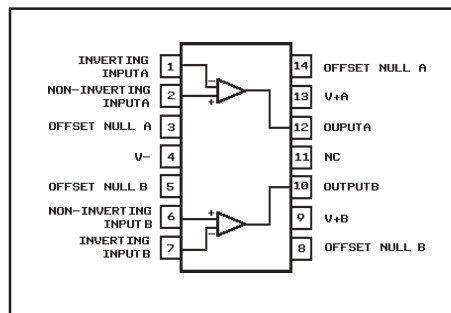
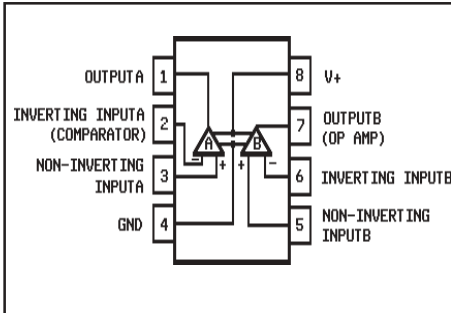
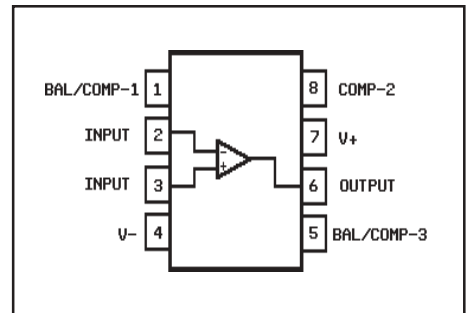
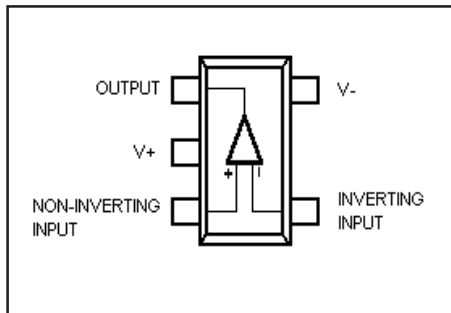
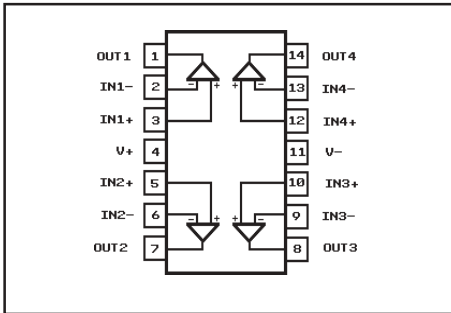
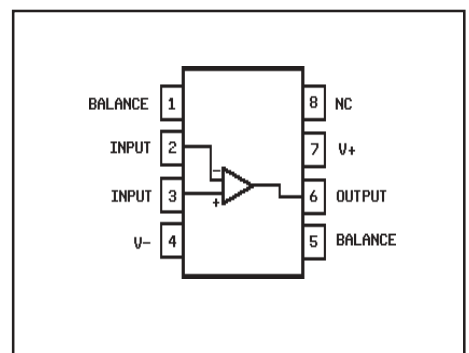
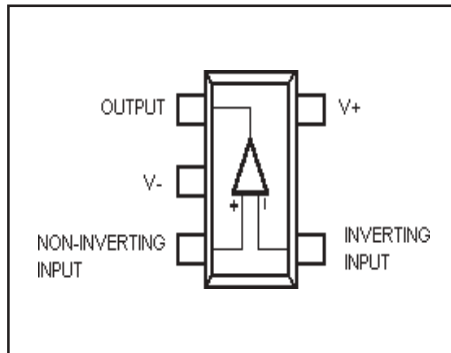
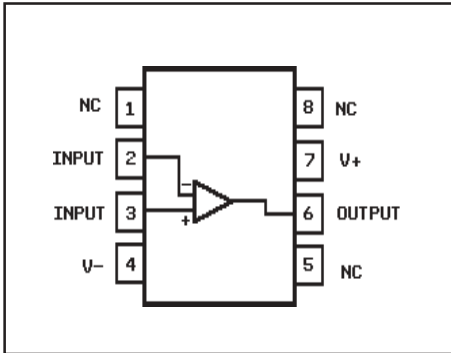
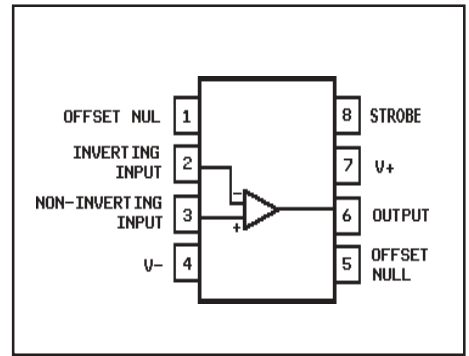
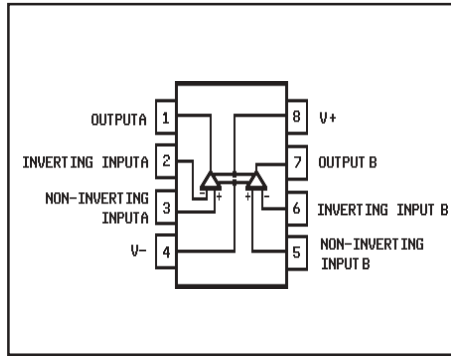
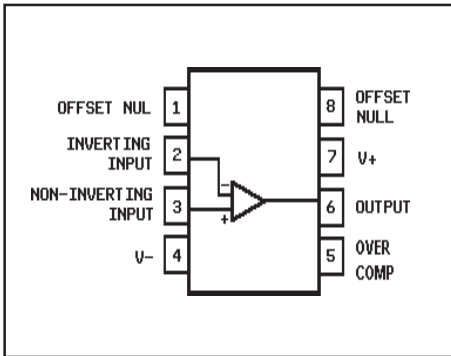
N°d'art.	Type	Boîtier	Vcc		Fig.	Prix 1...	25...
86047 ^P	AD623ARZ	SO-8	2.7...12/±2.5...±6			3.70	3.30
86046 ^P	AD706JR	SO-8	±2...±18			5.90	4.10
73011 ^{*P}	AD713JR	SO-16W	±4,5...±18	BiFET		7.80	7.40
94004 [*]	CLC404AJE	SO-8				18.00	18.00
94025	LM124D	SO-14	3...32			1.30	1.10
73030	LM224D	SO-14	3...32			0.40	0.30
94060	LM258AD	SO-8	±1,5...±16			0.40	0.30
70105 [*]	LM308M	SO-8				6.80	6.80
93699 ^P	LM321MF	SOT23-5	3...32/±1,5...±16			0.50	0.45
94024	LM324D	SO-14	3...32			0.30	0.20
31749	LM348D	SO-14	±5...±22			0.40	0.30
94059	LM358AD(M)	SO-8	±1,5...±16			0.30	0.20
94061 ^P	LM432MA	SO-8	2.5...16			1.20	0.90
94041	LM(UA)741CM	SO-8	±5...±18			0.30	0.25
31847	LM837M	SO-14	±3...±18			1.50	1.30
84125 ^P	LM6142AIM	SO-8	1,8...24			8.30	7.50
94071 [*]	LM7131ACM	SOT23-5				6.80	5.90
94073	LM7301IM	SO-8	1,8...32			2.50	2.00
94035 ^P	LMC6035IM	SO-8	2...15,5	CMos		1.60	1.40
94036 ^P	LMC6036IM	SO-14	2...15,5	CMos		2.80	2.50
70319	LMC6044IM	SO-14	4,5...15,5	CMos		2.80	2.50
31813 ^P	LMC6482AIM	SO-8	3...15,5	CMos		2.45	2.10
74047 ^P	LMC7101AIM	SOT23-5	2,7...15	CMos		0.80	0.50
94072 ^P	LMH6642MF	SOT23-5	2,7...12,8			1.70	1.40
31687	LF347M	SO-14	±5...±18	JFET Input		1.90	1.50
94051	LF351D	SO-8	±5...±18	JFET Input		0.70	0.50
31691	LF353M	SO-8	±5...±18	JFET Input		0.40	0.30
F0067 ^P	LT1632CS8	SO-8	44V max			5.90	4.60
50021 ^P	LT1789CS8-1	SO-8	2,2...36V			7.30	6.50
F0099 [*]	MCP602I/SN	SO-8	2,7...5,5			1.00	0.80
70306 [*]	MCP604ESL	SO-14	2,7...5,5			1.00	0.80
90623 ^P	NE5534D	SO-8	±3...±15			0.70	0.50
70334 [*]	OP07CS	SO-8				1.20	1.00
F0027 ^P	OP279GS	SO-8	+4,5...+12			2.90	2.50
67023 ^P	OP400GS	SO-16W	±12...±20			14.70	13.20
67025 ^P	OP413FS	SO-16W	4...36V			14.10	13.00
50269 ^P	TL071CD	SO-8	±3,5...±18	JFET Input		0.50	0.40
50273	TL072CD	SO-8	±3,5...±18	JFET Input		0.20	0.17
50286	TL072ID	SO-8	±3,5...±18	JFET Input		0.50	0.30
50278	TL074CD	SO-14	±3,5...±18	JFET Input		0.40	0.30
50285	TL081CD	SO-8	±3,5...±18	JFET Input		0.30	0.20
94082	TL082CD	SO-8	±3,5...±18	JFET Input		0.40	0.30
94084	TL084CD	SO-14	±3,5...±18	JFET Input		0.50	0.40
50284	TLC272CD	SO-8	3...16	LinCMOS		1.00	0.80
70419 [*]	TLE2061ACD	SO-8	7...36	Excalibur		2.10	1.90
70324 ^P	TLE2142ID	SO-8	4...44	Excalibur		2.50	2.00
F0240 ^P	TS912ID	SO-8	2,7...16V	CMos		0.90	0.70
70312	TS914ID	SO-14	2,7...16V	CMos		1.50	1.30
74045 ^P	TS971IL	SOT23-5	2,7...10V			0.70	0.50

OPERATIONAL AMPLIFIERS "DIL "

N°d'art.	Type	Boîtier	Vcc			Fig.	Prix 1...	25...
86044*	AD705JN	DIL-8			Single,Picoampere Input Current	1	5.20	4.80
86058*	AD8013AN	DIL-14	+5...+13		Triple Video Amp.,Single Supply, Low Power		15.90	14.50
50057P	CA3130E	DIL-8	±2,5...±8	BiMOS	Single,Single or dual power supply	3	2.10	1.70
31801*P	CA3080N	DIL-8			Single,Transconductance Amplifier		2.50	2.00
31722	LM301AN	DIL-8	±3...±18		Single, General purpose	1	0.70	0.60
31738P	LM318N	DIL-8	±5...±20		Single, High Speed	9	1.90	1.50
31745P	LM324N	DIL-14	3...32V		Quad Low Power	7	0.30	0.20
31747	LM348N	DIL-14	±5...±22		Quad internally compensated	7	0.80	0.60
31714	LM358N	DIL-8	±1,5...±16		Dual,Single or dual power supply	2	0.40	0.35
31804	LM392N	DIL-8	3...32		Op. Amp + Comparator	10	1.90	1.40
31820P	LM741CN	DIL-8	±5...±18		Single, General purpose	6	0.40	0.30
31819*	LM741CH	TO-5	±5...±18		Single, General purpose	6	4.50	4.00
31842*	LM833N	DIL-8			Dual, Audio	2	1.20	0.80
31712	LM1458N	DIL-8	±3...±18		Dual, General purpose, Two "741"	2	0.60	0.50
31795	LM3900N	DIL-14	±2...±16		Quad, Single or dual power supply	12	1.50	1.20
31800*P	LM4250CN	DIL-8	±1...±18		Single, Programmable		2.70	2.40
31799*P	LM3080N	DIL-8	±2...±16		Single,Transconductance Amplifier		3.10	2.50
31710*	LM13700N	DIL-16	±2...±18		Dual,Transconductance Amplifier		1.80	1.50
31812P	LMC6482IN	DIL-8	3...15	CMos	Dual,Rail-To-Rail	2	2.60	2.40
31688P	LF351N	DIL-8	±5...±18	JFET Input	Single,Wide Bandwith	6	2.20	1.80
31690P	LF353N	DIL-8	±5...±18	JFET Input	Dual,Wide Bandwith	2	0.50	0.40
31694	LF411CN	DIL-8		JFET Input	Single,Low Offset, Low Drift	6	1.30	1.00
31696	LF412CN	DIL-8		JFET Input	Dual,Low Offset, Low Drift	2	1.50	1.20
31698*	LF441CN	DIL-8		JFET Input	Single,Low Power	6	3.20	2.80
31700	LF442CN	DIL-8		JFET Input	Dual ,Low Power	2	2.00	2.70
31702	LF444CN	DIL-14		JFET Input	Quad ,Low Power	7	2.10	1.90
31704*	LF13741N	DIL-8		JFET Input	Single	6	8.10	7.40
31846*	LP324N	DIL-14	3...32		Quad Micropower	7	1.20	1.10
90602*	NE531N	DIL-8			Single, High Slew Rate	9	4.50	4.20
67019	OP27GP	DIL-8	±15...±22		Single, Low Noise Precision	13	4.70	4.10
67020	OP37GP	DIL-8	±15...±22		Single, Low Noise Precision, High-Speed	13	4.10	3.70
67022P	OP400GP	DIL-14	±12...±20		Quad, Low Offset, Low Power	7	12.00	10.00
50271	TL051CP	DIL-8	±5...±30	JFET Input	Single,Enhanced-JFET,Low-Offset	6	1.70	1.40
50270P	TL054CN	DIL-14	±5...±30	JFET Input	Quad, Precision,Enhanced-JFET,Low-Offset	7	3.90	3.40
50268	TL071CP	DIL-8	±3,5...±18	JFET Input	Single, Low Noise	6	0.50	0.40
50272	TL072C	DIL-8	±3,5...±18	JFET Input	Dual, Low Noise	2	0.55	0.45
50274	TL074C	DIL-14	±3,5...±18	JFET Input	Quad,Low Noise	7	0.90	0.70
50275P	TL081C	DIL-8	±3,5...±18	JFET Input	Single	6	0.40	0.30
50281	TL082C	DIL-8	±3,5...±18	JFET Input	Dual	2	0.60	0.40
94085	TL084C	DIL-14	±3,5...±18	JFET Input	Quad	7	0.80	0.60
50277	TLC272C	DIL-8	3...16V	LinCMOS	Dual	2	1.00	0.80
F0117*	TLE2064	DIL-14	7...36	Excalibur	Quad Excalibur ,JFET Input		5.50	5.10

COMPARATORS

N°d'art.	Type	Boîtier	Vcc			Fig.	Prix 1...	25...
74075*	LM139D	SO-14	2...36V		Quad. Low Power		1.50	1.20
31728	LM311N	DIL-8	5...36V		Single	14	0.40	0.30
94011	LM311D	SO-8	5...36V		Single	14	0.35	0.25
31844*	LP311N	DIL-8	3...36V		Single, Low Power	14	1.40	1.20
31740	LM319N	DIL-14	5...36V		Dual, High Speed	15	0.40	0.50
31741P	LM319D	SO-14	5...36V		Dual, High Speed	15	0.80	0.60
31756	LM339N	DIL-14	2...36V		Quad. Low Power		0.40	0.30
31757	LM339AD	SO-14	2...36V		Quad. Low Power		0.40	0.30
31719	LM2901D	SO-14	2...36V/ ±1...±18V		Quad. Low Power		0.30	0.20
31848*	LP339N	DIL-14	2...36V		Quad, Ultra-Low Power		1.20	0.80
31850*	LP365N	DIL-16	4...36V		Quad, Micropower, Programmable		2.45	2.10
73021	LM293D	SO-8	2...36V		Dual, Low Power, Low Offset	2	0.45	0.35
31806	LM393AN	DIL-8	2...36V		Dual, Low Power, Low Offset	2	0.40	0.30
31807	LM393D	SO-8	2...36V		Dual, Low Power, Low Offset	2	0.40	0.30
94015	LMC7215IM	SO-8	2...8V	CMos	Single, Rail-To-Rail, Push-Pull Output	4	1.70	1.40
94016	LMC7225IM	SO-8	2...8V	CMos	Single, Rail-To-Rail, Open- Drain Output	4	1.70	1.40
73203*P	TC1039CECH	SOT-23A-6	1,8...5,5V		Single, internally biased 1.20V bandgap reference		1.00	0.80
F0194*	TLC393CP	DIL-8	3...16V		Dual, Micro-Power, LinCMOS™		1.40	1.00



POWER AMPLIFIERS

N°d'art.	Type	Boîtier	Vcc	I _{out} Max		Prix 1...	25...
31783 ^P	LM380N-8	DIL-8	10...22V	1,3A	Single, 2,5W	1.70	1.50
31973 ^P	LM386N-1	DIL-8	4...12V		Single, 325mW	0.90	0.70
94086	LM386M	SO-8	4...12V		Single, 325mW	0.80	0.60
31794 ^{*P}	LM390N	DIL-14	4...9V		Single, 1W Battery Operated	7.80	7.00
90620 [*]	TDA1011	SIL-9	3,6...20V		Single, 2 to 6W	3.90	3.40
90608 ^P	TDA1013A	SIL-9	10...40V	1,5A	Single, 4W with D.C. Volume Control	4.50	4.00
90607 ^{*P}	TDA1510	SIL-13	6...18V	4A	Dual, 24W BTL or 2x12W Stereo	8.00	7.00
90610 ^{*P}	TDA1520A	SIL--9	15...50V	4A	Single, 20W Hi-Fi	8.90	7.80
16600 ^{*P}	TDA2006V	TO220-5	6...15V	3A	Single, 12W	1.90	1.60

CURRENT SOURCE / VOLTAGE REFERENCE

N°d'art.	Type	Boîtier	V _{OUT}		Prix 1...	25...
73210 ^P	LM431BCM	SO-8	2,5-36V	Adjustable Precision Zenner Shunt Regulator	0.70	0.60
70310	TL431CD	SO-8	2,5-36V	Adjustable Precision Zenner Shunt Regulator	0.40	0.30
86043	AD580JH	TO-52	2,5V	High Precision 2.5V Reference	9.80	9.20
31974 [*]	LM329BZ	TO-92	6,9V	Precision Zener Reference	4.10	3.30
31896	LM236D-2.5	SO-8	2,5V	Voltage Reference Diode	1.90	1.50
31751 ^P	LM336Z-2.5	TO-92	2,5V	Voltage Reference Diode	0.35	0.30
31752 ^P	LM336Z-5.0	TO-92	5V	Voltage Reference Diode	0.50	0.40
31759	LM336M-5.0	SO-8	5V	Voltage Reference Diode	0.50	0.40
31894	LM285Z-2.5	TO-92	2,5V	Micropower Voltage reference Diode	1.10	0.80
31895 ^P	LM385Z-2.5	TO-92	2,5V	Micropower Voltage reference Diode	0.70	0.50
31753	LM385M3-2.5	SOT-23	2,5V	Micropower Voltage reference Diode	0.70	0.50
70400 ^{*P}	REF02-CN	DIL-8	5V	Precision Voltage Reference	2.10	2.10
90570	REF02-HP	DIL-8	5V	Precision Voltage Reference	3.50	3.10
90581	REF02AU	SO-8	5V	Precision Voltage Reference	4.70	3.40
70024 [*]	REF192GS	SO-8	2,5V	Low-Drop Voltage Reference	2.80	2.50

UNDERVOLTAGE SENSING CIRCUIT



N°d'art.	Type	Boîtier	V _{RESET}	V _{CC}		Prix 1...	25...
74053 ^P	ADM690AARN	SO-8	4,65V	5V	Microprocessor Supervisor	4.10	3.50
94065 ^P	LM809M3	SOT-23	4,63V	5V	Microprocessor Reset	0.70	0.50
F0076 ^{*P}	LTC1232CS8	SO-8	4,5-4,75V	5V	Supply Voltage Supervisor	2.90	2.50
F0198 ^{*P}	MIC1232M	SO-8	4,5-4,75V	5V	Supply Voltage Supervisor	2.10	1.90
74028 ^P	MC34064-P5	TO-92	4,61V	1...6,5V	Undervoltage Sensing Circuit	0.70	0.50
94064	MC34064-D5	SO-8	4,61V	1...6,5V	Undervoltage Sensing Circuit	0.50	0.40
73213 ^{*P}	SCI7700YTA	SOT-89	3,8-4,2V	1,5...10V	CMOS Voltage detector	1.00	0.80
73214 ^{*P}	SCI7701YMA	SOT-89	4,0-4,3V	1,5...10V	CMOS Voltage detector	1.00	0.80
50276	TL7705ACP	DIL-8	4,55V	3,5...18V	Supply Voltage Supervisor	0.90	0.70
86001	TL7705ACD	SO-8	4,55V	3,5...18V	Supply Voltage Supervisor	0.70	0.50
50280	TL7715ACP	DIL-8	13,5V	3,5...18V	Supply Voltage Supervisor	1.50	1.20
73037 ^{*P}	V6300RSP5B	SOT-23-5	4,67V	10V max	Microprocessor Reset	0.70	0.60
73212 ^{*P}	V6340RSP3B	SOT-23	4,4V		Microprocessor Reset	0.50	0.40

PWM

N°d'art.	Type	Boîtier		Prix 1...	25...
F0200 ^{*P}	LM3524DM	SO-16	Regulating Pulse-Width Modulator	2.30	2.00
70313 [*]	TL493CD	SO-16	Pulse-Width Modulation Control	3.50	3.10
50283 ^P	TL494CD	SO-16	Pulse-Width Modulation Control	0.60	0.50
50263 ^P	TL598CD	SO-16	Pulse-Width Modulation Control	2.50	2.10
50261 ^P	UC3845AD	SO-8	PWM Controller	1.70	1.40
50260 ^P	UCC38C45D	SO-8	BiCMOS Low-Power PWM Controller	3.10	2.70
F0126 ^P	UDN2916B	DIL-24	Dual Full-Bridge PWM Motor Driver	5.10	4.80

Hall-Effect Switch

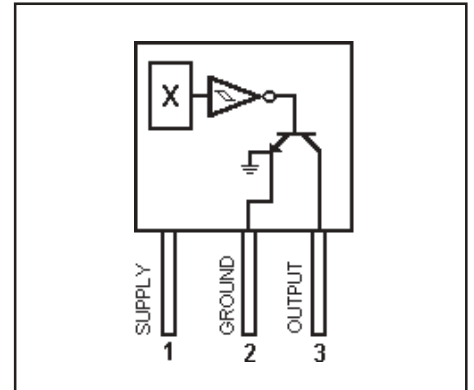
N°d'art.	Type		Prix 1...	25...
78207 *P	HAL501UA	TO-92UA	1.30	1.10
78193 *P	HW300B	TO-92UA/4	0.50	0.40
73215 *P	SS543AT	SOT-89	1.10	0.80

A1101 - A3142 Hall-Effect Switch

A magnetically operated zero-bounce electronic switch using the Hall effect to sens steady-state magnetic fields.

Supply voltage	A1101=3,8...24V / A3142=4,5V...24V
Output current	25mA max.
Rise and Fall time	0,04 / 0.18µs @ Vcc=12V, RL=820-Ohm
Magnetic flux density needed to turn on	1101=50/160G 3142=130/230 Gauss @25°C
Magnetic flux density needed to turn off	1101=10/130G 3142=75/175 Gauss @25°C
Hysteresis	55 Gauss (1 Gauss=0,1mWeber/m²=0,1MT)

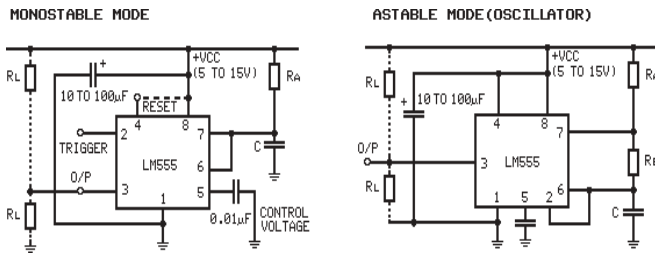
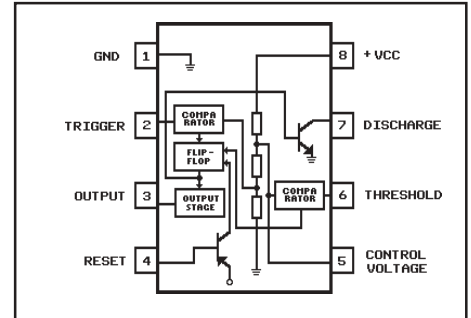
N°d'art.	Type		Prix 1...	25...
50015 P	A3142EU	TO-92	2.40	2.00
50016 P	A1101ELHLT	SMD / SOT-23W	1.70	1.50



LM(NE)(TS)555 / 555CN Timer

The LM555 is a highly stable device for generating accurate time delays or oscillation. Additional terminals are provided for triggering or resetting if desired. In the time delay (monostable) mode of operation the time is precisely controlled by one external resistor and one capacitor. For stable operation as an oscillator, the free running frequency and the duty cycle are both accurately controlled with two external resistors and one capacitor. The circuit may be triggered and reset on falling waveforms and the output structure can source or sink up to 200mA or drive TTL directly. In addition the output of the timer can be modulated by a signal applied to pin 5.

Supply decoupling must be provided close to the IC to counter the "crowbar" effect of the device's internal discharge switch, a suitable value is 10 to 100 μ F.

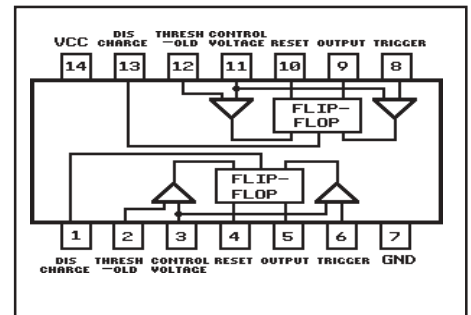


N°d'art.		Vcc	Prix 1...	25...
94055	NE555D / SMD-SO8	4,5...16V	0.35	0.28
94056	LM555CM / SMD-SO8	4,5...16V	0.60	0.50
31809	LMC555CM / SMD-SO8	1,5...15V	0.90	0.70
F0251*	TS3V555IN	2,7...16V	1.70	1.70
F0252*	TS3V555ID / SMD-SO8	2,7...16V	1.70	1.50

LM(NE)556CN Dual Timer

The LM556 Dual timing circuit is a highly stable controller capable of producing accurate time delays or oscillation. The 556 is a dual 555. Timing is provided by an external resistor and capacitor for each timing function. The two timers operate independently of each other sharing only Vcc and ground. The circuit may be triggered and reset on falling waveforms. The output structures may sink or source 200mA.

N°d'art.		Prix 1...	25...
31810	NE556CN	0.50	0.30
31811	NE556D / SMD-SO14	0.45	0.35

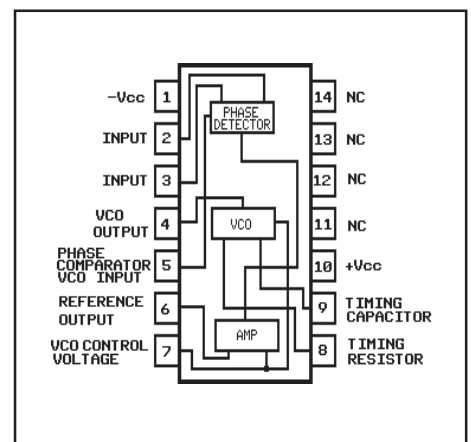


LM565 Phase Locked Loop

The LM565 is a general purpose phase locked loop containing a stable, highly linear voltage controlled oscillator for low distortion FM demodulation, and a double balanced phase detector with good carrier suppression. The VCO frequency is set with an external resistor and capacitor, and a tuning range of 10:1 can be obtained with the same capacitor. The characteristics of the closed loop system bandwidth, response speed, capture and pull in range may be adjusted over a wide range with an external resistor and capacitor. The loop may be broken between the VCO and the phase detector for insertion of a digital frequency divider to obtain frequency multiplication.

Features: Power supply range of \pm 5V to 12V. Input impedance 10K typ. VCO max. Frequency 500KHz 0.2% linearity of demodulated output. Linear triangle wave with in phase zero crossings available TTL and DTL compatible phase detector input and square wave output. Adjustable hold in range from \pm 1% to \pm 60%.

N°d'art.		Prix 1...	25...
31667*	LM565CN	3.20	2.80

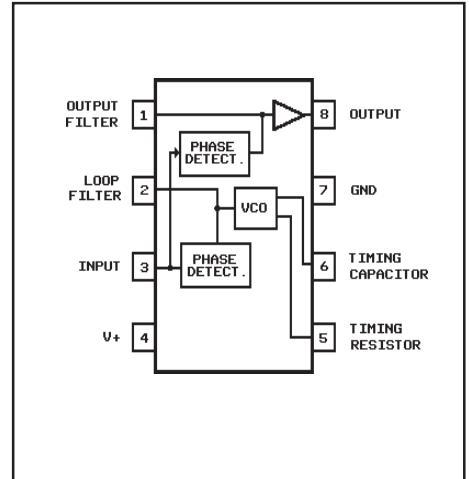


LM567CN Tone Decoder

The LM567 is a general purpose tone decoder designed to provide a saturated transistor switch to ground when an input signal is present within the passband. The circuit consists of an I and Q detector driven by an voltage controlled oscillator which determines the center frequency of the decoder. External components are used to independently set the center frequency, bandwidth and output delay. Features include: 20 to 1 frequency range with an external resistor; logic compatible output with 100mA current sinking capability; bandwidth adjustable from 0 to 14%; immunity to false signals; center frequency adjustable from 0,01Hz to 500kHz. Applications include: Touch tone decoding; precision oscillator; frequency monitoring and control, wide band FSK demodulation; ultrasonic controls, carrier current remote controls; communications paging decoders.

Characteristics

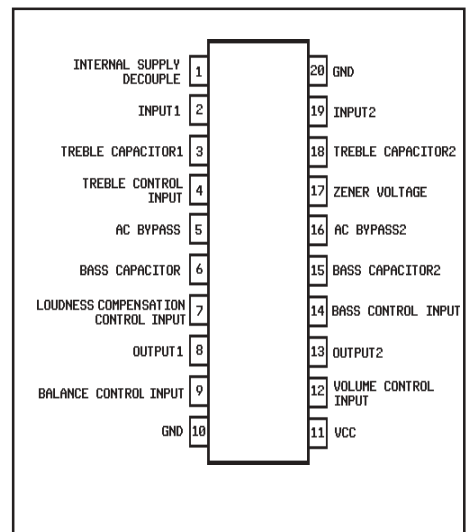
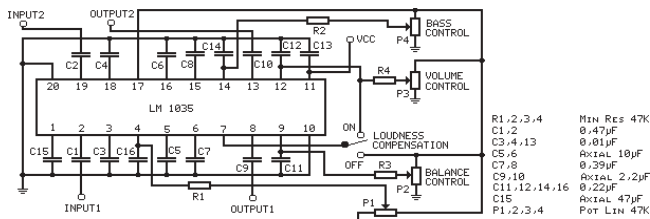
Supply voltage: 5V to 10V max
 Positive voltage at input: 0,5V above supply
 Negative voltage at input: -10V DC
 Output voltage: 15V DC
 Power supply current(RI 20K): 7mA (12mA activated)



N°d'art.		Prix 1...	25...
31814	LM567CN	1.80	1.50

LM1035N Dual DC Operated Tone/Volume/Balance Circuit

A stereo, DC controlled bass, treble, volume and balance circuit that can be operated by remote control or from four potentiometers which may be biased from a zener regulated supply provided on the chip. Each tone response is defined by a single capacitor chosen to give the desired characteristic. An additional control input is provided to effect loudness compensation. Wide supply voltage range: 8V to 18V. Input voltage :1V rms(Vcc=8V), 2V rms(Vcc=12V). Supply current: 35mA



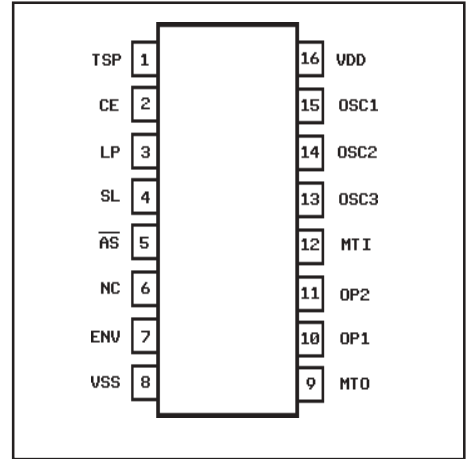
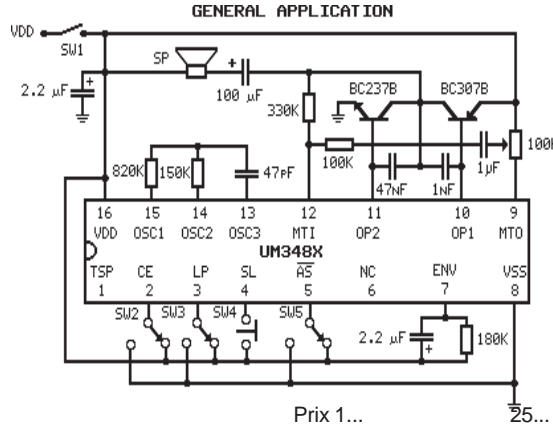
N°d'art.		Prix 1...	25...
31705	LM1035N	14.00	13.00

UM3484 Multi-Instrument Melody Generator

The UM348X series is a mask-ROM-programmed multi-instrument melody generator, implemented in CMOS technology. They are designed to play the melody according to the previously programmed information and capable of generating songs with 3 instrument sounds, the piano, the organ, and the mandolin. The device also include a pre-amplifier which provide simple interface to the driver circuit. The UM3484 is intended for applications such as clock/timers.

-Melodies:

Westminster Chime



Features:

- Operating voltage from 1.35V to 3V
- 512-note memory
- Play all the songs repeatedly or auto stop
- Play one song only, repeatedly or auto stop
- every song starts from the first note
- Any song can be present
- 3 timbres: piano, organ and mandolin
- On-chip envelop modulator and pre-amplifier

N°d'art.

Prix 1...

25...

27612

UM3484

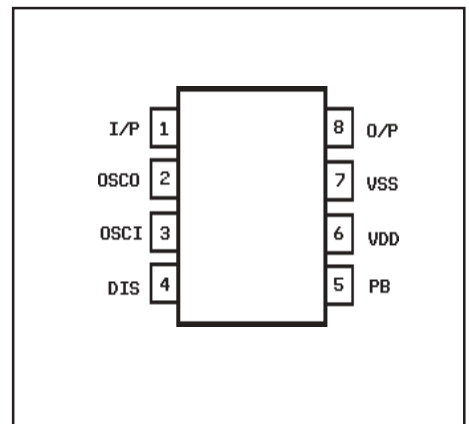
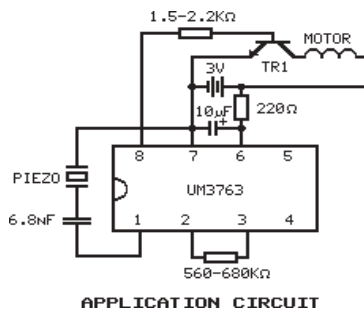
2.15

1.85

UM3763 Voice Control (Whistle)

The UM3611 is a CMOS LSI circuit which contains analog signal amplifiers and frequency detectors for generating output signal. It is designed for use in key tracers, detector for driving motor, etc.

Features: Operating voltage from 2,7V to 3,3V (5V max); Operating current 100µA; Standby current 50µA; RC oscillator with one external resistor; A motor can be driven by connecting an NPN transistor



N°d'art.

Prix 1...

25...

27628*

UM3763

1.55

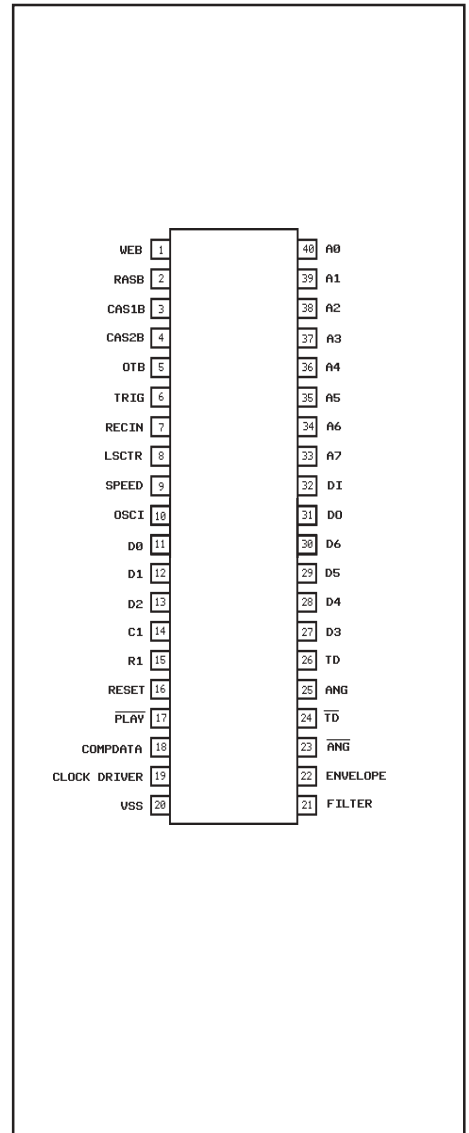
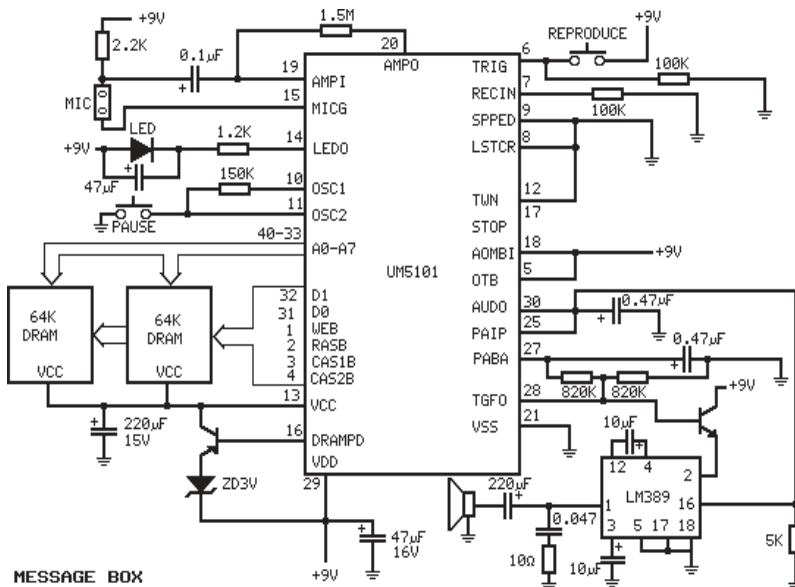
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UM5101 Voice Recording and Reproducing

The UM5101 is a ADM voice recording and reproducing IC. Voice data is stored in external DRAM which can be directly connected to the UM5101.

Features:

- DRAM is used as a voice data memory. One or two 64K DRAM can be selected by pin
- Bit rates can be selected by changing oscillator frequency and pin control (8k to 32k bps)
- Built-in voice recording mic-amplifier and voice reproducing power amplifier
- Built-in 8-bit D/A converter
- The RC oscillator makes sample rate changing feasible
- Talking back mode and manual control mode is selected
- Low stand-by current (2 μ A typical at 5V)
- Single power supply (9V max)



N°d'art.	Prix 1...	25...
27632	UM5101	7.75 7.05

UM3758-108A 8-Bit Tri-State Programmable Encoder/Decoder

Single-chip Encoder/Decoder selected by jump wire.

Wide operating voltage range: Vdd = 3V to 12 V.

Built-in RC oscillator (can use 5 % resistor).

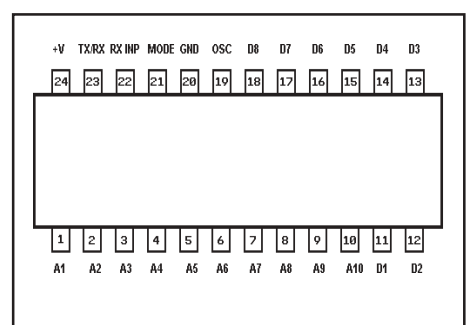
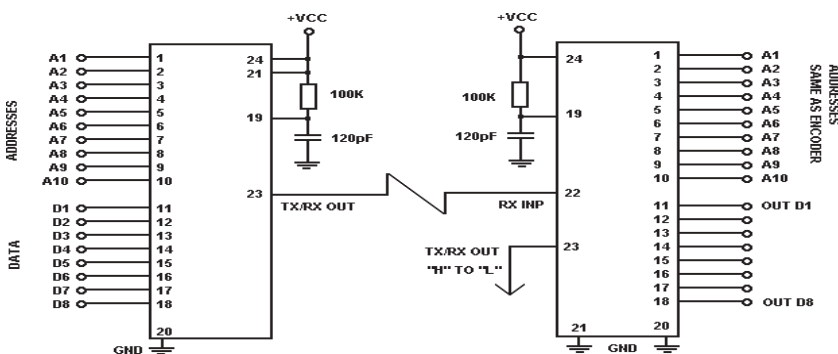
Easy interface with RF, Infrared and Ultrasonic transmission media.

10 Tri-state (0, 1, open) address codes = 59048 different codes.

8 bit Data (In mode Decoder with Latch Data).

In transmit mode, put pin 21 (MODE) «LOW» for stop transmit.

Operating frequency 160KHz typ.



N°d'art.	Prix 1...	25...
27635 ^P	UM3758-108 (600mil)	4.20 3.80

SINGLE GATE

4S584F=40106
74AHCT1G125D
74HC1GU04
NC7S04M=74x04
NC7S08M=74x08
NC7S14M=74x14
NC7S32M=74x32

NAND
Quad 2-Input

4011
7400
7403

Triple 3-Input

4023
7410

Dual 4-Input

4012
7420

8-Input

4048
4068
7430

13-Input

74133

AND
Quad 2-Input

4081
7408
7409
747001

Triple 3-Input

4073
7411

Dual 4-Input

4082
7421

NOR
Quad 2-Input

4001
7402

Dual 4-Input

4002
744002

Dual 5-Input

74260

Triple 3-Input

4000
4025
7427

8-Input

4078
744078

OR
Quad 2-Input

4071
7432

Triple 3-Input

4075
744075

Dual 4-Input

4072

COMPLEX
Quad Ex-OR

4030

4070

7486

74136

Quad Ex-NOR

4077

74266

4-Bit AND-OR

4019

4086

Dual AND-OR

7451

SCHMITT
TRIGGERS

4093

74132

7413

40106

4584=40106

4583

7414

HEX
BUFFERS
Inverting

4049

4069

4502

7404

7405

7406

74366

74368

744049

Non-Inverting

4010

4050

4503

7407

74365

74367

744050

QUAD
BUFFERS
3-State

74125

74126

True
Complement

4041

Bus
Transceivers

74242

74243

OCTAL
BUFFERS
Buffers and Line Drivers

74240

74241

74244

74540

74541

Bus Transceivers

74245

74640

74645

744245

DUAL
BUFFERS
Complementary Pair Plus Inverter

4007

Dual 2-Input
NAND

40107

FLIP FLOPS
Dual D-Type

4013

7474

Quad D-Type

40175

74175

Hex D-Type

40174

74174

Octal D-Type

74273

74374

74377

74564

74574

Dual J-K Type

4027

7473

7476

74107

74109

74112

LATCHES
AND
REGISTERS
Set-Reset
Latches

4043

4044

74279

Quad D-Type
Latches and
Register

4042

4076

74173

4-Bit Bistable
Latches

4508

7475

Octal D-Type
Latches

74373

74563

74564

74573

8-Bit Adressable
Latches

4099

74259

4x4 Registers

74170

SHIFT
REGISTERS
4-Bit

7495

74194

74195

5-BIT

7496

8-Bit

4014

4015

4021

4094

74164

74165

74166

74299

74595

744094

12-bit

74905

18-Bit

4006

COUNTERS/
DIVIDER
Decade (and :

12)

4017

4018

4510

4518

7490

7492

74160

74162

74190

74192

74196

74390

744017

4 -Bit Binary,
BCD, Octal

4022

4516

4520

4522

4526

7493

74161

74163

74169

74191

74193

74197

74393

74590

4-Bit Binary
Decade

4029

7-Stage and
Higher

4020

4024

4040

4060

40103

4521

744020

744024

744040

744060

3-Digit BCD

4553

4-Digit Mux

74C925

ENCODERS
8-Bit Priority

4532

10 -to-4 Line

74147

DECODERS
AND
DEMULTIPLEXERS
2-4

4555

4556

74139

74155

3 - 8

74137

74138

74237

74238

4- 10

4028

7442

74145

4 - 16

4514

4515

74154

744514

1 -16

744067

BCD to 7-
Segment

4056

4511

4543

7447

7448

744511

744543

MULTIPLEXERS
Quad 2-Line to
1-Line

74157

74158

74257

Dual 4-Line to
1-Line

74153

74352

Introduction

La famille **74HC**, réalisée en technologie microCMOS combine les caractéristiques d'entrée et d'alimentation de la CMOS, avec la vitesse et la capacité de sortie de la low-power Schottky (LS-TTL).

Pour de nouveaux développements, l'utilisation de la série 74HC est recommandée. Elle est compatible "pin-for-pin" avec les types équivalents des autres séries. Par exemple, un 74HC00 remplace un 7400 ou 74LS00, alors qu'un 74HC4016 remplace un 4016BE.

Dans le cas d'une connexion directe entre une sortie TTL et une entrée 74HC, il est recommandé de connecter une pull-up résistance minimum de 4k7 entre Vcc et la sortie TTL. Ceci diminuant les performances en haute fréquence, l'utilisation d'un 74HCT est préférable.

La famille **74HCT**, sous-ensemble de la série 74HC, dispose d'entrées compatibles TTL. Ces circuits effectuent une translation de niveau TTL-CMOS lorsque des portes TTL attaquent des fonctions logiques CMOS dans le système.

Par ailleurs, la très populaire famille **4000** offre un choix de fonctions logiques sans équivalent en TTL. Les types 4000B sont "buffered" alors que les 4000UB sont "unbuffered" et donc idéal pour des applications analogiques.

Manipulation

Bien que toutes les unités CMOS ont une diode de protection d'entrée, cette protection n'agit que pour une tension maximum de 4000V (800V pour un 4016, 4066 et 4416). La tension produite par le corps humain marchant sur un tapis en matière synthétique est d'environ 10'000V, il est donc facile dans ce cas, si aucune précautions n'est prise, de détruire une unité CMOS.

Tableau de comparaison des familles de circuits intégrés

	74AC	74HC	CMOS	TTL	LSTTL
Power dissipation per gate(mW) static at 100kHz	0.0000025	0.0000025	0.001	10	2
Propagation delay time(ns)	5	10	105	10	10
Maximum clock frequency(MHz)	120.	40	12	35	40
Speed power product(pJ) at 100kHz	0.6	1.2	11	100	20
Output drive min(mA)(V _o =0.4V) Standard outputs	24	4	1.6	16	8
High-current outputs		6	1.6	48	24
Fan-out(LS loads) Standard outputs	60	10	4	40	20
High-current outputs		15	4	120	60
Input current max(mA)(V _{in} =0.4V)	±0.001	±0.001	-0.001	-1.6	-0.4

Fan-out

Driving device	Nombre de CI pouvant être connectés					
	74	74LS	74S	CMOS	74HC(T)	74AC
74LS	5	20	4	illimité	illimité	illimité
74LS buffers	15	60	12	illimité	illimité	illimité
74	10	40	8	illimité	illimité	illimité
74 buffers	30	60	24	illimité	illimité	illimité
74AC	15	60	12	illimité	illimité	illimité
74HC(T)	2	10	2	illimité	illimité	illimité
74HC(T) buffers	4	15	4	illimité	illimité	illimité
CMOS(15V)	-	1	-	50	50	50

Généralement, connectez une capacité céramique de 0.01µF entre Vcc et GND aussi près que possible de chaque CI, et une capacité céramique de 0.1µF pour chaque 20^{ème} CI.

NOTE IMPORTANTE

Avec la plupart des circuits intégrés décrits dans le chapitre "semi-conducteurs", un schéma d'application, tiré des manuels fournis par les constructeurs, est inclus. Ces schémas ne sont que des références et doivent être utilisés en tant que telles.

Paramètres généraux (à 25°C)

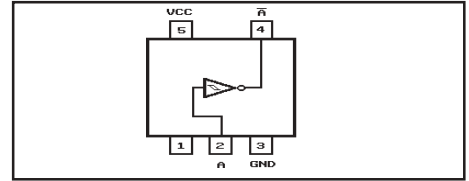
	74 Series			74LS Series			4000BE Series			@Vcc
	Min	Typical	Max	Min	Typical	Max	Min	Typical	Max	
Supply Voltage(Vcc)	4.75	5V	5.25V	4.75V	5V	5.25V	3V	3 to 15V	18V	
High level input voltage(V _{IH})	2V		5.5V	2V		5.5V	3.5V		5V	5V
							7V		10V	10V
							11V		15V	15V
Low level input voltage(V _{IL})	0V		0.8V	0V		0.8V	0V		1.5V	5V
							0V		3V	10V
							0V		4V	15V
High level input current(I _{IH})			40µA			20µA		10pA	0.3µA	15V
Low level input current(I _{IL})			-1.6mA			-0.4mA		10pA	0.3µA	15V
High level output voltage(V _{OIH})	2.4V	3.4V		2.7V	3.4V		4.95V			5V
							9.95V			10V
							14.95V			15V
Low level output voltage(V _{OL})		0.2V	0.4V		0.25V	0.5V			0.05V	
High level output current(I _{OIH})			-400µA			-400µA	-0.16mA		-1mA	5V
							-0.4mA	-2.6mA		10V
							-1.2mA	-2.6mA		15V
Low level output current(I _{OL})			16mA			8mA	0.44mA	1mA		5V
							1.1mA	2.6mA		10V
							3mA	6.8mA		15V
Output "off" current (3-state)(I _{OZ})			±40µA			±20µA			±1.6µA	15V
Propagation delay(7400/4011)(t _{PLH})		11ns	22ns		9ns	15ns		125ns	250ns	5V
								50ns	100ns	10V
								40ns	80ns	15V
Power dissipation quiescent (7400 / 4011) (P _D per gate)		10mW			2mW			0.6µW		
Clock frequency(counter)		35MHz			40MHz			5MHz		

	74HC Series				74HCT Series			74AC Series			
	Min	Typical	Max	@Vcc	Min	Typical	Max	Min	Typical	Max	@Vcc
Supply Voltage(Vcc)	2V	5V	6V		4.5V	5V	5.5V	2V	5V	6V	
High level input voltage(V _{IH})	1.5V		2V	2V	2V		5.5V	2.1V		3V	
	3.15V	4.5V	4.5V							3.15V	4.5V
	4.2V	6V	6V							3.85V	5.5V
Low level input voltage(V _{IL})	0V		0.3V	2V	0V		0.8V	0.9V		3V	
	0V		0.9V	4.5V						1.35V	4.5V
	0V		1.2V	6V						1.65V	5.5V
High level input current(I _{IH})		10pA	0.1µA	6V		10pA	0.1µA		10pA	1µA	5.5V
Low level input current(I _{IL})		10pA	0.1µA	6V		10pA	0.1µA		10pA	1µA	5.5V
High level output voltage(V _{OIH})	1.9V		2V		4.9V			2.9V			3V
	4.4V		4.5V					4.4V			4.5V
	5.9V		6V					5.4V			5.5V
Low level output voltage(V _{OL})			0.1V				0.1V			0.1V	
High level output current(I _{OIH})	-4mA		4.5V		-4mA			-4mA			3V
	-5.2mA		6V					-24mA			4.5V
								-24mA			5.5V
Low level output current(I _{OL})	4mA		4.5V		4mA			4mA			3V
								24mA			4.5V
								24mA			5.5V
Output "off" current (3-state)(I _{OZ})			±0.5µA	6V			±0.5µA			±0.1µA	5.5V
Propagation delay(7400/4011)(t _{PLH})		8ns	15ns	5V		10ns	15ns		5ns		5V
Power dissipation quiescent (7400 / 4011) (P _D per gate)		1µW				1 µW			1µW		
Clock frequency(counter)		40MHz							100MHz		

4S584F Single-Gate Schmitt-Trigger SMD

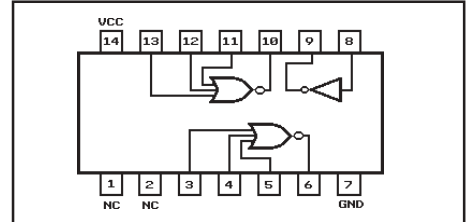
Single-Gate = 40106 or 4584

N°d'art.		Prix 1...	25...
92000	4S584F - SO	0.35	0.25



4000B Dual 3-Input NOR Gate Plus Inverter

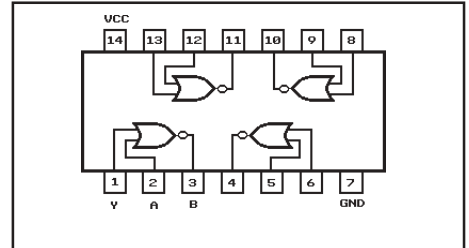
N°d'art.		Prix 1...	25...
16200	4000B	0.55	0.45



4001B / 4001UB Quad 2-Input NOR Gate

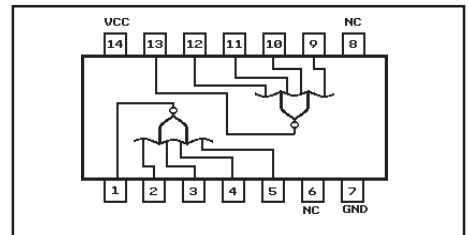
The 4001UB is the unbuffered version of the 4000B. It is therefore ideal for analogue applications.

N°d'art.		Prix 1...	25...
16202	4001UB	0.50	0.45



4002B Dual 4-Input NOR Gate

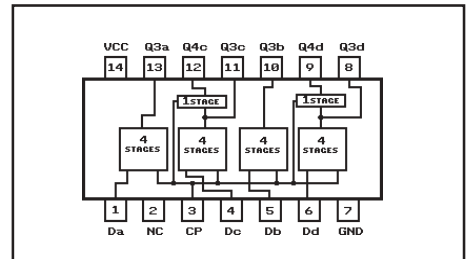
N°d'art.		Prix 1...	25...
31401	4002B	0.30	0.25



4006B 18-Stage Static Shift Register

The 4006B comprises four separated shift registers controlled by a common clock. Two sections have four stages and two sections have five stages with a additional output after the fourth stage. Thus is possible by selecting appropriate stages, to make shift registers of length 4,5,8,9,10,12,13,14,16,17 and 18 stages.

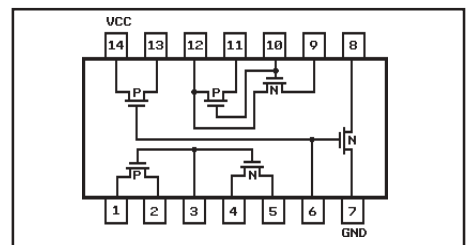
N°d'art.		Prix 1...	25...
31402	4006B	1.30	1.00



4007UB Dual Complementary Pair Plus Inverter

This versatile IC is useful in inverter circuits, pulse shapers, linear amplifiers, high input impedance amplifiers, threshold detectors, transmission gating and functional gating.

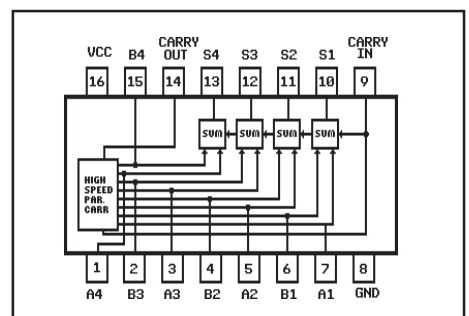
N°d'art.		Prix 1...	25...
31403	4007UB	0.50	0.40



4008B 4-Bit Full Adder

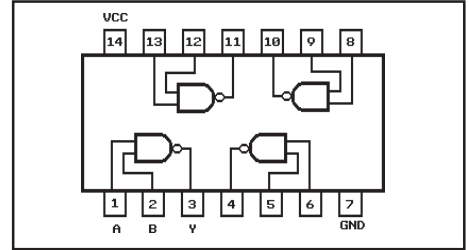
The 4008 will add together two four bit binary numbers and generate a carry if applicable. A fast internal look-ahead allows the carry to be generated very quickly keeping the total summing time relatively low even when large numbers of these devices are cascaded. To connect together, simply join the carry output of a stage handling less significant bits to the carry input of the next stage handling more significant bits. The carry input of the least significant device and where only one is in use, must be connected to logic 0.

N°d'art.		Prix 1...	25...
31404	4008B	1.00	0.80



4011B Quad 2-Input NAND Gate

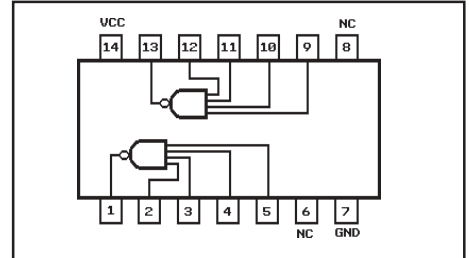
N°d'art.		Prix 1...	25...
92011	4011B / SMD	0.30	0.25



4012B Dual 4-Input NAND Gate

This CMOS logic element provides a two 4-input NAND function. The outputs are fully buffered for highest noise immunity and pattern insensitivity of output impedance.

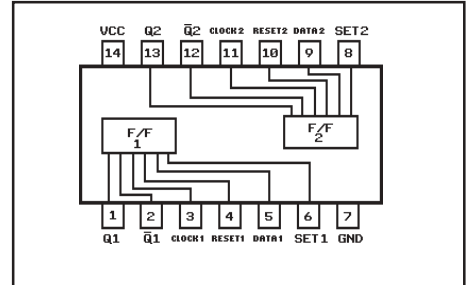
N°d'art.		Prix 1...	25...
31408	4012B	0.30	0.20
31398	4012B / SMD-SO14	0.30	0.25



4013B Dual D Flip-Flop

The 4013B is a CMOS Dual D Flip-Flop which is edge-triggered and features independent Set, Clear and Clock inputs. Data is accepted when The Clock is LOW and transferred to the output on the positive-going edge of the Clock. The active HIGH asynchronous Clear and Set are independent and override the D Clock inputs.

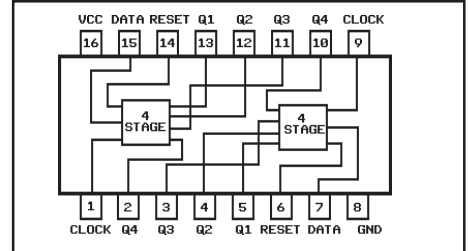
N°d'art.		Prix 1...	25...
31409	4013B	0.35	0.30
92013	4013B / SMD	0.35	0.30



4015B Dual 4-Bit Static Shift Register

The 4015B contains two identical, 4-stage, serial-input/parallel-output registers with independent Data, Clock, and Reset inputs. The logic level present at the input of each stage is transferred to the output of that stage at each positive-going clock transition. A logic high on the Reset input resets all four stages covered by that input.

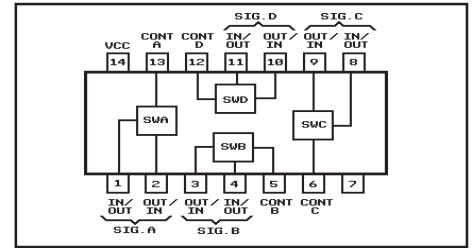
N°d'art.		Prix 1...	25...
31411	4015B	0.30	0.25



4016B Quad Bilateral Switch

The 4016B is a quad bilateral switch intended for the transmission or multiplexing of analog or digital signals. It is pin-for-pin compatible with the 4066B.

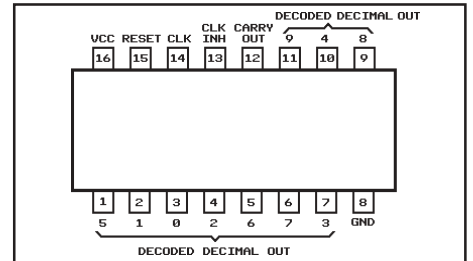
N°d'art.		Prix 1...	25...
31412	4016B	0.35	0.30



4017B Decade Counter/Divider with 10 Decoded Outputs

The 4017B is a 5-stage divide-by-10 Johnson counter with 10 decoded outputs and a carry out bit. This counter is cleared to its zero count by a logic "1" on its reset line. This counter is advanced on the positive edge of the clock signal when the clock enable signal is in the logical "0" state.

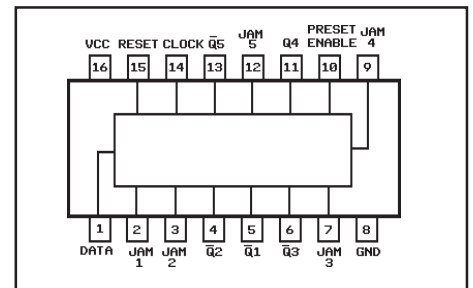
N°d'art.		Prix 1...	25...
31413	4017B	0.30	0.25
92017	4017B / SMD	0.55	0.45



4018B Presettable Divide-by-N Counter

The 4018B consists of 5 Johnson counter stages. A buffered Q output from each stage, "CLOCK", "RESET", "DATA", "PRESET ENABLE", and five individual "JAM" inputs are provided. The counter is advanced one count at the positive clock signal transition. A high "RESET" signal clears the counter to an "ALL ZERO" condition. A high "PRESET ENABLE" signal allows information on the "JAM" inputs to preset the counter. Anti-lock gating is provided to assure the proper counting sequence.

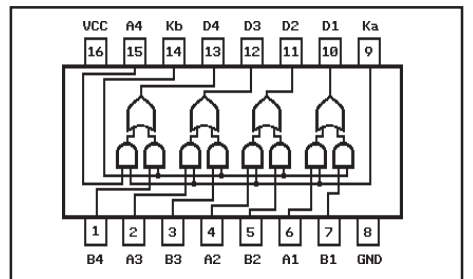
N°d'art.		Prix 1...	25...
31414	4018B	0.55	0.45
92018	4018B / SMD	0.55	0.50



4019B Quad AND-OR Select Gate

The 4019B provides four multiplexing circuits with common selection inputs; each circuit contains two inputs and one output. It may be used to select four bits of information from one or two sources. The A inputs are selected when Ka is HIGH, the B inputs when Kb is HIGH. When Ka and Kb are HIGH, outputs Dn is the logical OR of the Ka and Kb inputs ($D_n = A_n + B_n$). When Ka and Kb are LOW, outputs Dn is LOW independent of the multiplexer inputs.

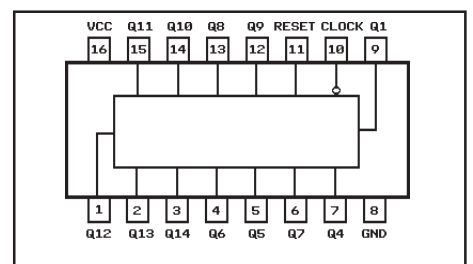
N°d'art.		Prix 1...	25...
31415	4019B	0.30	0.25



4020B 14-Stage Ripple Carry Binary Counter

The 4020B is a 14-stage ripple carry binary counter. The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock.

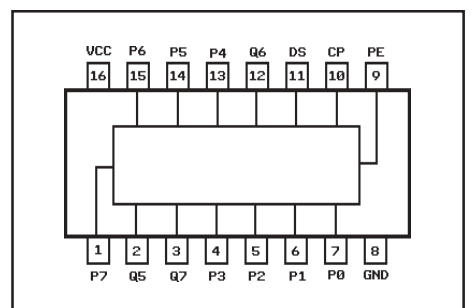
N°d'art.		Prix 1...	25...
92020	4020B / SMD	0.55	0.45



4021B 8-Bit Shift Register

Information on the Parallel Data Inputs (P0-P7) is asynchronously loaded into the register while the Parallel load Input (PL) is HIGH, independent of the clock (CP) and Serial Data (DS) inputs. Data present in the register is stored on the HIGH-to-LOW transition of the Parallel load Input (PL). When the Parallel Load Input is LOW, data on the Serial Data Input (DS) is Shifted into the first register position and all the data is in the register is shifted one position right on the LOW-to-HIGH transition of the Clock Input (CP). Outputs are available from the last three Stages (Q5-Q7).

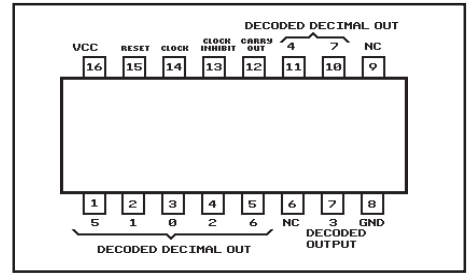
N°d'art.		Prix 1...	25...
31417	4021B	0.60	0.50



4022B 4-Stage Divide-by-8 Johnson Counter

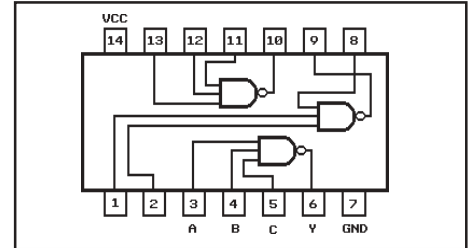
The 4022B is a 4-stage divide-by-8 Johnson counter with 8 decoded outputs and a carry out bit. This counter is cleared to its zero count by a logic "1" on its reset line. This counter is advanced on the positive edge of the clock signal when the clock enable signal is in the logical "0" state.

N°d'art.		Prix 1...	25...
31418	4022B	0.50	0.40



4023B Triple 3-Input NAND Gate

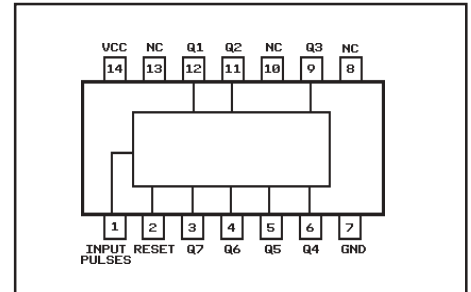
N°d'art.		Prix 1...	25...
31419	4023B	0.30	0.25
92023	4023B / SMD	0.30	0.25



4024B 7-Stage Ripple Carry Binary Counter

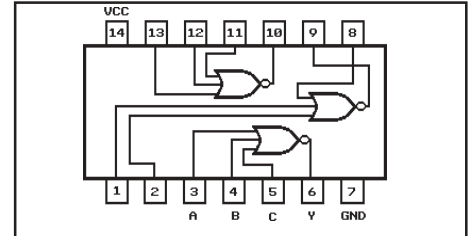
The 4024B is a 7-stage ripple carry binary counter. Buffered outputs are externally available from stage 1 through 7. The counter is reset to its logical "0" stage by a logical "1" on the reset input. The counter is advanced one count on the negative transition of each clock pulse.

N°d'art.		Prix 1...	25...
31420	4024B	0.30	0.25
31397	4024B / SMD-SO14	0.30	0.25



4025B Triple 3-Input NOR Gate

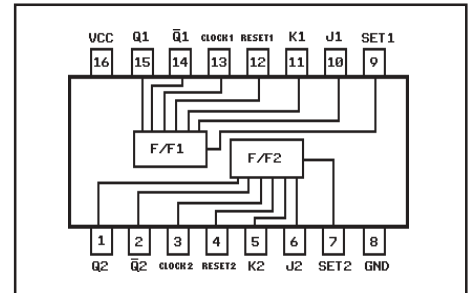
N°d'art.		Prix 1...	25...
31421	4025B	0.30	0.25



4027B Dual J-K Flip-Flop with Set and Reset

The 4027B is a Dual JK Flip-Flop which is edge-triggered and features independent Set, Clear, and Clock inputs. Data is accepted when the Clock is LOW and transferred to the output on the positive-going edge of the Clock. The active HIGH asynchronous Clear and Set are independent and override the J, K, or Clock inputs.

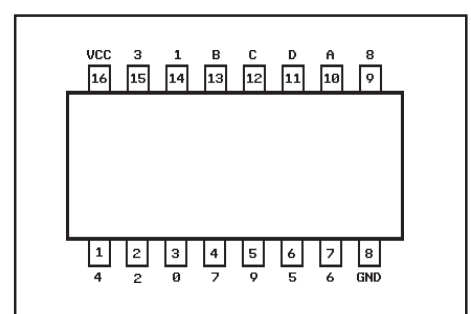
N°d'art.		Prix 1...	25...
92027	4027 / SMD	0.40	0.35



4028B BCD-to-Decimal Decoder

The 4028B is a BCD-to-decimal or binary-to-octal decoder consisting of 4 inputs, decoding logic gates, and 10 output buffers. A BCD code applied to the 4 inputs, A, B, C, and D results in a high level at the selected 1-of-10 decimal decoded outputs. Similarly, a 3-bit binary code applied to inputs A, B, and C is decoded in octal at outputs 0-7. A high level signal at the D input inhibits octal decoding and causes outputs 0-7 to go low.

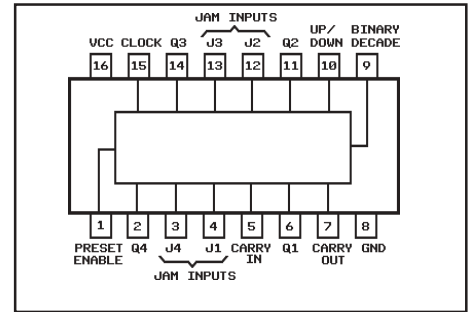
N°d'art.		Prix 1...	25...
31423	4028B	0.40	0.30
92028	4028 / SMD	0.50	0.35



4029B Presetable Binary/Decade Up/Down Counter

The 4029B is a presetable up/down counter which counts in either binary or decade mode depending on the voltage level applied at binary/decade input. When binary/decade is at logical "1", the counter counts in binary, otherwise it counts in decade. Similarly, the counter counts up when the up/down input is at logical "1" and vice versa.

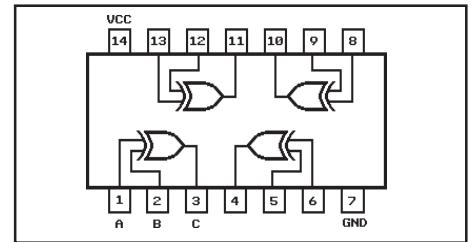
N°d'art.		Prix 1...	25...
31424	4029B	0.30	0.25



4030B Quad EXCLUSIVE-OR Gate

The 4030B CMOS logic element provides the Exclusive-OR function. The outputs are fully buffered for best performance. The 4030B is a direct replacement for the 74C86/54C86 and the 14507.

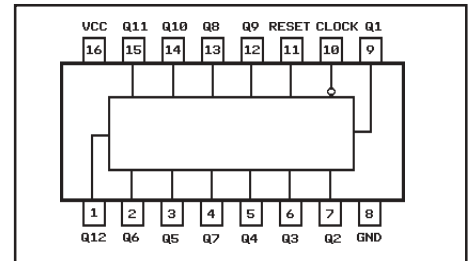
N°d'art.		Prix 1...	25...
31425	4030B	0.45	0.35
31502	4030B / SMD-SO14	0.30	0.20



4040B 12-Stage Binary Counter

The 4040B is a 12-stage ripple carry binary counter. The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock.

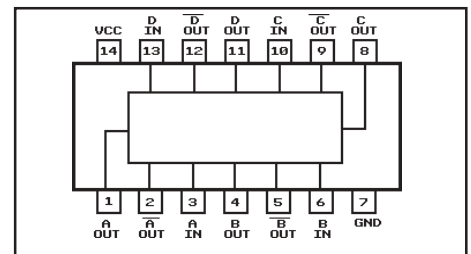
N°d'art.		Prix 1...	25...
31427	4040B	0.40	0.30
92040	4040B / SMD	0.55	0.45



4041UB Quad True/Complement Buffer

This device is a Quad True/Complement buffer which provides both an inverted active LOW Output and a non-inverted active HIGH Output for each Input. It is intended for use as buffer, line driver, or CMOS-to-TTL driver.

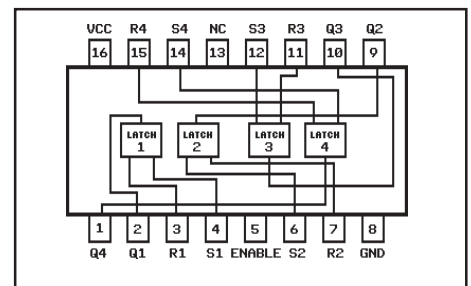
N°d'art.		Prix 1...	25...
31428	4041UB	1.80	1.50



4043B Quad TRI-STATE NOR R/S Latches

The 4043B is a quad R/S Tri-State CMOS NOR latches with a common Output Enable. Each latch has a separate Q output and individual SET and RESET inputs. There is a common Tri-State Enable input for all four latches. A logic "1" on the enable input connects the latch states to the Q outputs. A logic "0" on the enable input disconnects the latch states from the Q outputs resulting in an open circuit condition on the Q output. The Tri-State feature allows common bussing of the outputs.

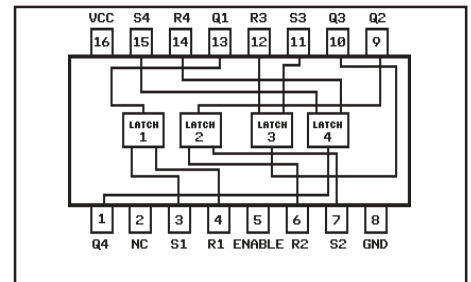
N°d'art.		Prix 1...	25...
31430	4043B	0.45	0.40



4044B Quad TRI-STATE NAND R/S Latches

The 4044B is a quad R/S Tri-State CMOS NAND latches with a common Enable Input. Each latch has a separate Q output and individual SET and RESET inputs. There is a common Tri-State Enable input for all four latches. A logic "1" on the enable input connects the latch states to the Q outputs. A logic "0" on the enable input disconnects the latch states from the Q outputs resulting in an open circuit condition on the Q output. The Tri-State feature allows common bussing of the outputs.

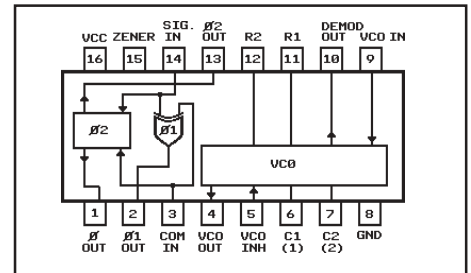
N°d'art.		Prix 1...	25...
31431	4044B	0.40	0.35



4046B Micropower Phase-Locked Loop

The 4046B micropower phase-locked loop (PLL) consists of a low power, linear, voltage-controlled oscillator (VCO), a source follower, a zener diode, and two phase comparators. The two phase comparators have a common signal input and a common comparator input. The signal input can be directly coupled for a large voltage signal, or capacitively coupled to the self-biasing amplifier at the signal input for a small voltage signal.

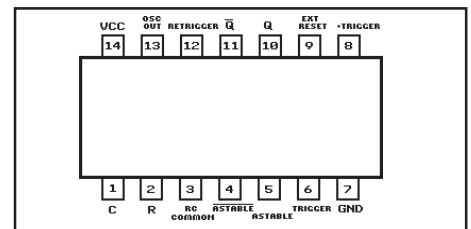
N°d'art.		Prix 1...	25...
31433	4046B	0.60	0.50
31432	4046B / SMD-SO16	0.40	0.30



4047B Low Power Monostable/Astable Multivibrator

The 4047B is capable of operating in either the monostable or astable mode. It requires an external capacitor (between pins 1 and 3) and an external resistor (between pins 2 and 3) to determine the output pulse width in the monostable mode, and the output frequency in the astable mode.

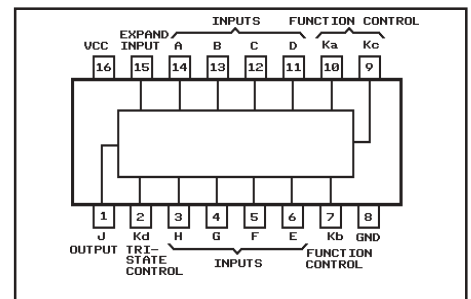
N°d'art.		Prix 1...	25...
31434	4047B	0.55	0.45
92047	4047B / SMD	0.55	0.45



4048B TRI-STATE Expandable 8-Function 8-Input Gate

The 4048B is a programmable 8-input gate. Three binary control lines Ka, Kb and Kc determine the 8 different logic functions. These functions are OR, NOR, AND, NAND, OR/AND, OR/NAND, AND/OR and AND/NOR. A fourth input, Kd, is a TRI-STATE control. When Kd is high, the output is enabled; when Kd is low, the output is in a high impedance. The Expend input permits the user to increase the number of gate inputs. For example, two 4048B can be cascaded into a 16-input multifunction gate. When the Expend input is not used, it should be connected to GND.

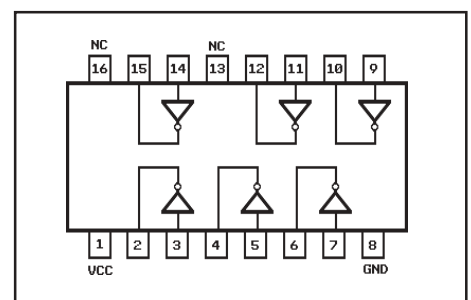
N°d'art.		Prix 1...	25...
31435	4048B	0.50	0.40



4049(U)B Hex Inverting Buffer

This CMOS buffer provides high current output capability suitable for driving TTL or high capacitance loads. Since voltages in excess of the buffers supply voltage are permitted, these buffers may also be used to convert logic levels of up to 15V to standard TTL levels. The 4049B provides six inverting buffers. The guaranteed fan-out into common bipolar logic elements is: 2 standard TTL/DTL.

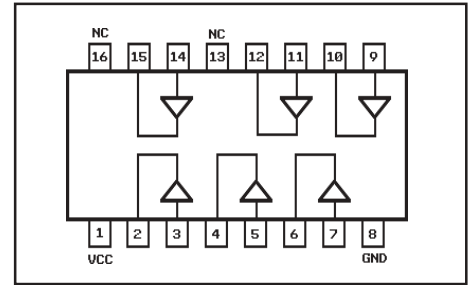
N°d'art.		Prix 1...	25...
16212	4049UB	0.40	0.35
16213	4049B	0.40	0.30
92049	4049B / SMD	0.40	0.30
16220	4049UB / SMD	0.40	0.30



4050B Hex Non-Inverting Buffer

This CMOS buffer provides high current output capability suitable for driving TTL or high capacitance loads. Since voltages in excess of the buffers supply voltage are permitted, these buffers may also be used to convert logic levels of up to 15V to standard TTL levels. The 4050B provides six non-inverting buffers. The guaranteed fan-out into common bipolar logic elements is: 2 standard TTL/DTL, 9 74LS, and 16 74L.

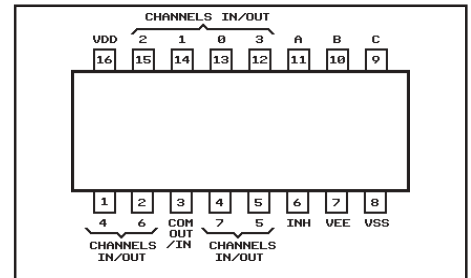
N°d'art.		Prix 1...	25...
16214	4050B	0.30	0.20



4051B Single 8-Chan. Analog Multiplexer/Demultiplexer

A bi-directional 8-way switch where any one of 8 signals will be connected to a common pin depending on the code on the three control pins. No switch is made if the inhibit pin is high. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V.

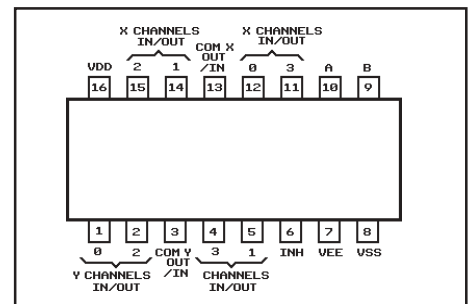
N°d'art.		Prix 1...	25...
31437	4051B / DIL16	0.30	0.25
92051	4051B / SMD-SO-16	0.50	0.40



4052B Dual 4-Channel Analog Multiplexer/Demultiplexer

Two separated bi-directional 4-way switches where any one of 4 signals will be connected to a common pin depending on the code on the two control pins. No switch is made if the inhibit pin is high. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V.

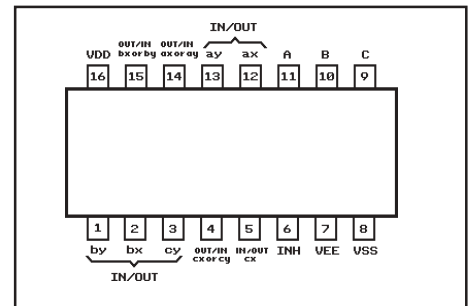
N°d'art.		Prix 1...	25...
31438	4052B	0.30	0.25



4053B Triple 2-Channel Analog Multiplexer/Demultiplexer

The 4053B is a triple 2-channel bi-directional multiplexer having three separate digital control inputs, A, B, C, and an inhibit input. Each control input selects one of pair of channels which are connected in a single-pole double-throw configuration. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V.

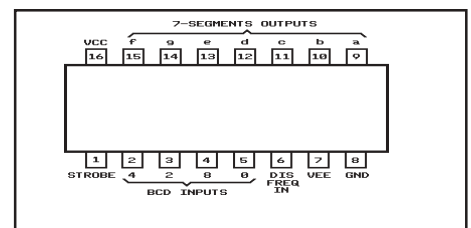
N°d'art.		Prix 1...	25...
31439	4053B	0.30	0.25
73031	4053B / SMD-SO16	0.30	0.20



4056B BCD to 7-Segment Decoder LCD

The 4056B is designed for driving liquid crystal displays. It has "strobe", "latch enable" and "latch disable" which freezes the display regardless of changes on the input. Illegal inputs are as follow : 10 = "L", 11 = "H", 12 = "P", 13 = "A", 14 = "." and 15 = blank.

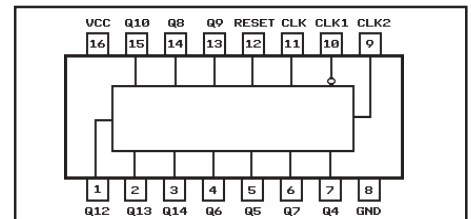
N°d'art.		Prix 1...	25...
16215	4056B	0.60	0.50



4060B 14-Stage Ripple Carry Binary Counters

The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock. Stages 1,2,3 and 11 are not available, but an internal oscillator is included.

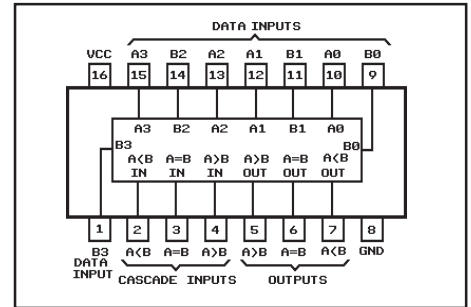
N°d'art.		Prix 1...	25...
31440	4060B	0.40	0.30
31441	4060B / SMD-SO16	0.40	0.30



4063B 4-Bit Magnitude Comparator

This IC determines whether the binary code on the four 'A' inputs is greater than, equal to, or smaller than the binary code on the four 'B' inputs. A separate output is available for each possible condition. Words of greater length may be compared by simply connecting the corresponding outputs on a stage handling less significant bits to the cascade inputs of the next stage handling more significant bits. The final output comes from the most significant comparator. On the least significant comparator and where only one comparator is in use, the A=B cascade input must be connected to logic 1 and the other two cascade inputs to logic 0.

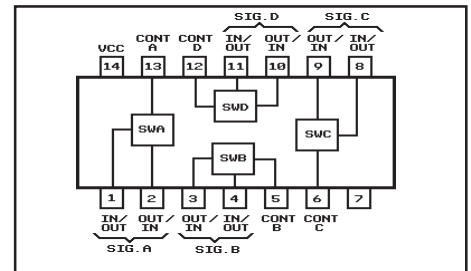
N°d'art.		Prix 1...	25...
16217	4063B	0.95	0.75



4066B Quad Bilateral Switch

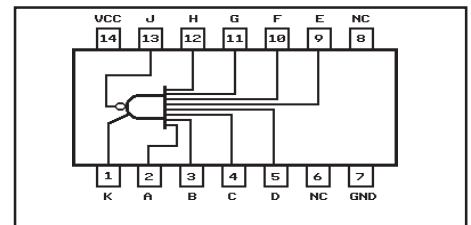
The 4066B is a quad bilateral switch intended for the transmission or multiplexing of analog or digital signals. It is pin-for-pin compatible with the 4016B, but has a much lower "ON" resistance, and "ON" resistance is relatively constant over the input-signal range.

N°d'art.		Prix 1...	25...
16218	4066B	0.35	0.30
92066	4066B / SMD	0.30	0.25



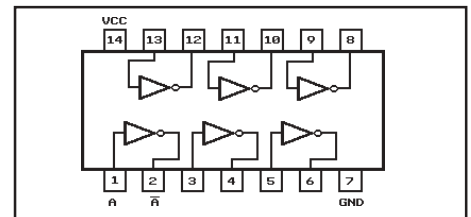
4068B 8-Input NAND Gate

N°d'art.		Prix 1...	25...
16219	4068B	0.40	0.35



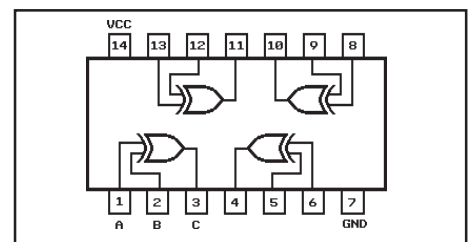
4069UB Hex Inverter

N°d'art.		Prix 1...	25...
31443	4069UB	0.35	0.30
92069	4069UB / SMD	0.35	0.30



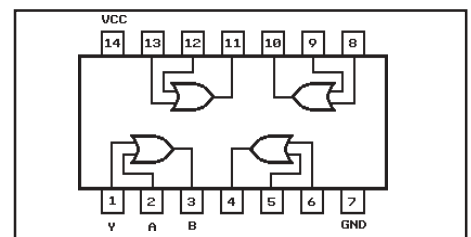
4070B QUAD Exclusive-OR

N°d'art.		Prix 1...	25...
31444	4070B	0.30	0.20



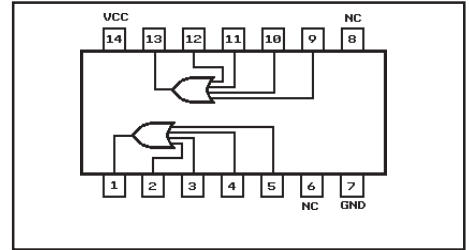
4071B Quad 2-Input OR Gate

N°d'art.		Prix 1...	25...
31445	4071B	0.30	0.25
31450	4071B / SMD-SO14	0.30	0.25

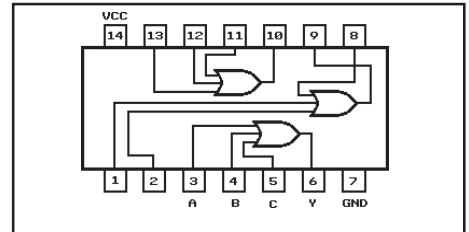


4072B Dual 4-Input OR Gate

N°d'art.	Prix 1...	25...
31446	4072B	0.30 0.25

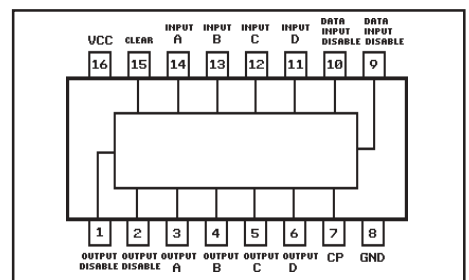

4075B Triple 3-Input OR Gate

N°d'art.	Prix 1...	25...
31448	4075B	0.40 0.35


4076B Quad D Flip-Flop with 3-State Outputs

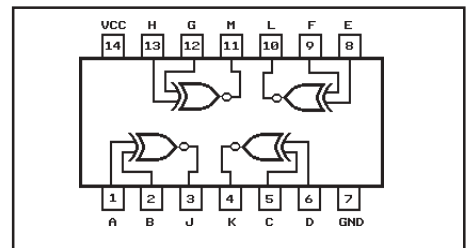
The 4076 contains four D-type positives-edge-triggered flip-flops with three states outputs. Gated enable inputs control, the entry of data into the flip-flops. When both pins 9 and 10 are low, data is loaded on the next positive clock transition. When pins 1 and 2 are both low, the outputs function normally, but either or both are high, the outputs present a high impedance. A reset, pin 15, is also provided.

N°d'art.	Prix 1...	25...
31449	4076B	0.40 0.30

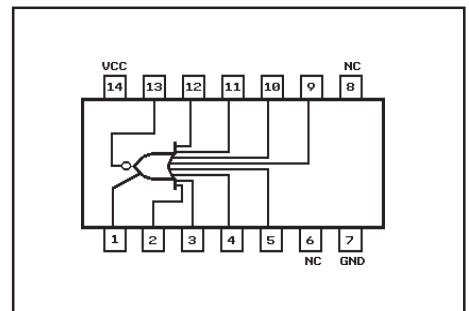

4077B Quad Exclusive-NOR Gate

The 4077B may be used interchangeably for the 4811.

N°d'art.	Prix 1...	25...
16221	4077B	0.30 0.25

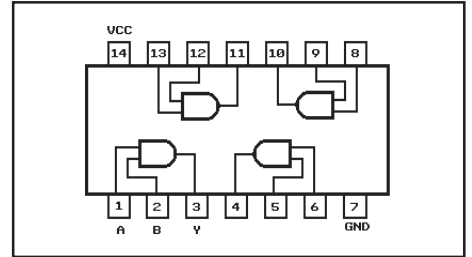

4078B 8-Input OR/NOR Gate

N°d'art.	Prix 1...	25...
16223	4078B	0.40 0.35



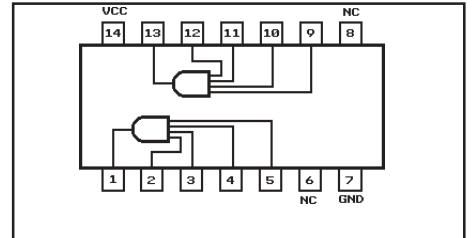
4081B Quad 2-Input AND Gate

N°d'art.		Prix 1...	25...
31452	4081B	0.30	0.25
31501	4081B / SMD-SO14	0.30	0.25



4082B Dual 4-Input AND Gate

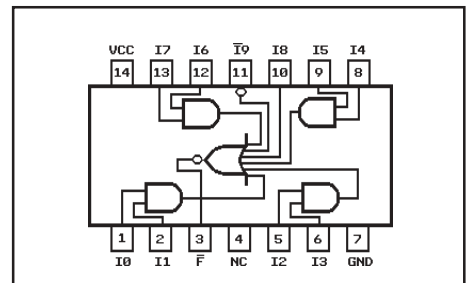
N°d'art.		Prix 1...	25...
31453	4082B	0.30	0.25



4086B 4-Wide 2-Input AND-OR-Invert Gate

The 4086B is a 4-Wide 2-Input AND-OR-Invert (AOI) Gate with two additional inputs (I8 and I9) which can be used as either expander inputs or inhibit inputs by connecting them to any standard CMOS output. A high on I8 or low on I9 forces the output F low independent of the other inputs (I0-I7). The output F is fully buffered for highest noise immunity and pattern insensitivity of output impedance.

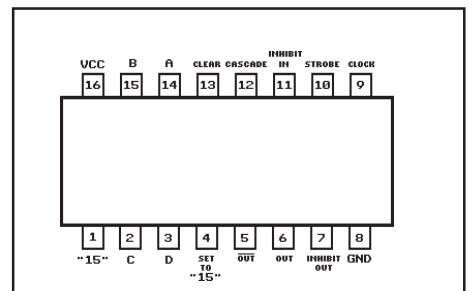
N°d'art.		Prix 1...	25...
15455	4086B	0.80	0.65



4089B Binary Rate Multiplier

The 4089B is a 4-bit binary rate multiplier that provides an output pulse rate which is the input clock pulse rate multiplied by 1/16 times the binary input number. For example, if 5 is the binary input number, there will be 5 output pulses for every 16 clock pulses. This device may be used to perform arithmetic operations including multiplication and division, A/D and D/A conversion and frequency division.

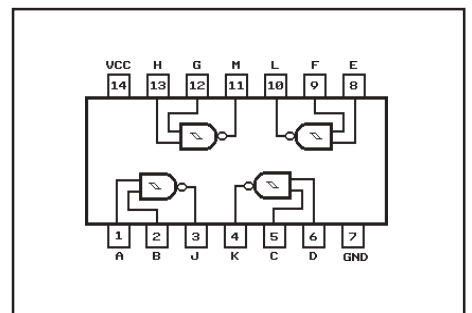
N°d'art.		Prix 1...	25...
31454	4089B	0.80	0.60



4093B Quad 2-Input NAND Schmitt Trigger

The 4093B consists of four Schmitt-trigger circuits. Each circuit functions as a 2-Input NAND gate with Schmitt-trigger action on both inputs. The gate switches at different points for positive and negative-going signals. The difference between the positive (V_{t+}) and the negative voltage (V_{t-}) is defined as hysteresis voltage (V_h). All outputs have equal source and sink currents and conform to standard B-series output drive.

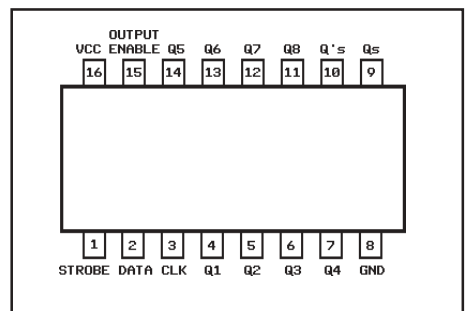
N°d'art.		Prix 1...	25...
31456	4093B	0.30	0.25
92093	4093B / SMD	0.35	0.30



4094B 8-Bit Shift Register/Latch with 3-State Outputs

The 4094B consists of an 8 bit shift register and a Tri-State 8-bit latch. Data is shifted serially through the shift register on the positive transition of the clock. The output of the last stage (Q_8) can be used to cascade several devices. Data on the Q_8 output is transferred to a second output, $Q_8's$, on the following negative clock edge. The output of each stage of the shift register feeds a latch, which latches data on the negative edge of the Strobe input. When Strobe is high, data propagates through the latch to Tri-State output gates. These gates are enable when Output Enable is taken high.

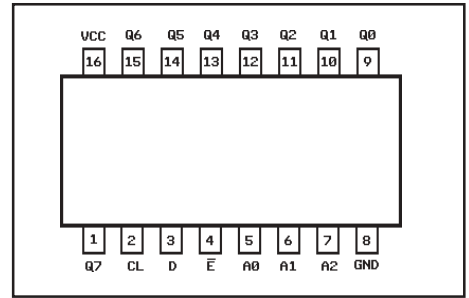
N°d'art.		Prix 1...	25...
31457	4094B	0.40	0.30



4099B 8-Bit Adressable Latch

This IC comprises eight latches any one of which may be selected by applying the appropriate address. The data is entered serially and the output is available as 8-bit parallel. A write enable and reset are available.

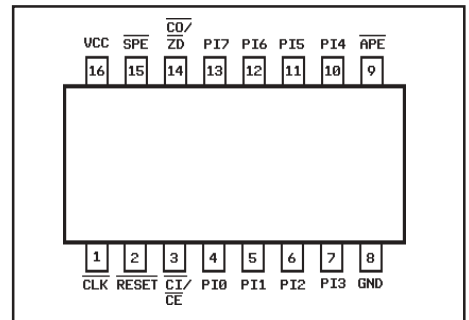
N°d'art.		Prix 1...	25...
31458	4099B	0.50	0.40



40103B 8-Stage Counter

The 40103 is a 8-stage presettable synchronous down counter. Output CO/ZD (pin 14) is placed in active mode at "L" level when the content of count becomes zero. With its 8-bit binary construction, the 40103, can set up to 255 counts. It has CI/CE inhibiting clock, APE asynchronous preset control input, SPE synchronous preset control input and RESET control input setting counter to maximum counting mode. Clock input, with schmitt function, can accept clock waveform with slow rise and fall edge.

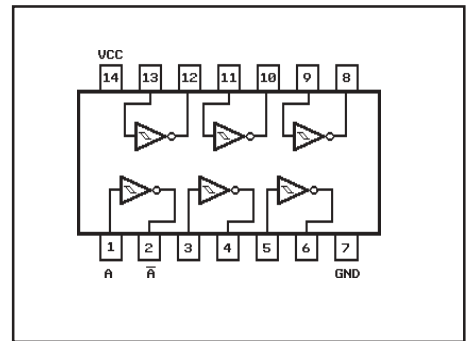
N°d'art.		Prix 1...	25...
16240	40103B	0.80	0.65



40106B Hex Schmitt Trigger

This device contains six independent gates each of which performs the logic INVERT function. Each input has hysteresis which increases the noise immunity and transforms a slowly changing input signal to a fast changing, jitter-free output. Single-Gate 40106/SMD -> 4S584F

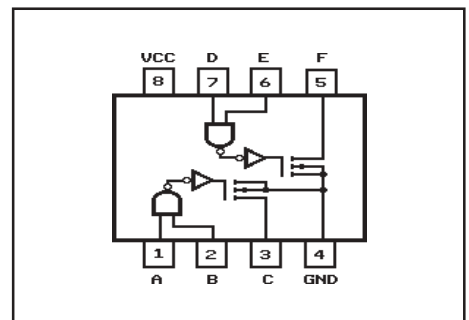
N°d'art.		Prix 1...	25...
31460	40106B	0.30	0.25
92106	40106B / SMD	0.30	0.25
92107	MC14584 / SMD	0.40	0.30



40107B Dual 2-Input NAND Buffer

A dual 2-input NAND buffer/driver containing two independent 2-input NAND buffers with open-drain single n-channel transistor outputs. Low level output current (max): 32mA (5V), 74mA (10V), 100mA (15V).

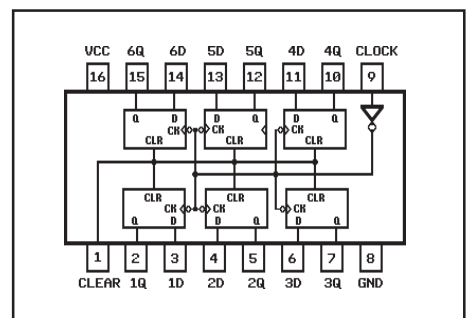
N°d'art.		Prix 1...	25...
16242	40107B	0.40	0.35



40174B Hex D-Type Flip-Flop

The 40174 consists of six positive-edge triggered D-type flip-flop; the true output from each flip-flop are externally available. All flip-flops are controlled by a common clock and a common clear. Information at the D-inputs meeting the set-up time requirements is transferred to the Q outputs on the positive-going edge of the clock pulse. The clearing operation, enabled by a negative pulse at Clear input, clears all Q outputs to logical "0".

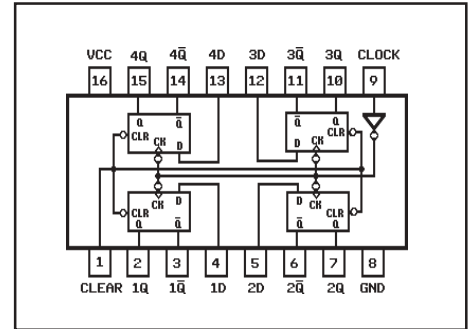
N°d'art.		Prix 1...	25...
31468	40174B	0.50	0.45



40175B Quad D-Type Flip-Flop

The 40175 consists of four positive-edge triggered D-type flip-flop; both the true and complement outputs from each flip-flop are externally available. All flip-flops are controlled by a common clock and a common clear. Information at the D-inputs meeting the set-up time requirements is transferred to the Q outputs on the positive-going edge of the clock pulse. The clearing operation, enabled by a negative pulse at Clear input, clears all Q outputs to logical "0" and Q's to logical "1".

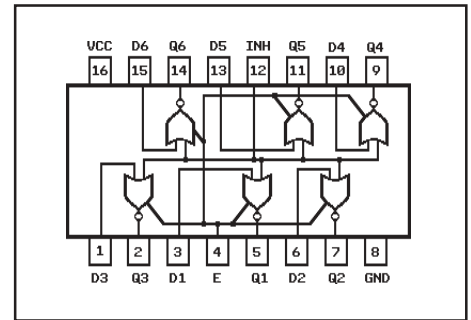
N°d'art.		Prix 1...	25...
31469	40175B	0.50	0.40



4502B Strobed Hex Inverter

The 4502B has a strobe facility and 3-state outputs (E).

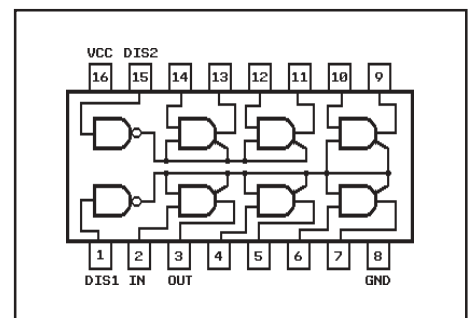
N°d'art.		Prix 1...	25...
91660	4502B	0.95	0.80



4503B Hex Non-Inverting TRI-STATE Buffer

The 4503B is a hex non-inverting TRI-STATE buffer with high output current sink and source capability. TRI-STATE outputs make it useful in bus-oriented applications. Two separate disable inputs are provided. Buffers 1 through 4 are controlled by the disable 4 input. Buffers 5 and 6 are controlled by the disable 2 input. A high level on either disable input will cause those gates on its control line to go into a high impedance state.

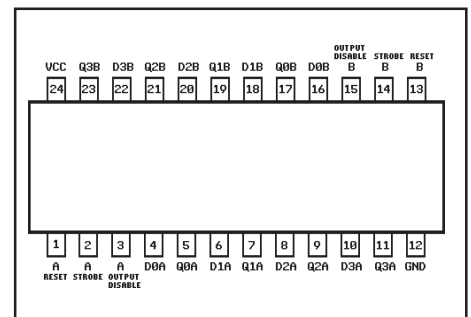
N°d'art.		Prix 1...	25...
31480	4503B	0.40	0.35



4508B Dual 4-Bit Latch

The 4508B comprises two 4-Bit bistable latches. The data on the inputs is transferred to the output when pins 2 or 14 are high. A low on these pins locks the data on the output. However a high on pins 1 or 13 forces the outputs low. The 3-state control disables the output when pins 3 or 15 are high.

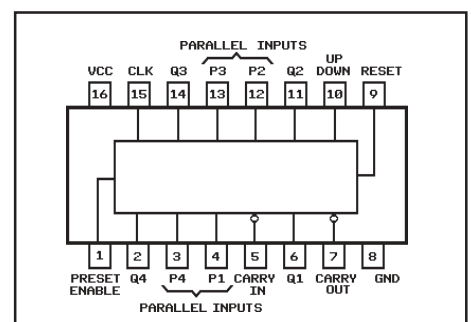
N°d'art.		Prix 1...	25...
91661	4508B	3.20	2.90



4510B BCD Up/Down Counter

The counter count up when the up/down input is at logical "1" and vice versa. A logical "1" preset enable signal allows information at the parallel inputs to preset the counter to any state synchronously with the clock. The counter is advanced one count at the positive-going edge of the clock if the carry in, preset enable, and rest inputs are at logical "0". Advancement is inhibited when any of these three inputs are at logical "1". The carry out signal is normally at logical "1" state and goes to logical "0" when the counter reaches its maximum count in the "up" mode or its minimum count in the "down" mode, provided the carry input is at logical "0" state. The counter is cleared asynchronously by applying a logical "1" voltage level at the reset input.

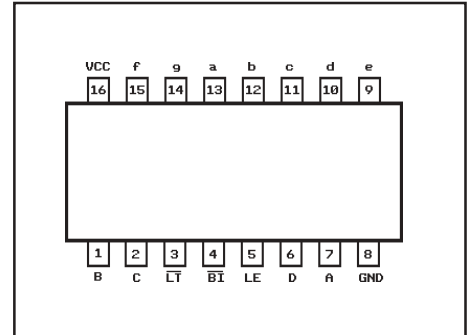
N°d'art.		Prix 1...	25...
31481	4510B	0.40	0.30



4511B BCD-to-7 Segment Latch/Decoder/Driver

The circuit provides the functions of a 4-bit storage latch, an 8421 BCD-to-seven segment decoder, and an output drive capability. Lamp test(LT), blanking(BI), and latch enable(LE) inputs are used to test the display, to turn off or pulse modulate the brightness of the display, and to store a BCD code, respectively. It can be used with seven-segment light emitting diodes(LED), incandescent, fluorescent, gas discharge, or liquid crystal readouts either directly or indirectly. Applications include instrument, display driver, computer/calculator display driver, cockpit display driver, and various clock, watch and timer uses.

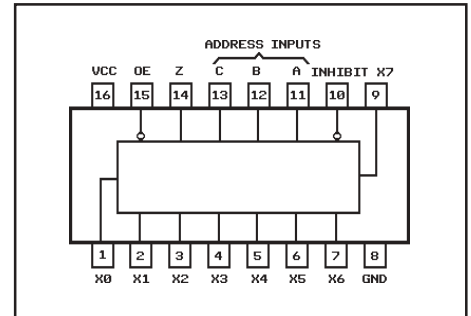
N°d'art.		Prix 1...	25...
31482	4511B	0.40	0.30
92111	4511B / SMD-SO16	0.50	0.40



4512B 8-Channel Buffered Data Selector

The 4512B is a buffered 8-channel data selector. This data selector is primarily used as a digital signal multiplexer selecting 1 of 8 inputs and routing the signal to a TRI-STATE output. A high level at the Inhibit input forces a low level at the output. A high level at the Output Enable(OE) input forces the output into the TRI-STATE condition. Low level at both the Inhibit and (OE) inputs allow normal operation.

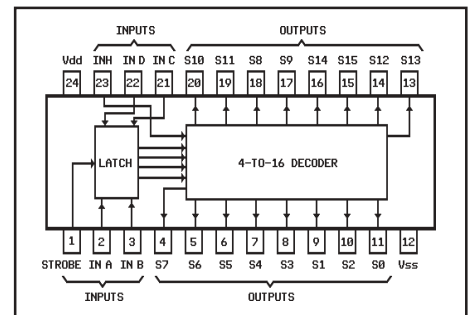
N°d'art.		Prix 1...	25...
31483	4512B	0.40	0.30



4515B 4-Bit Latched / 4-to-16 Line Decoders

The 4514B and 4515B are 4-to-16 line decoders with latched inputs. These circuits are primarily used in decoding applications where low power dissipation and/or high noise immunity is required. The 4514B presents a logical "1", whereas the 4515B presents a logical "0" at the selected output. The input latches are R-S type flip-flops, which hold the last input data presented prior to the strobe transition from "1" to "0". This input data is decoded and the corresponding output is activated. An output inhibit line is also available.

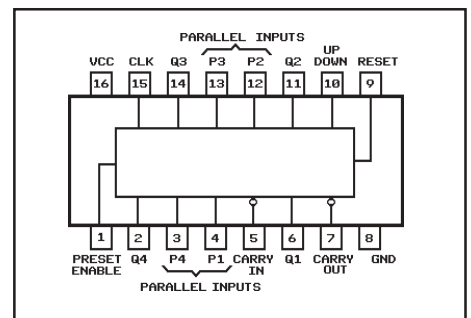
N°d'art.		Prix 1...	25...
31485	4515B	2.80	2.50



4516B Binary UP/Down Counter

The counter counts up when the up/down input is at logical "1" and vice versa. A logical "1" preset enable signal allows information at the parallel inputs to preset the counter to any state synchronously with the clock. The counter is advanced one count at the positive-going edge of the clock if the carry in, preset enable and rest inputs are at logical "0". Advancement is inhibited when any of these three inputs are at logical "1". The carry out signal is normally at logical "1" state and goes to logical "0" when the counter reaches its maximum count in the "up" mode or its minimum count in the "down" mode, provided the carry input is at logical "0" state. The counter is cleared asynchronously by applying a logical "1" voltage level at the reset input.

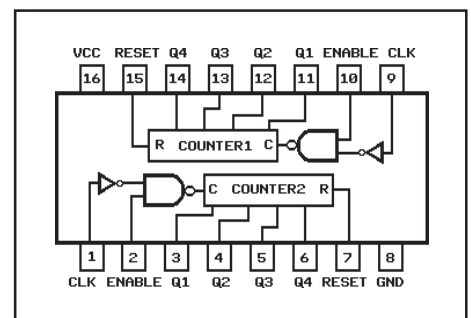
N°d'art.		Prix 1...	25...
31486	4516B	0.40	0.30
31396	4516B / SMD-SO16	0.50	0.40



4518B / 4520B Dual Synchronous Up Counters

The 4518B is a dual BCD counter and the 4520B is a dual binary counter. Each counter consists of two identical, independent, synchronous, 4-stage counters. The counter stages are toggle flip-flops which increment on either the positive-edge of Clock or negative-edge of Enable, simplifying cascading of multiple stages. Each counter can be asynchronously cleared by a high level on the Reset line.

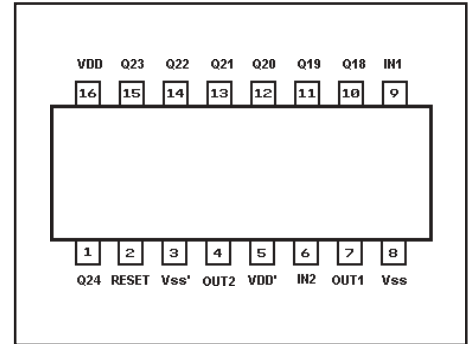
N°d'art.		Prix 1...	25...
31487	4518B	0.40	0.30
31489	4520B	0.40	0.30
31500	4520B / SMD-SO16	0.30	0.20



4521B 24-Stage Frequency Divider

The 4521B consists of a chain of 24 flip-flops with an input circuit that allows three modes of operation. The input will function as a crystal oscillator, an RC oscillator, or as an input buffer for an external oscillator. Each flip-flop divides the frequency of the previous flip-flop by two, consequently this part will count up to $2^{24} = 16,777,216$. The count advances on the negative going edge of the clock. The outputs of the last seven-stages are available for added flexibility.

N°d'art.		Prix 1...	25...
16232	4521	0.70	0.60

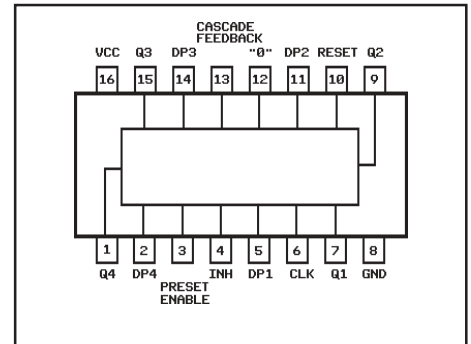


4522B/4526B Programmable Divide-By-N 4-Bit Counters

The 4522B is a Programmable BCD counter, the 4526B is a programmable Binary counter. Both are CMOS programmable cascadable down counters with a decoded "0" state output for divide-by-N applications.

Applications: programmable down counter, programmable frequency divider, frequency synthesizers, phase-locked loops.

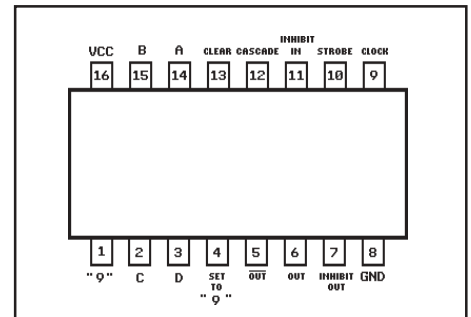
N°d'art.		Prix 1...	25...
31490	4522B	0.50	0.40
31491	4526B	1.80	1.50



4527B BCD Rate Multiplier

The 4527B is a 4-bit BCD rate multiplier that provides an output pulse rate which is the input clock pulse rate multiplied by 1/10 times the BCD input number. For example, if 5 is the BCD input number, there will be 5 output pulses for every 10 clock pulses. This device may be used to perform arithmetic operations including multiplication and division, A/D and D/A conversion and frequency division.

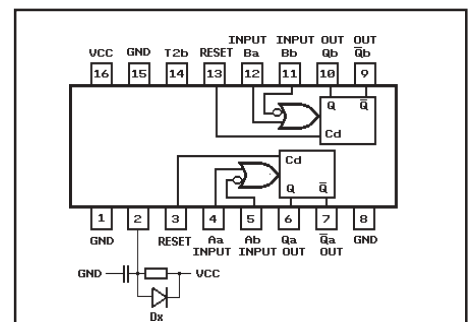
N°d'art.		Prix 1...	25...
31492	4527B	0.50	0.40



4528B DUAL MONOSTABLE MUTIVIBRATOR

The 4528 is a dual, retriggerable, resettable monostable multivibrator. It may be triggered from either leading or trailing edge of an input pulse, and produces an output pulse over a wide range of widths, the duration of which is determined by the external timing components CX and RX. (For $Cx > 0.01 \mu F$ $T_w = 0.2 R_x C_x$). R_x max. = 1M-Ohm. If $C_x > 15 \mu F$, use discharge Protection Diode D_x . Total output Pulse Width Range = 50ns - > 100µs.

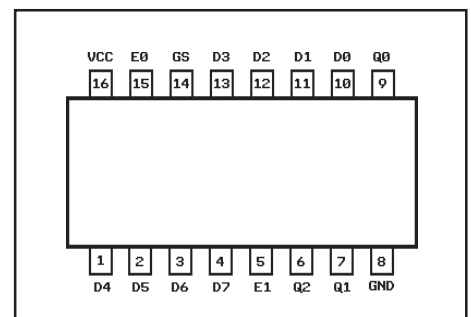
N°d'art.		Prix 1...	25...
74643	4528	0.65	0.55



4532B 8-Bit Priority Encoder

If E_{in} is enabled then the most significant input set (D0 to D7-D7 is MSB) will generate a specific code at the outputs regardless of the level on any lesser significant inputs. E_{out} goes high only when E_{in} is high but all inputs are low. Group Selected goes high only when E_{in} is high and one or more inputs are high.

N°d'art.		Prix 1...	25...
91662	4532B	0.55	0.45

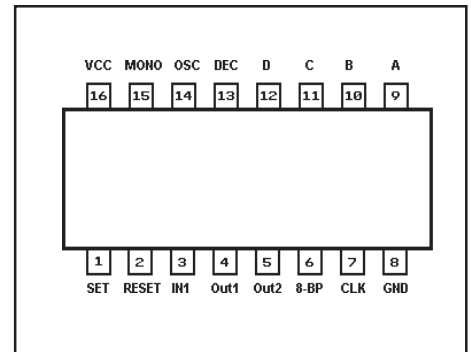


4536B Programmable Timer

The 4536 programmable timer is a 24-stage binary ripple counter with 16 stages selectable by a binary code. Provisions for an on-chip RC oscillator or an external clock are provided. An on-chip monostable circuit incorporating a pulse-type output has been included. By selecting the appropriate counter stage in conjunction with the appropriate input clock frequency, a variety of timing can be achieved.

24 Flip-Flop Stages - Will Count From 2^0 to 2^{24} . Last 16 Stages Selectable By Four-Bit Select Code. 6-Bypass Input Allows Bypassing of First Eight Stages. Set and Reset Inputs.

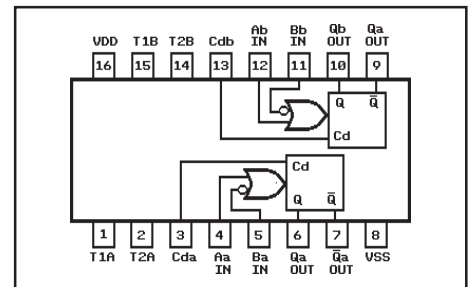
N°d'art.		Prix 1...	25...
74449	4536B	0.85	0.75



4538B Dual Precision Monostable Multivibrator

The 4538 is a dual, retriggerable, resettable monostable multivibrator. It may be triggered from either leading or trailing edge of an input pulse, and produces an output pulse over a wide range of widths, the duration of which is determined by the external timing components CX and RX. $R_x \text{ min} = 5K$, $C_x = \text{No limit}$. Total Output Pulse Width Range: $10\mu\text{s} \rightarrow 10\text{s}$

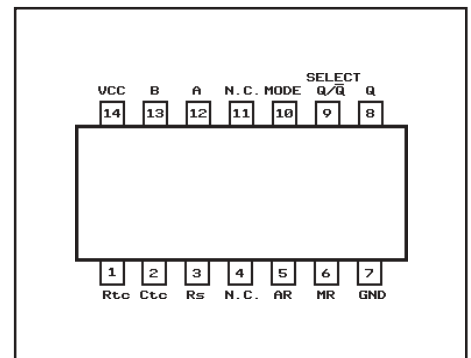
N°d'art.		Prix 1...	25...
31994	4538B	0.55	0.45



4541B Programmable Timer

This IC is designed with a 16-stage binary counter, an integrated oscillator for use with an external capacitor and two resistors, output control logic, and a special power-on reset circuit, which features are first, no additional static power consumption and second, the part functions across the full voltage range (3-15V) whether power-on reset is enabled or disabled. Timing and the counter are initialized by turning on power, if the power-on reset is enabled. When the power is already on, an external reset pulse will also initialize the timing and counter. After reset is accomplished, the oscillator frequency is determined by the external RC network. The 16-stage counter divides the oscillator frequency by any of 4 digitally controlled division ratios.

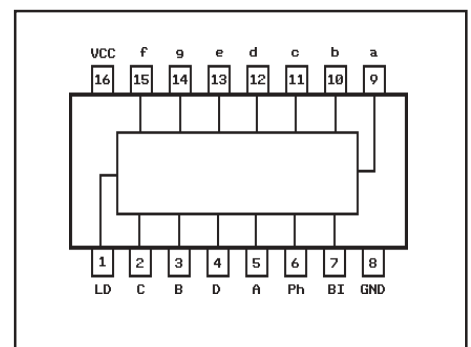
N°d'art.		Prix 1...	25...
31496	4541B	0.40	0.30
31499	4541BCM / SMD-SO14	0.35	0.25



4543B BCD-to-7-Segment Latch/Decoder/Driver

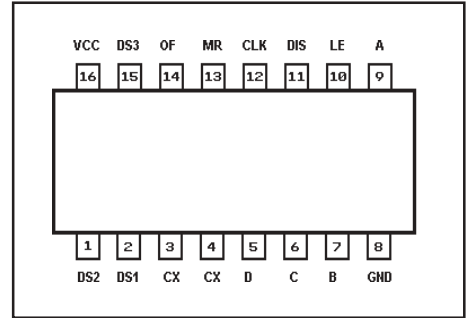
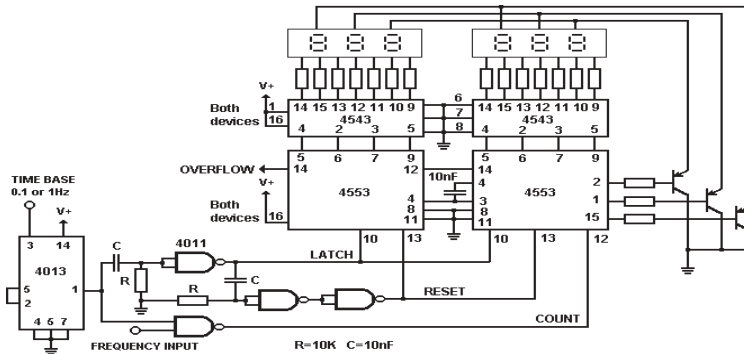
This IC has the functions of a 4-bit storage latch and an 8421 BCD-to-7-segment decoder and driver. The device has the capability to invert the logic levels of the output combination. The phase (PH), blanking (BI) and latch disable (LD) inputs are used to reverse the truth table phase, blank the display, and store a BCD code, respectively. For liquid crystal (LC) readouts, a square wave is applied to the Ph input of the circuit and the electrically common backplane of the display and the outputs of the circuit are connected directly to the segments of the readout

N°d'art.		Prix 1...	25...
31497	4543B	0.40	0.30



4553B 3-Digit BCD COUNTER

Complete 3-Digit Counter. Use for Do-it-yourself event and frequency counters
 Pin configuration: DS (digit select), DS1-DS2-DS3 (Sequentially strobes readouts). LE (Latch enable when H). DIS (Inhibits input when H). MR (Master reset when H). OF (Overflow). A-B-C-D (BCD Outputs)



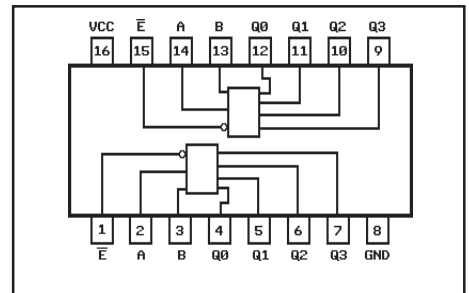
Typical Application: 6-Digit Frequency Counter

This circuit shows how to cascade two 3-Digit Counters. Max. count = 999,999. Displays are common cathode (for using LCD display or common cathode LED-Display -> see 4543 for details). Note that Pin 6 of 4343 goes to GND instead of Vdd when common cathode Display is used.

N°d'art.	Prix 1...	25...
50372	4553B	3.10

4555B Dual 1-of-4 Decoder / Demultiplexer

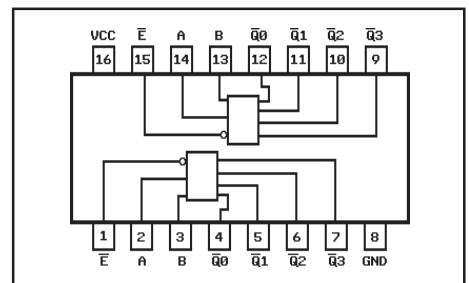
The 4555B has two Address Inputs (A, B), an active LOW Enable Input (E) and four mutually exclusive Outputs which is HIGH (Q0-Q3). When the 4555B is used as a decoder, the Enable Input (E) when HIGH, forces all Outputs (Q0-Q3) LOW. When used as a demultiplexer, the appropriate Output is selected by the Data on the Address Inputs (A, B) and follows as the inverse of the Enable Input (E). All unselected Outputs are LOW.



N°d'art.	Prix 1...	25...
16230	4555B	0.45

4556B Dual 1-of-4 Decoder / Demultiplexer

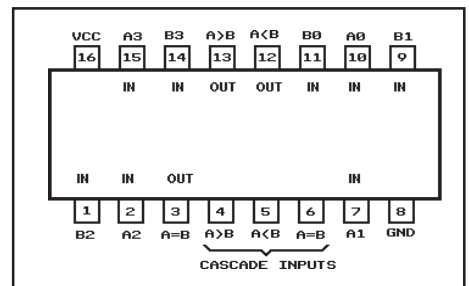
The 4556B has two Address Inputs (A, B), an active LOW Enable Input (E) and four mutually exclusive Outputs which is LOW (Q0-Q3). When the 4556B is used as a decoder, the Enable Input (E) when HIGH, forces all Outputs (Q0-Q3) HIGH. When used as a demultiplexer, the appropriate Output is selected by the Data on the Address Inputs (A, B) and follows the state of the Enable Input (E). All unselected Outputs are HIGH.



N°d'art.	Prix 1...	25...
16231	4556B	0.45

4585B 4-Bit Magnitude Comparator

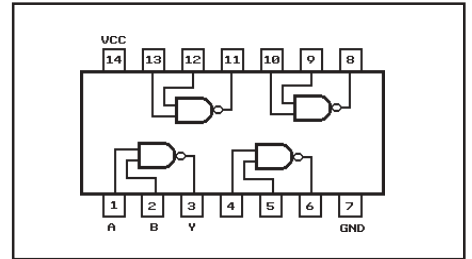
The 4585 is intended for comparison of two 4-bit words. The result of comparison is indicated by a high level on one of the decision outputs (A>B, A=B, A<B). By connecting the outputs of the least significant stage to the cascade inputs of the next stage, word of greater than 4-bits can be compared. Inputs (A<B), (A=B) and (A>B) are connected to a low, a high and a low respectively on the first comparator.



N°d'art.	Prix 1...	25...
74452	4585	0.50

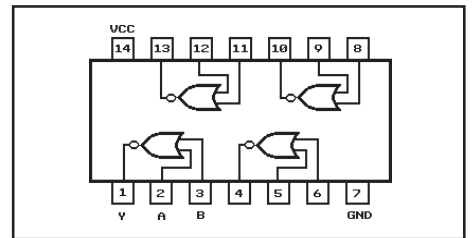
7400 Quad 2-Input NAND Gate

N°d'art.		Prix 1...	25...
86350*	7400N	1.50	1.20
73000*	74AC00M / SMD-SO14	0.40	0.30
F0132*	74C00N	2.20	1.90
31000	74HC00	0.60	0.50
93000	74HC00 / SMD-SO14	0.30	0.25
93003*	74HC00PW / SMD-SSOP14	0.30	0.20
31199	74HCT00D / SMD-SO14	0.30	0.25
93001*	74LV00 / SMD-SSOP14	0.40	0.30
73004*	74VHC00MTCX / SMD-SSOP14	0.20	0.13



7402 Quad 2-Input NOR Gate

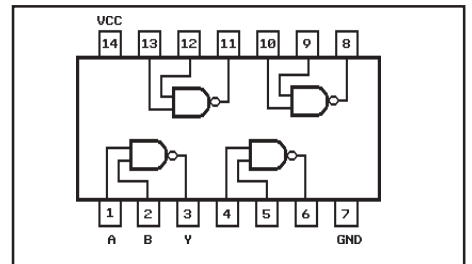
N°d'art.		Prix 1...	25...
75236	74AC02 / SMD-SO14	0.50	0.40
31001	74HC02	0.50	0.40
93002	74HC02 / SMD	0.30	0.25
75218	74LS02	0.30	0.25



7403 Quad 2-Input Open Drain NAND Gate

These devices contain four independent 2-Input NAND Gates. The Open-Drain outputs require pull-up resistors to perform correctly. With suitable pull-up resistors, these devices can be used in active-low wired-OR or active-high wired-AND applications.

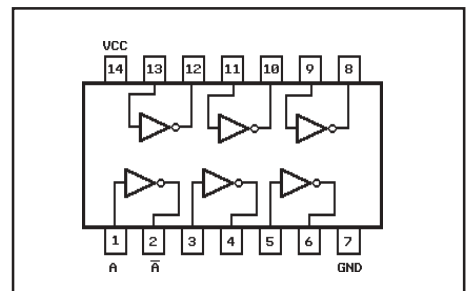
N°d'art.		Prix 1...	25...
31002	74HC03	0.40	0.30
31202	74HCT03	0.30	0.20



7404 Hex Inverter

Three IC's with six inverting buffers in a single package. The 74HC(T)04 have standard totem-pole outputs. The 74HCU04 is a unique device in the HC range as it is unbuffered and designed primarily for linear applications requiring a high input impedance amplifier and for high speed oscillators.

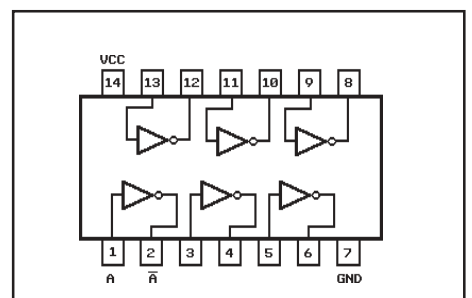
N°d'art.		Prix 1...	25...
93004	74HC04 / SMD- SO14	0.35	0.30
91704	74HCT04 / SMD- SO14	0.35	0.25
75217*	74LS04	0.30	0.20
79572	NC7S04M5 / Single Gate SMD SOT23/5	0.30	0.25
31004	74HCU04	1.40	1.00
93005	74HCU04 / SMD-SO14	0.30	0.25
79867	74HC1GU04 / Single Gate SMD TSSOP-5	0.23	0.18



7405 Hex Inverter with Open-Drain Outputs

These devices contain six independent Inverters. The Open-Drain outputs require pull-up resistors to perform correctly. With suitable pull-up resistors, these devices can be used in active-low wired-OR or active-high wired-AND applications. The 74LS output can handle voltages up to 30V.

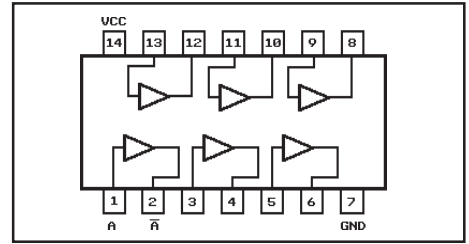
N°d'art.		Prix 1...	25...
31005	74HC05	1.40	1.00
31105	74HC05 / SMD-SO14	0.27	0.21
31204	74HCT05	0.50	0.40
15509	74LS05	0.50	0.40



7407 Hex Buffer Driver with Open-Drain Outputs (30V)

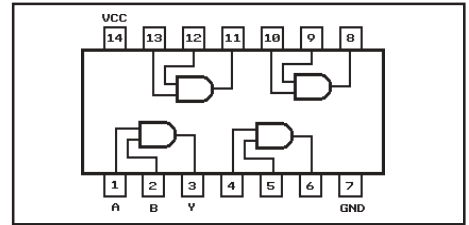
This device contains hex non-inverting buffers with open-collectors. The 74LS07 output can handle voltages up to 30V.

N°d'art.		Prix 1...	25...
15512	7407N	0.70	0.50
15511	74LS07	1.40	1.20



7408 Quad 2-Input AND Gate

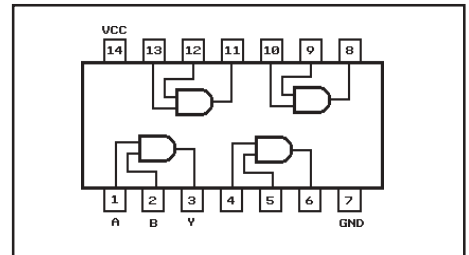
N°d'art.		Prix 1...	25...
F0180	74ACT08 / SMD-SO14	0.60	0.50
31006	74HC08	0.90	0.70
93008	74HC08 / SMD-SO14	0.40	0.30
F0192*	74LCX08 / SMD-SO14	0.60	0.50
74908*	74LS08	0.50	0.40
79573	NC7S08M5 / Single Gate SMD-SOT23/5	0.30	0.25



7409 Quad 2-Input AND Gate with Open-Drain Outputs

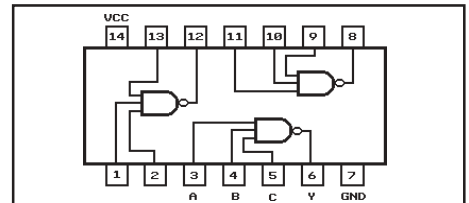
This device contains four independent 2-Input AND Gates. The Open-Drain outputs require pull-up resistors to perform correctly. With suitable pull-up resistors, these devices can be used in active-low wired-OR or active-high wired-AND applications.

N°d'art.		Prix 1...	25...
31320	74LS09	0.60	0.50



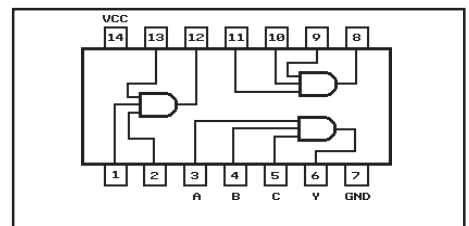
7410 Triple 3-Input NAND Gate

N°d'art.		Prix 1...	25...
73001*	74AC10SC / SMD-SO14	0.50	0.40
31007	74HC10	1.50	1.20
75219*	74LS10	0.50	0.40



7411 Triple 3-Input AND Gate

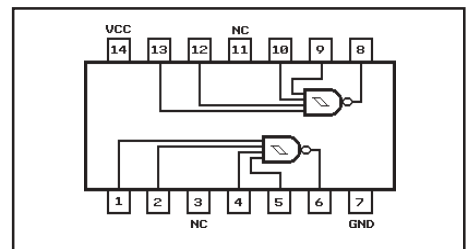
N°d'art.		Prix 1...	25...
31008	74HC11	1.20	1.00
84105	74HC11 / SMD-SO14	0.40	0.30
91706*	74HCT11	0.60	0.40
91705*	74HCT11 / SMD-SO14	0.30	0.20



7413 Dual 4-Input NAND Schmitt Trigger

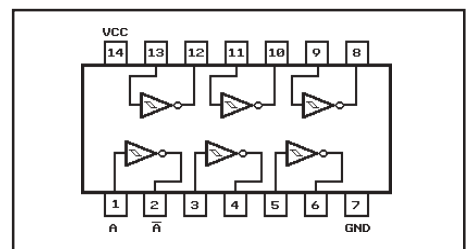
The 74LS13 contains two 4-input NAND gates which accept standard TTL input signals and provide standard TTL output levels. They are capable of transforming slowly changing input signals into sharply defined, jitter-free, output signals. In addition, they have greater noise margin than conventional NAND gates.

N°d'art.		Prix 1...	25...
91600	74LS13	0.80	0.70



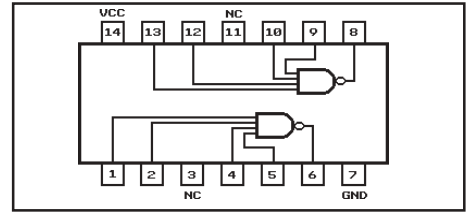
7414 Hex Inverting Schmitt Trigger

N°d'art.		Prix 1...	25...
F0190*	74AC14 / SMD-SO14	0.50	0.40
31009	74HC14	1.50	1.00
93014	74HC14 / SMD-SO14	0.25	0.20
93016	74VHC14PW / SMD-SSOP14	0.60	0.50
79897*	74AC14 / SMD-SO14	0.30	0.20
F0189*	74VHC14 / SMD-SO14	0.60	0.50
79574	NC7S14M5 / Single Gate SMD SOT23/5	0.50	0.40



7420 Dual 4-Input NAND Gate

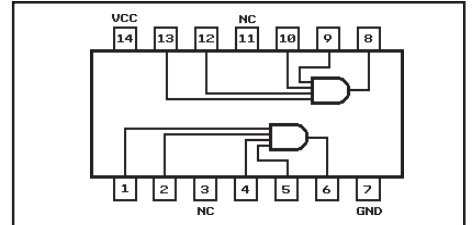
N°d'art.		Prix 1...	25...
31010	74HC20	1.30	1.20
15210*	74HCT20	0.40	0.30
75207*	74LS20	0.40	0.30
75226*	74ALS20	0.80	0.60



7421 Dual 4-Input AND Gate

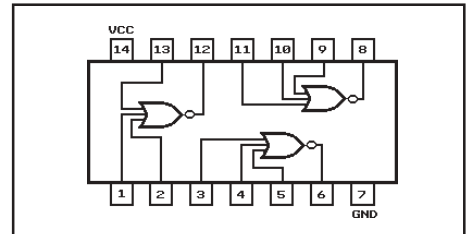
These devices contain two independent 4-input AND gates. They perform the Boolean functions $Y = AxBxCxD$ in the positive logic.

N°d'art.		Prix 1...	25...
16100	74HC21	1.30	1.20
93021	74HC21 / SMD	0.40	0.30
15211*	74HCT21	0.50	0.30



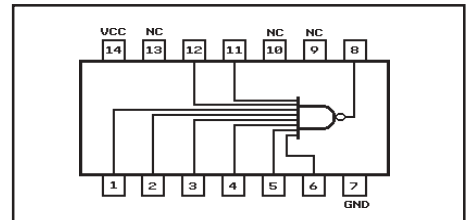
7427 Triple 3-Input NOR Gate

N°d'art.		Prix 1...	25...
31012	74HC27	1.30	1.00
84118	74HC27 / SMD-SO14	0.35	0.25
91710*	74HCT27	0.50	0.30
31011*	74LS27	0.20	0.15



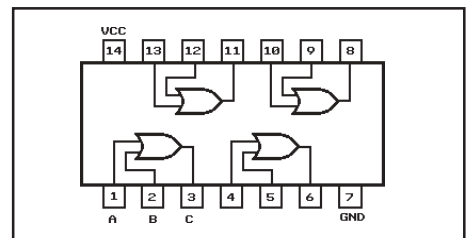
7430 8-Input NAND Gate

N°d'art.		Prix 1...	25...
F0160*	74AC30 / SMD-SO14	0.50	0.40
31013	74HC30	1.90	1.50
31015	74HC30 / SMD-SO14	0.40	0.30
15213*	74HCT30	0.30	0.20
75216*	74LS30	0.40	0.30



7432 Quad 2-Input OR Gate

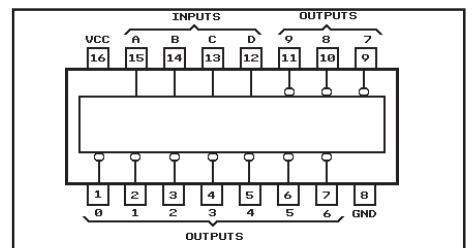
N°d'art.		Prix 1...	25...
F0188*	74ACT32 / SMD-SO4	0.60	0.50
31014	74HC32	1.40	1.00
93032	74HC32 / SMD-SO14	0.40	0.30
75215*	74LS32	0.30	0.20
79571	NC7S32M5 / Single Gate SMD SOT23/5	0.50	0.40



7442 BCD-to-Decimal Decoder

These BCD-to-decimal decoders consist of eight inverters and ten, four-input NAND gates. The inverters are connected in pairs to make BCD input data available for decoding by the NAND gates. Full decoding of input logic ensures that all outputs remain off for invalid (10-15) input conditions.

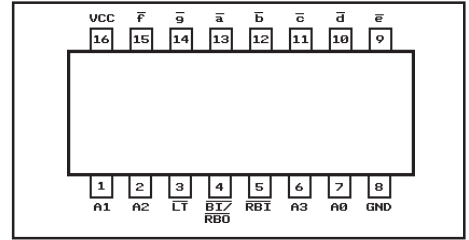
N°d'art.		Prix 1...	25...
31016	74HC42	1.40	1.00
91712*	74HCT42	0.50	0.40
75214*	74LS42	0.60	0.50



7447 BCD to 7-Segment Decoder

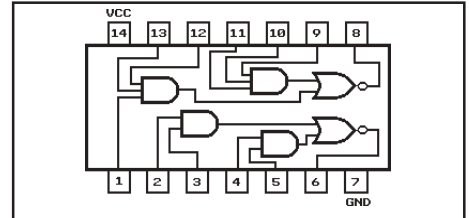
The 74LS47 is designed for driving a 7-segments displays. Type '47' has a active-low open collector outputs for driving common anode LED displays or incandescent indicators .

N°d'art.		Prix 1...	25...
31342	74LS47	2.40	1.90



7451 Dual AND-OR-Invert Gate

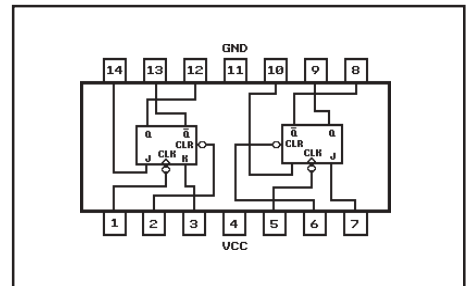
N°d'art.		Prix 1...	25...
31017	74HC51	1.40	1.50
15217*	74HCT51	0.40	0.30



7473 Dual J-K Flip-Flops with Clear

These flip-flops are edge sensitive to the clock input and change state on the negative going transition of the clock pulse. Each flip-flop has independent J, K, Clock, and Clear inputs. The Clear input is independent of the clock and accomplished by a low level on the input.

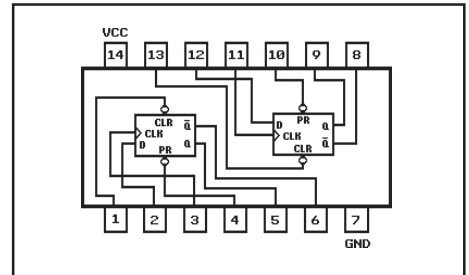
N°d'art.		Prix 1...	25...
31019	74HC73	1.40	1.00
93073	74HC73 / SMD	0.60	0.40
91714*	74HCT73	0.60	0.40



7474 Dual D Flip-Flop with Preset and Clear

These flip-flops consist of two D-Type flip-flops with individual preset, clear, and clock inputs. Information at a D-Input is transferred to the corresponding Q output on the next positive going edge of the clock input. Both outputs are available from each flip-flops. The preset & clear inputs are asynchronous.

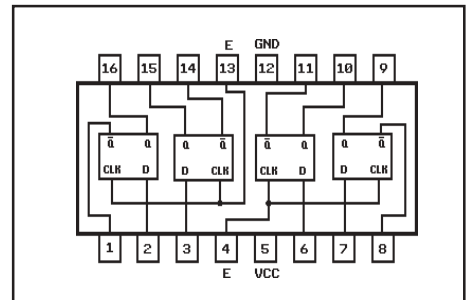
N°d'art.		Prix 1...	25...
F0187*	74ACT74 / SMD-SO14	0.60	0.50
31020	74HC74	1.90	1.50
93074	74HC74 / SMD-SO14	0.40	0.30
93075*	74HC74DB / SMD-SSOP14	0.40	0.30



7475 4-Bit Bistable Latch

The '75' consists of two independent 2-bit transparent latches. This latch is suited for use as a temporary storage of binary information. Information present at the data input is transferred to the Q output when the enable is high. When the enable goes low, the information that was present at the data input at the time the transition occurred is contained at the Q output until the enable is permitted to go high again.

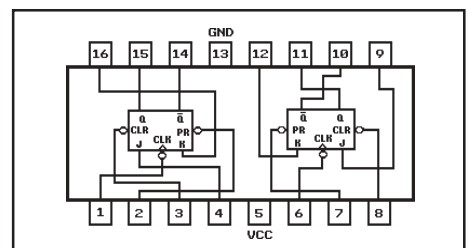
N°d'art.		Prix 1...	25...
31021	74HC75	1.90	1.50
91715*	74HCT75	0.60	0.40



7476 Dual J-K Flip-Flop with Preset and Clear

This Flip-Flop is edge sensitive to the clock input and change state on the negative going transition of the clock pulse. Each flip-flop has independent J, K, Clock, Preset, and Clear inputs. The Clear and Preset inputs are independent of the clock and accomplished by a low logic level on corresponding input.

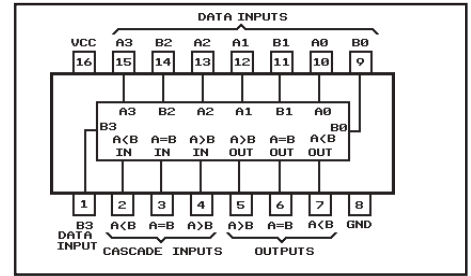
N°d'art.		Prix 1...	25...
31022	74HC76	1.90	1.50
84107	74HC76 / SMD-SO16	0.60	0.50



7485 4-Bit Magnitude Comparator

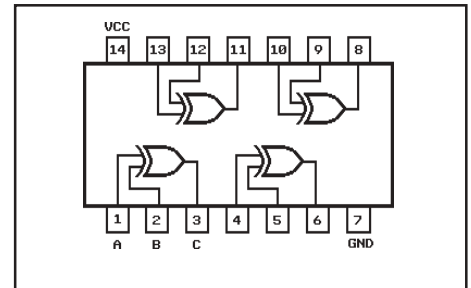
The 74HC(T)85 are intended for HIGH speed comparison of two 4-bit words. The result of comparison is indicated by a high level on one of the decision outputs ($A > B$, $A = B$, $A < B$). By connecting the outputs of the least significant stage to the cascade inputs of the next stage, word of greater than 4-bits can be compared.

N°d'art.		Prix 1...	25...
31023	74HC85	1.40	1.00
91718*	74HCT85	0.50	0.40
75204*	74LS85	0.50	0.40



7486 Quad 2-Input Exclusive OR Gate

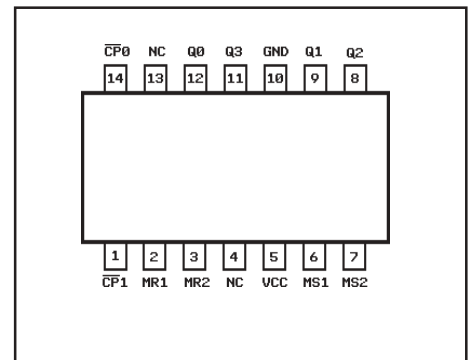
N°d'art.		Prix 1...	25...
31024	74HC86	1.40	1.00
93086	74HC86 / SMD-SO14	0.45	0.35
15224	74HCT86	0.30	0.20



7490 Decade Counter

The device is arranged as divide-by-two and a divide-by-five section. Each section has a separate Clock input to initiate state changes of the counter on the HIGH-to-LOW clock transition. Since the outputs from the divide-by-two section is not internally connected to the succeeding stages, the device may be operated in various counting modes. In a BCD counter the CP1 input must be connected to the Q0 output. In a symmetrical Bi-quinary divide-by-ten counter the Q3 output must be connected to the CP0 input. A gated AND asynchronous Master Reset (MR1, MR2) is provided which clear all the flip-flops. Also provided is a gated AND asynchronous Master Set (MS1, MS2) which set the outputs to 9 (HLLH).

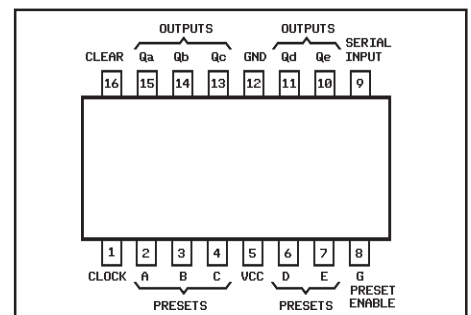
N°d'art.		Prix 1...	25...
31349	74LS90	1.50	1.30



7496 5-Bit Shift Register

The '96' is a 5-bit shift register with both serial and parallel data entry. Since it has the output of each stage available as well as a D-Type serial input and one transfer inputs on each stage, it can be used in 5-bit serial-to-parallel, serial-to-serial and some parallel-to-serial data operations. The '96' is five master/slave flip-flops connected to perform right shift. The flip-flops change state on the LOW-to-HIGH transition of the clock. The serial input is edge-triggered and must be stable only one set-up time before the LOW-to-HIGH clock transition.

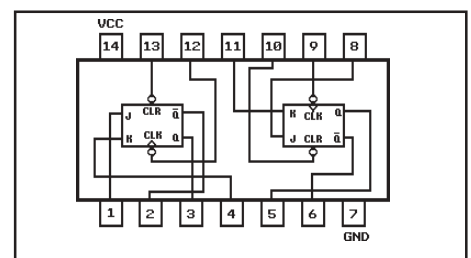
N°d'art.		Prix 1...	25...
91602	74LS96	1.80	1.50



74107 Dual J-K Flip-Flop with Clear

These flip-flops are edge sensitive to the clock input and change state on the negative going transition of the clock pulse. Both outputs are available from each flip-flop. Clear is independent of the clock and accomplished by a low on the input.

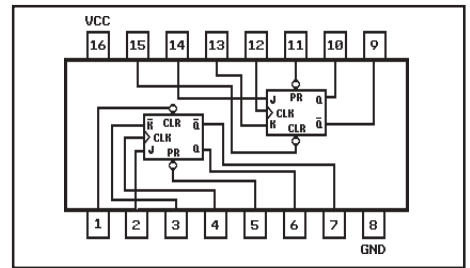
N°d'art.		Prix 1...	25...
91720*	74HCT107	0.70	0.50



74109 Dual J-K Flip-Flop with Preset and Clear

These flip-flops are edge sensitive to the clock input and change state on the negative going transition of the clock pulse. Both outputs are available from each flip-flop. Preset and Clear is independent of the clock and accomplished by a low on the corresponding input.

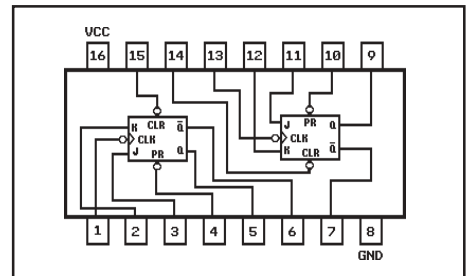
N°d'art.		Prix 1...	25...
91609	74HC109	1.40	1.00
31227	74HCT109	0.80	0.60



74112 Dual J-K Flip-Flop with Preset and Clear

These devices consist of two J-K flip-flops with individual J, K, clear, preset and clock inputs. These flip-flops are edge sensitive to the clock input and change state on the negative going transition of the clock pulse. Both outputs are available from each flip-flop. Preset and Clear is independent of the clock and accomplished by a low on the corresponding input.

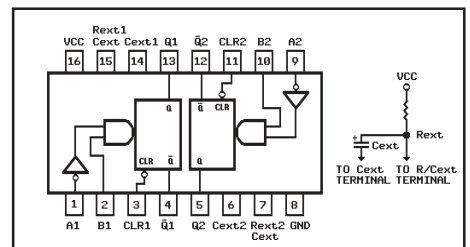
N°d'art.		Prix 1...	25...
31028	74HC112	1.90	1.50
31228*	74HCT112	0.60	0.40



74123 Dual Retriggerable Monostable Multivibrator

Each multivibrator features an active-low asynchronous clear and both negative-and positive—edge triggered inputs, either of which can be used as an enable. Also included is a clear input that when taken low resets the one shot. The output pulse width can be controlled with stability by the simple equation: $PW=(Rext)(Cext)$. Where PW is in seconds, Rext is in ohms, and Cext is in farads.

N°d'art.		Prix 1...	25...
93123	74HC123 / SMD	0.50	0.40
91723*	74HCT123	0.70	0.50
75210*	74LS123	0.40	0.30

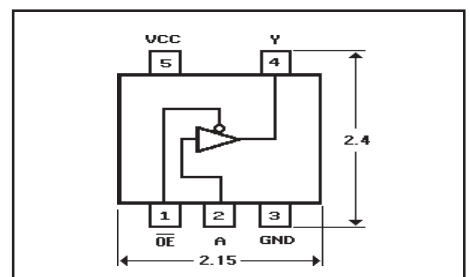


741G125 TRI-STATE Single Buffer

The SN74AHCT1G125 is a single bus buffer gate/line driver with 3-state output. The output is disabled when the output-enable (OE) input is high. When OE is low, true data is passed from the A input to the Y output.

To ensure the high-impedance state during power up or power down, OE should be tied to VCC through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

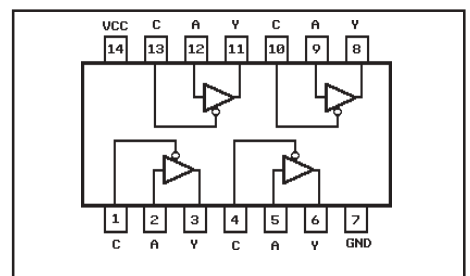
N°d'art.		Prix 1...	25...
15232 ^P	74AHCT1G125DCK / SMD - SOT SC70	0.35	0.25



74125 TRI-STATE Quad Buffer

These devices contain four independent 3-State non-inverting buffers which are designed to be used with 3-State memory address drivers, clock drivers, and other bus-oriented systems. The 74HC/HCT 125 requires the 3-State control input to be taken high to put the output into the high impedance state (active-low).

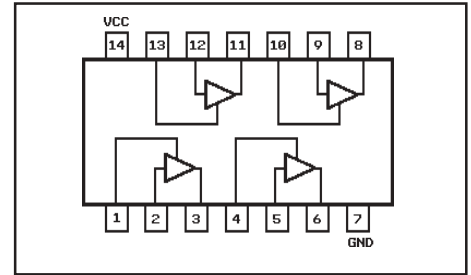
N°d'art.		Prix 1...	25...
31031	74HC125	1.40	1.00
93125	74HC125 / SMD - SO14	0.50	0.40
15231*	74HCT125	0.40	0.30
15230	74HCT125 / SMD - SO14	0.40	0.30
F0191*	74LVX125 / SMD-SO14	0.70	0.60



74126 TRI-STATE Quad Buffer

These devices contain four independent 3-State non-inverting buffers which are designed to be used with 3-State memory address drivers, clock drivers, and other bus-oriented systems. The 74HC/HCT 126 requires the 3-State control input to be taken low to put the output into the high impedance state (active-high).

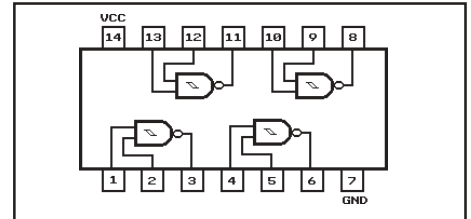
N°d'art.		Prix 1...	25...
31032	74HC126	0.50	0.40
93126	74HC126 / SMD - SO14	0.40	0.30
91726	74HCT126	0.80	0.60
15229	74HCT126 / SMD - SO14	0.40	0.30



74132 Quad 2-Input NAND Schmitt Trigger

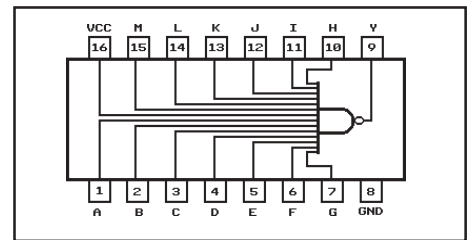
These devices contain four independent 2-Input NAND gates. Each input has hysteresis and can, therefore, be used to enhance noise immunity or to square up slowly changing waveforms.

N°d'art.		Prix 1...	25...
93132	74HC132 / SMD	0.30	0.25
91725	74HCT132	0.80	0.60
93133	74HCT132 / SMD	0.40	0.30



74133 13-Input NAND Gate

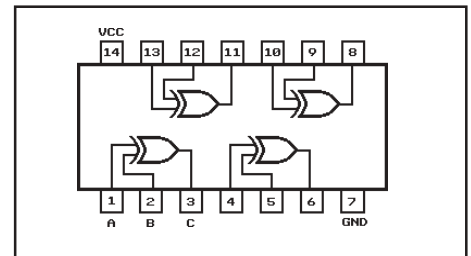
N°d'art.		Prix 1...	25...
31034	74HC133	1.40	1.00
84122	74HC133 / SMD-SO16	0.60	0.50



74136 Quad 2-Input Exclusive-OR Gate (OC)

This device contains 2-Input exclusive-OR gates with open-collector outputs.

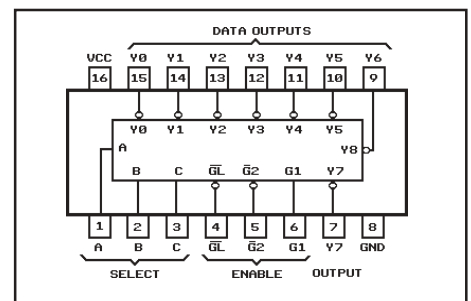
N°d'art.		Prix 1...	25...
31353	74LS136	0.80	0.60



74137 3-to-8 Line Decoder with Address Latches

These devices implement a 3-to-8 line decoder with latches on the three address inputs. When GL goes from low to high, the address present at the select inputs (A,B,C) is stored in the latches. As long as GL remain high no address changes will be recognized. Output enable controls, G1 and G2, control the state of the outputs independently of the select or latch-enable inputs. All outputs are high unless G1 is high and G2 is low.

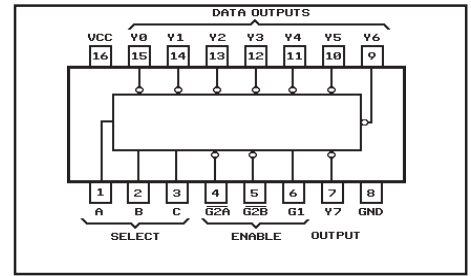
N°d'art.		Prix 1...	25...
31035	74HC137	1.60	1.40
31038	74HC137 / SMD-SO16	0.60	0.50
91727	74HCT137	0.80	0.60



74138 3-to-8 Line Decoder / Demultiplexer

These decoders are well suited to memory address decoding or data routing applications. Each device has 3 binary select (A,B,C), and decodes a 3-bit address to 1-of-8 active low outputs. They features three chip enable inputs. Two active low and one active high to facilitate the demultiplexing, cascading, and chip selecting functions.

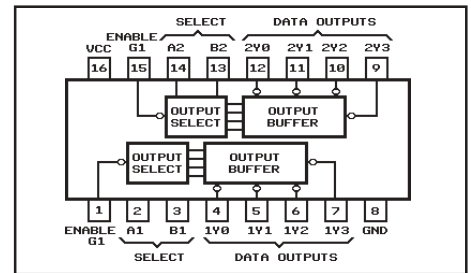
N°d'art.		Prix 1...	25...
31036	74HC138	0.60	0.50
93138	74HC138 / SMD	0.40	0.30
75211*	74LS138	0.40	0.30



74139 Dual 2-to-4 Line Decoder

These decoders are well suited to memory address decoding or data routing applications. They contain two independent 1-of-4 decoders each with a single active-low enable input. Each circuit decodes a 2-bit address to 1-of-4 active-low outputs. Data on the select input (A,B) cause one of the four normally high outputs to go low.

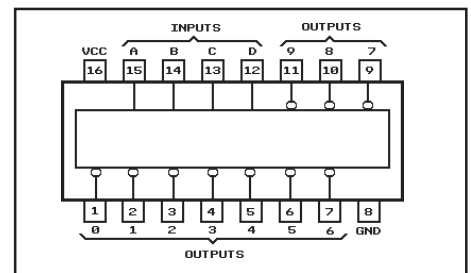
N°d'art.		Prix 1...	25...
31037	74HC139	0.80	0.60
93139	74HC139 / SMD	0.50	0.40
75213*	74LS139	0.30	0.20



74145 BCD-to-Decimal Decoder / Driver (OC)

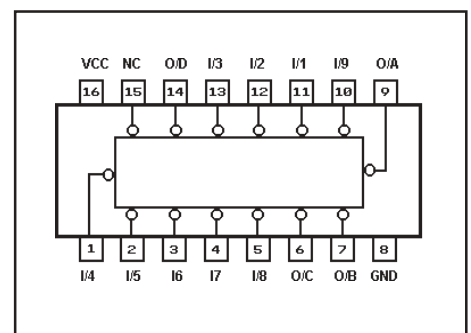
The '145' is a 1-of-10 decoder with Open Collector outputs. This decoder accepts BCD inputs on the A0 to A3 address lines and generates 10 mutually exclusive active low outputs. When an input code greater than "9" is applied, all outputs are high. This device can therefore be used as a 1-of-8 decoder with A3 used as a active low enable. The '145' features an output breakdown voltage of 15V and can supply 80mA sink current for directly driving lamps or relays.

N°d'art.		Prix 1...	25...
31356	74145	3.90	3.50
75225*	74LS145	0.80	0.60



74147 10-to-4 Line Priority Encoder

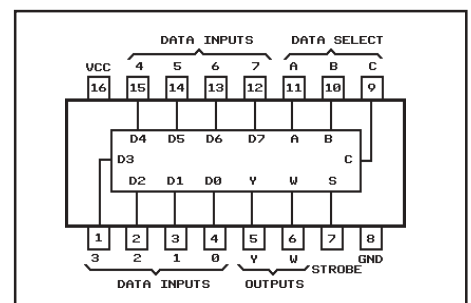
N°d'art.		Prix 1...	25...
16140	74HC147	1.40	1.00



74151 8-Channel Digital Multiplexer

The '151' selects one of the 8 data sources, depending on the address presented on the A, B, and C inputs. It features both true (Y) and complement (W) outputs. The STROBE input must be at a low logic level to enable this multiplexer. A high logic level at the STROBE forces the W output high and the Y output low.

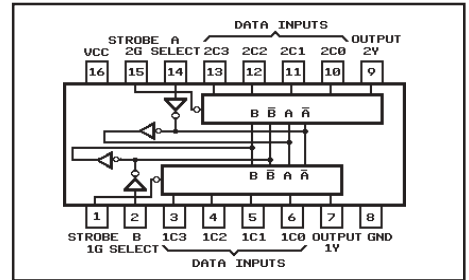
N°d'art.		Prix 1...	25...
31039	74AC151	0.12	0.08
31040	74HC151	1.40	1.00
75209*	74LS151	0.40	0.30



74153 Dual 4-Input Multiplexer

Information on the data inputs of each multiplexer is selected by the address on the A and B inputs, and is presented to the Y output. Each multiplexer possesses a strobe input which enables it when taken to a low logic level. When a high logic level is applied to a strobe input, the output of its associated multiplexer is taken low.

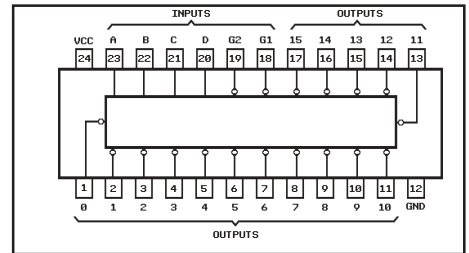
N°d'art.		Prix 1...	25...
31041	74HC153	0.60	0.50
84108	74HC153 / SMD-SO16	0.45	0.35
91730	74HCT153	0.40	0.30



74154 4-to-16 Line Decoder

The '154' has 4 binary select inputs (A,B,C,D). If the device is enabled these inputs determine which one of the 16 normally high outputs will go low. Two active low enable (G1,G2) are provided to ease cascading of decoders with little or no external logic.

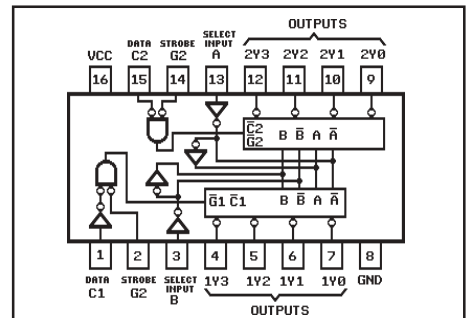
N°d'art.		Prix 1...	25...
31042	74HC154N (DIL 24p. 600mil)	1.40	1.00
93154	74HC154 / SMD-SO24W	0.80	0.70
91731	74HCT154 (DIL 24p. 600mil)	1.00	0.80



74155 Dual 2-to-4 Line Decoder / Demultiplexer

These devices contain two 1-to-4 line demultiplexers with individual enable inputs, individual DATA inputs, and common binary address inputs. When both sections are enabled by the enables, the common binary address inputs sequentially select and route associated input data to the appropriate output of each section. Data applied to input C1 is inverted at its outputs and data applied at C2 is not inverted thru its outputs. When two inputs and two enable inputs are connected with each other these circuits can be used as a 3-to-8 line decoder, or 1-to-8 demultiplexer without external gating.

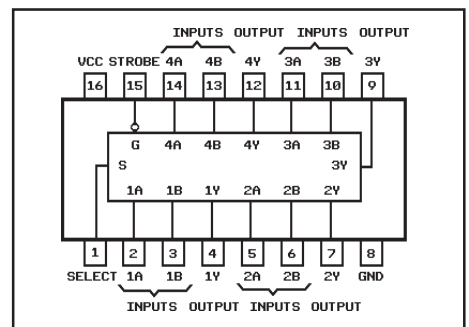
N°d'art.		Prix 1...	25...
15043	74HC155	1.50	1.10
31244*	74HCT155	3.60	3.10
75203*	74LS155	0.60	0.50



74157 Quad 2-Input Multiplexer

These devices each consist of four 2-Input digital multiplexers with common select and STROBE inputs. On the '157', when the STROBE input is at logical '0' the four outputs assume the values as selected from the inputs. When the STROBE is at logical '1' the outputs assume logical '0'. Select decoding is done internally resulting in a single select input only. If enabled, the select input determines whether the A or B inputs get routed to their corresponding Y outputs.

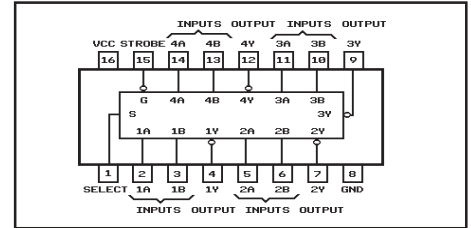
N°d'art.		Prix 1...	25...
31044	74HC157	0.70	0.50
15244	74HCT157	0.40	0.30
74448	74LS157	0.50	0.40



74158 Quad 2-Input Multiplexer

The '158' operates in the same manner than the '157', except that its outputs are inverted.

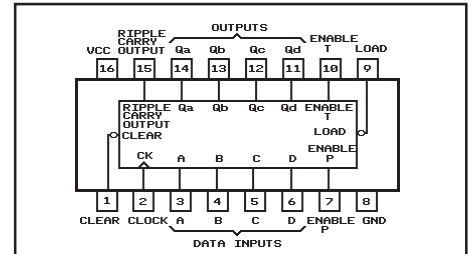
N°d'art.		Prix 1...	25...
31045	74HC158	1.30	0.90
91733	74HCT158	1.10	0.90
74461	74LS158	0.70	0.60



74160 Synchronous Decade Counter

The '160' contain a 4-bit decade counter consisting of four flip-flops. All flip-flops are clocked simultaneously on the positive edge of the clock input. Counters may be preset using the load input at the rising edge of clock. All the counters may be cleared asynchronously by utilizing the clear input. When the clear is taken low, the counter is cleared immediately regardless of the clock.

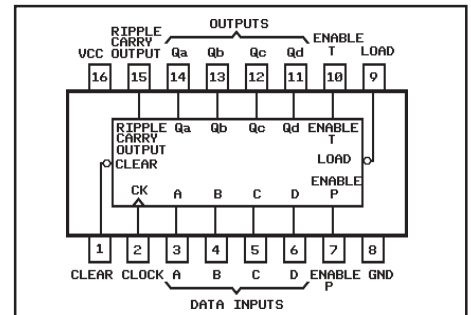
N°d'art.		Prix 1...	25...
31046	74HC160	1.20	0.90
91734	74HCT160	1.20	1.00



74161 Synchronous Binary Counter

The '161' contain a 4-bit binary counter consisting of four flip-flops. All flip-flops are clocked simultaneously on the positive edge of the clock input. Counters may be preset using the load input at the rising edge of clock. All the counters may be cleared asynchronously by utilizing the clear input. When the clear is taken low, the counter is cleared immediately regardless of the clock.

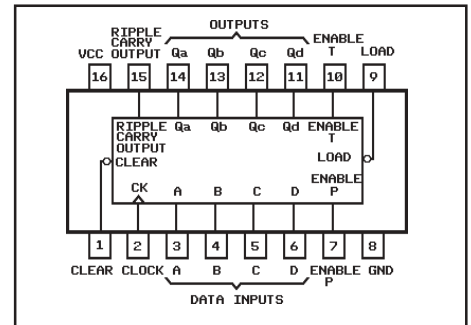
N°d'art.		Prix 1...	25...
31047	74HC161	0.60	0.50
91735*	74HCT161	1.20	1.00
75208*	74LS161	0.60	0.50



74162 Synchronous Decade Counter

The '162' contain a 4-bit decade counter consisting of four flip-flops. All flip-flops are clocked simultaneously on the positive edge of the clock input. Counters may be preset using the load input at the rising edge of clock. All the counters may be cleared synchronously by utilizing the clear input. That is, the counters are cleared on the positive edge of the clock while the clear input is held low.

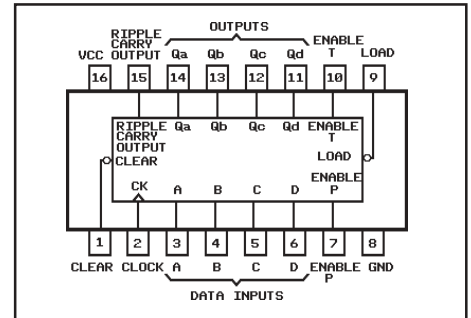
N°d'art.	Prix 1...	25...
91736*	74HCT162	1.00



74163 Synchronous Binary Counter

The '163' contain a 4-bit binary counter consisting of four flip-flops. All flip-flops are clocked simultaneously on the positive edge of the clock input. Counters may be preset using the load input at the rising edge of clock. All the counters may be cleared synchronously by utilizing the clear input. That is, the counters are cleared on the positive edge of the clock while the clear input is held low.

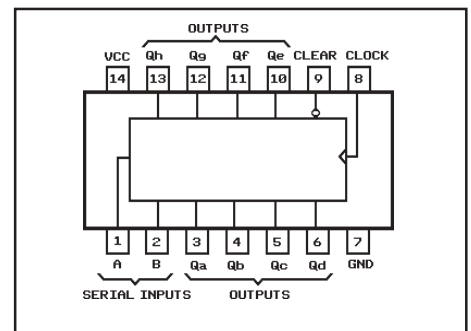
N°d'art.	Prix 1...	25...
91737*	74HCT163	0.50



74164 8-Bit Serial-in/Parallel-out Shift Register

Two serial data inputs are provided so that one input may be used as a data enable. Data at the serial inputs may be changed while the clock, is high or low, but only information meeting the setup and hold time requirements will be entered. Data is serially shifted in and out of the 8-bit register at the rising edge of the clock pulse, where each register is a D-Type master/slave flip-flop. An asynchronous clear is provided, which is activated when a low level is present at its input. Clear is independent of the clock and accomplished by a low level at the clear input.

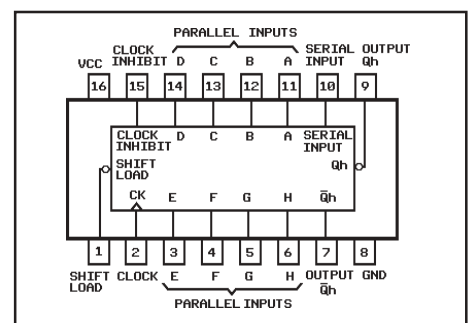
N°d'art.	Prix 1...	25...
31050	74HC164	1.50
73033	74HC164M / SMD-SO14	0.15



74165 Parallel-in/Serial-out 8-Bit Shift Register

The '165' shifts data from Qa to Qh when clocked. Parallel inputs to each stage are enabled by a low level at the SHIFT/LOAD input. Include is a gated CLOCK input and a complementary output from the eighth bit. Clocking is accomplished through a 2-input NOR gate permitting one input to be used as a CLOCK INHIBIT function. Data transfer occurs on the positive going edge of the clock. Parallel loading is inhibited as long as the SHIFT/LOAD input is high. When taken low, data at the parallel inputs is loaded directly into the register independent of the state of the clock.

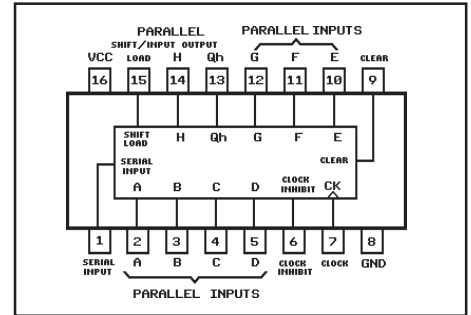
N°d'art.	Prix 1...	25...
31051	74HC165	0.70
93165	74HC165 / SMD-SO16	0.40
91739	74HCT165	0.60



74166 8-Bit Shift Register

The 166 is a 8-bit shift register with an output from the last stage. data may be loaded into the register in either parallel or serial form. When the shift/load input is low, the data is loaded asynchronously in parallel. When it is high, the data is loaded serially on the rising edge of either clock1 or clock2. Clear is asynchronous and active-low. Clocking is accomplished through a 2-Input NOR gate permitting one input to be used as a clock inhibit function.

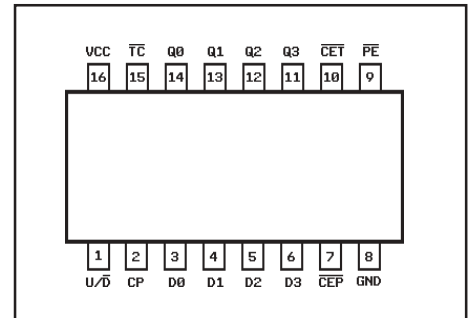
N°d'art.		Prix 1...	25...
91610	74HC166	0.65	0.50
91740	74HCT166	0.80	0.60
91611	74LS166	0.60	0.50



74169 4-Bit Bidirectional Counter

The '169' is a synchronous, presettable 4-bit binary up/down counter featuring an internal carry look-ahead for applications in high-speed counting designs. Synchronous operation is provided by having all flip-flops clocked simultaneously so that the outputs change coincident with each other when so instructed by the Count Enable inputs and internal gating. This mode of operation eliminates the output spikes which are normally associated with asynchronous (ripple clock) counters. A buffered Clock input triggers the flip-flops on the LOW-to-HIGH transition of the clock.

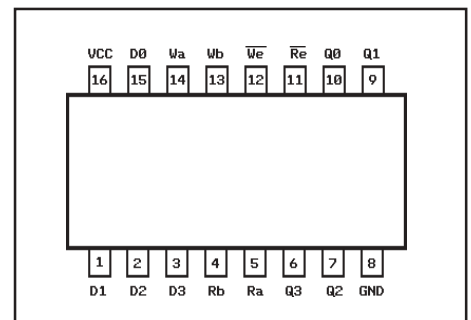
N°d'art.		Prix 1...	25...
31364	74LS169	1.50	1.20



74170 4 x 4 Register File (OC)

This IC contains four 4-bit registers with separate inputs and outputs permitting simultaneous reading and writing of two different registers. It has open collector outputs.

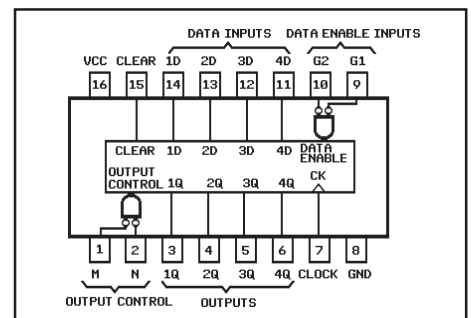
N°d'art.		Prix 1...	25...
31365	74LS170	4.70	4.50



74173 TRI-STATE Quad D Flip-Flop

The '173' consists of four D-Type flip-flops operating synchronously from a common clock and clear. Data, when enabled, are clocked into the four D-type flip-flops on the rising edge of the common clock. When either or both of the output enable controls is high, the outputs are in high-impedance state. The clear feature is asynchronous and active high.

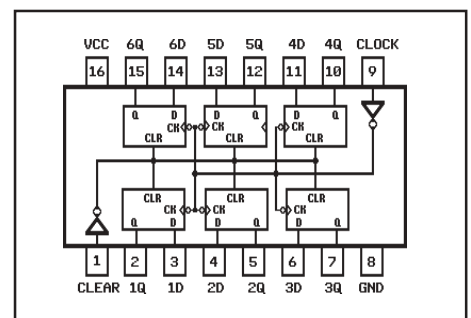
N°d'art.		Prix 1...	25...
31053	74HC173	1.90	1.50
91741	74HCT173	1.30	1.00



74174 Hex D Flip-Flop with Clear

These devices contain six D-type flip-flops with common clock and clear inputs. Data on the D inputs having the specified setup and hold times are transferred to the outputs on the rising edge of the clock pulse. Clear is asynchronous and active-low. The clear input when low, sets all outputs to a low state.

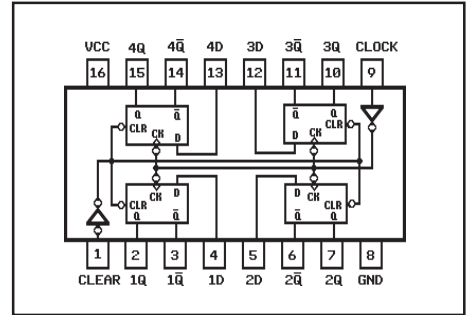
N°d'art.		Prix 1...	25...
31054	74HC174	1.90	1.50
93174	74HC174 / SMD-SO16	0.40	0.30
91742	74HCT174	0.80	0.60



74175 Quad D-Type Flip-Flop with Clear

These devices contain four D-type flip-flops with common clock and clear inputs, and separate data inputs. Information at a data input is transferred to the Q's outputs on the rising edge of the clock pulse. Both true and complementary outputs from each flip-flop are externally available, clear is asynchronous and active-low.

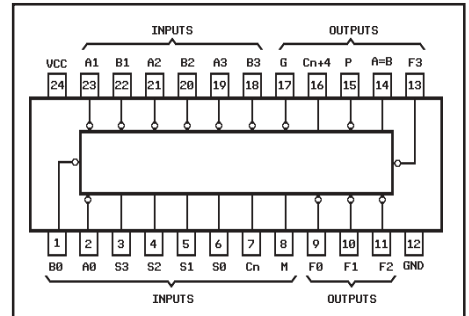
N°d'art.		Prix 1...	25...
31055	74HC175	1.00	0.80
15255*	74HCT175	0.50	0.40
75212*	74LS175	0.50	0.40



74181 Arithmetic Logic Units/Function Generator

The '181' is a 4-bit high-speed parallel Arithmetic Logic Unit (ALU). Controlled by the four Function Select inputs (S0-S3) and the Mode Control Input (M), it can perform all the 16 possible logic operations or 16 different arithmetic operations on active HIGH or active LOW operands.

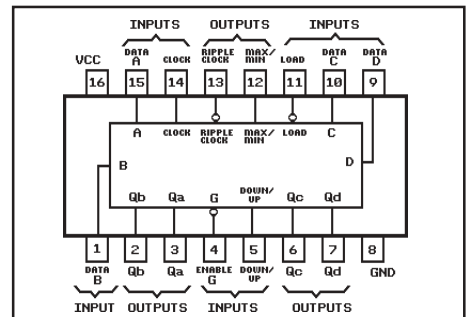
N°d'art.		Prix 1...	25...
31056	74HC181	3.30	2.90
91744	74HCT181	3.00	1.80



74190 Synchronous Decade Up/Down Counter

This counter can be preset by applying the desired value in BCD to the preset inputs and then bringing the load input low. Counting is achieved on the rising edge of the clock when the load input is high, the count enable is low, and the count up/down is either low (Up counting) or high (Down counting). Two outputs have been made available to perform the cascading function: ripple clock and carry out. The ripple clock produces a low level output pulse when the counter overflows or underflows. Ripple clock can be used for cascading and carry out can be used for look-aheading.

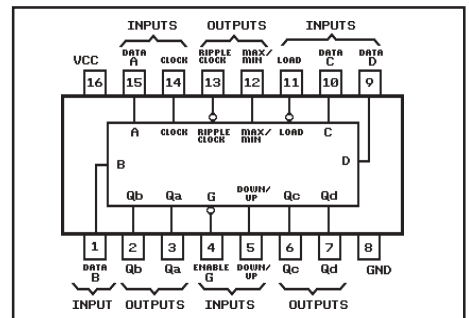
N°d'art.		Prix 1...	25...
31057	74HC190	1.30	1.00
31257*	74HCT190	2.80	2.50



74191 Synchronous Binary Up/Down Counter

This counter can be preset by applying the desired value in BCD to the preset inputs and then bringing the load input low. Counting is achieved on the rising edge of the clock when the load input is high, the count enable is low, and the count up/down is either low (Up counting) or high (Down counting). Two outputs have been made available to perform the cascading function: ripple clock and carry out. The ripple clock produces a low level output pulse when the counter overflows or underflows. Ripple clock can be used for cascading and carry out can be used for look-aheading.

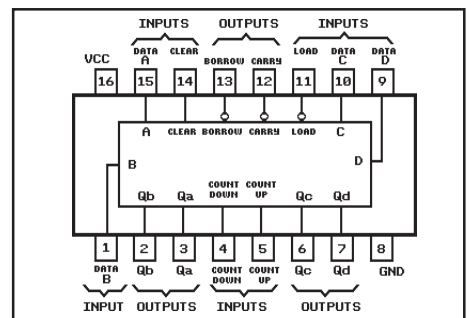
N°d'art.		Prix 1...	25...
84109	74HC191 / SMD-SO16	0.60	0.50
31258*	74HCT191	3.20	2.80



74192 Synchronous Decade Up/Down Counter

These IC's have two separate clock inputs: an up count input and a down count input. It can be preset by applying the desired value in BCD to the preset inputs and then bringing the load input low. Up or down counting is achieved by bringing the load input high and clocking the appropriate clock input. The state of the counter changes on the rising edge of the appropriate clock. All four internal stages can be cleared by putting a high level on the clear input independently of either count input. They can be cascaded by connecting carry and borrow of the last significant counter to clock-up and clock-down respectively, on the next more significant counter.

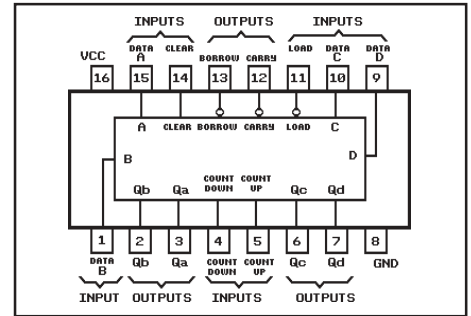
N°d'art.		Prix 1...	25...
75205*	74LS192N	1.30	1.00



74193 Synchronous 4-Bit Binary Up/Down Counter

The '193' has two separate clock, up count and down count inputs. It can be preset by applying the desired value in 4 bit binary to the preset inputs and then bringing the load input low. Up or down counting is achieved by bringing the load input high and clocking the appropriate clock input. The counter state changes on the rising edge of the appropriate clock. All four internal stages can be cleared by putting a high level on the clear input independently of either count input. They can be cascaded as the 74HC192.

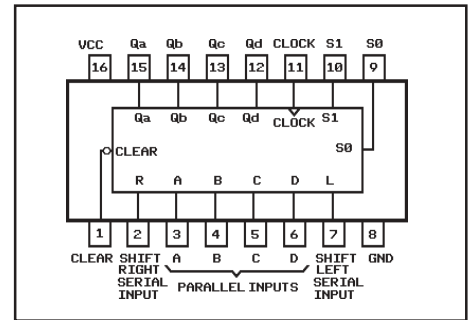
N°d'art.		Prix 1...	25...
75201*	74LS193	0.50	0.40



74194 4-Bit Bidirectional Shift Register

This bidirectional shift register is designed to incorporate virtually all of the features a system designer may want in a shift register. It features parallel inputs, parallel outputs, right shift & left shift serial inputs, operating mode control inputs, and a direct overriding clear line. The register has four distinct modes of operation: Parallel (broadside) Load; Shift Right; Shift Left; Inhibit Clock (do nothing).

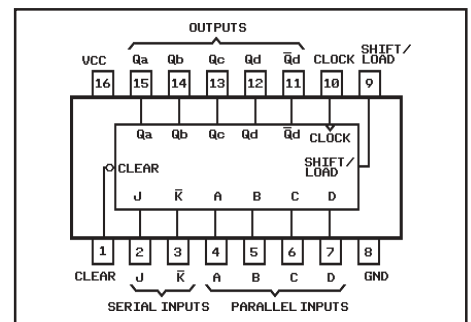
N°d'art.		Prix 1...	25...
91750*	74HCT194	1.50	1.20



74195 4-Bit Parallel Shift Register

This circuits feature parallel inputs, parallel outputs, J-K serial inputs, shift/load control input, and a direct overriding clear. This shift register can operate in two modes: Parallel (broadside) load; Shift Right. Parallel loading is accomplished by applying the four bits of data, and taking the shift/load control input low. Serial shifting occurs synchronously when the shift/load control input is high, where serial data are entered through the J-K inputs.

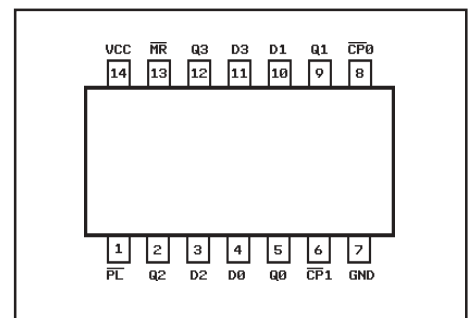
N°d'art.		Prix 1...	25...
91745*	74HCT195	1.50	1.20



74196 Pesebable Decade Counter

The '196' is programmable and arranged as divide-by-2 and divide-by-5 with separate inputs ,outputs and clock. Stage changes are initiated in the counting modes by the HIGH-to-LOW transition of the clock inputs. The Q0 flip-flop is triggered by the CP0 input while the CP1 input triggers the divide-by-8 section. The device contains an asynchronous reset and preset. A low on the Parallel Load input overrides the Clock and loads the data from parallel Data inputs into the flip-flops. The counter acts as a transparent latch while PL is LOW and any change in the Dn inputs will be reflected in the outputs.

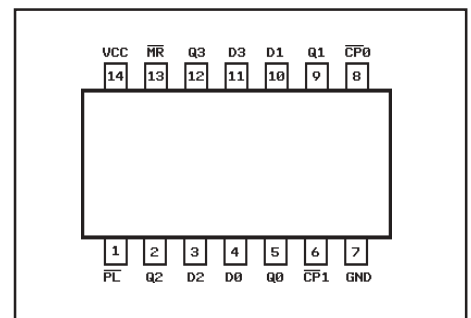
N°d'art.		Prix 1...	25...
31366	74LS196	2.80	2.50



74197 Presettable Binary Counter

The '197' is programmable and arranged as divide-by-2 and divide-by-8 with separate inputs ,outputs and clock. Stage changes are initiated in the counting modes by the HIGH-to-LOW transition of the clock inputs. The Q0 flip-flop is triggered by the CP0 input while the CP1 input triggers the divide-by-8 section. The device contains an asynchronous reset and preset. A low on the Parallel Load input overrides the Clock and loads the data from parallel Data inputs into the flip-flops. The counter acts as a transparent latch while PL is LOW and any change in the Dn inputs will be reflected in the outputs.

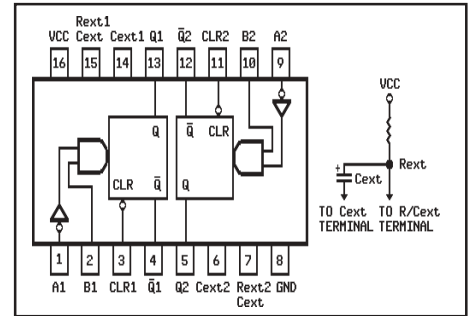
N°d'art.		Prix 1...	25...
31367	74LS197	2.80	2.50



74221 Dual Monostable Multivibrator

On type '221' each multivibrator features both a negative, A, and a positive, B, transition triggered input, either or which can be used as an inhibit input. Also included is a clear input that when taken low resets the one shot. It can be triggered on the positive transition of the clear while A is held low and B high. The '221' is a non-retriggerable, and therefore cannot be retriggered until the output pulse time out. The output pulse equation is simply: $PW=(Rext)(Cext)$; where PW is in seconds, R in ohms and C in farads.

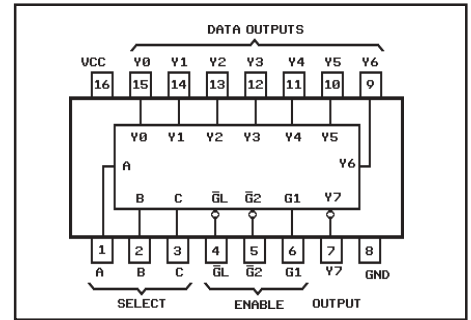
N°d'art.		Prix 1...	25...
31065	74HC221	1.30	1.00
91752	74HCT221	1.40	1.20



74237 3-to-8 Line Decoder with Address Latches

This device implement a 3-to-8 line decoder with latches on the three address inputs. When GL goes from low to high, the address present at the select inputs (A,B,C) is stored in the latches. As long as GL remain high no address changes will be recognized. Output enable controls, G1 and G2, control the state of the outputs independently of the select or latch-enable inputs. All outputs are low unless G1 is high and G2 is low. The '237' is ideally suited for the implementation of glitch-free decoders in stored-address applications in bus oriented systems.

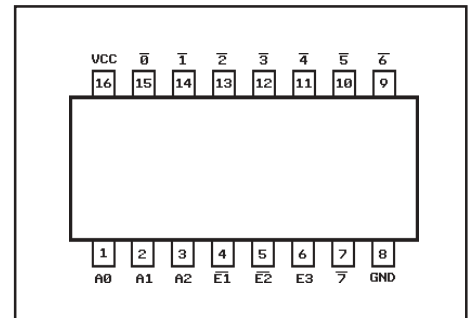
N°d'art.		Prix 1...	25...
31066	74HC237	1.50	1.10



74238 3-to-8 Line Decoder

These decoders are well suited to memory address decoding or data routing applications. Each device has 3 binary select (A,B,C), and decodes a 3-bit address to 1-of-8 active high outputs. They features three chip enable inputs. Two active low and one active high to facilitate the demultiplexing, cascading, and chip selecting functions.

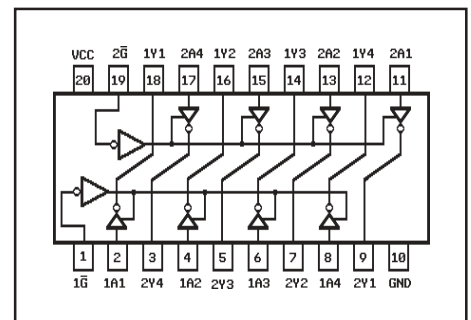
N°d'art.		Prix 1...	25...
91613	74HC238	1.60	1.20
84117	74HC238 / SMD-SO16	0.50	0.40
91753*	74HCT238	0.50	0.40



74240 Inverting Octal TRI-STATE Buffer

These devices contain 8 inverting buffers with two active low enables. Each enable independently controls 4 buffers. These octal inverting buffers/line drivers/line receivers are designed to be used with 3-state memory address drivers, clock drivers, and other bus-oriented systems.

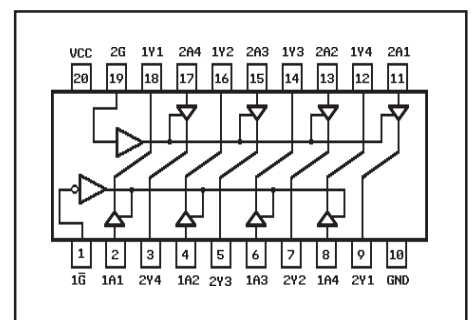
N°d'art.		Prix 1...	25...
31067	74HC240	1.80	1.50
31267	74HCT240	0.40	0.30



74241 Octal TRI-STATE Buffer

These devices contain 8 non-inverting buffers with one active-low and one active-high enable. Each enable independently controls 4 buffers. These octal non-inverting buffers/line drivers/line receivers are designed to be used with 3-state memory address drivers, clock drivers, and other bus-oriented systems.

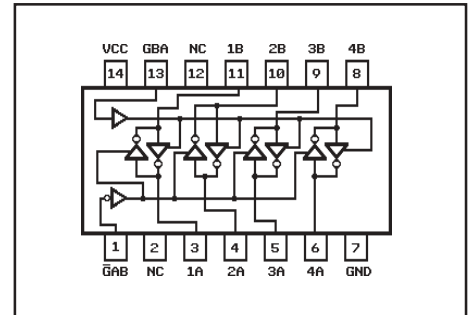
N°d'art.		Prix 1...	25...
31068	74HC241	1.80	1.50
31268*	74HCT241	2.50	2.10



74242 Inverting Quad TRI-STATE Transceiver

These devices consist of four transceivers with inverting outputs, which are designed for asynchronous two-way communications between data buses. Each device has one active-low and one active-high enable. The states of the enables determine both the direction of the data flow (from A to B or from B to A) and the modes of the data ports (Input, Output, High-impedance).

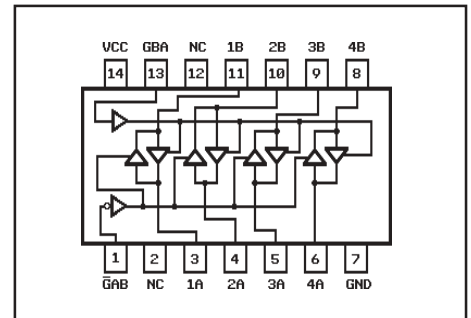
N°d'art.		Prix 1...	25...
31069	74HC242	1.80	1.50
91755	74HCT242	1.50	1.20



74243 Quad TRI-STATE Transceiver

These devices consist of four transceivers with non-inverting outputs, which are designed for asynchronous two-way communications between data buses. Each device has one active-low and one active-high enable. The states of the enables determine both the direction of the data flow (from A to B or from B to A) and the modes of the data ports (Input, Output, High-impedance).

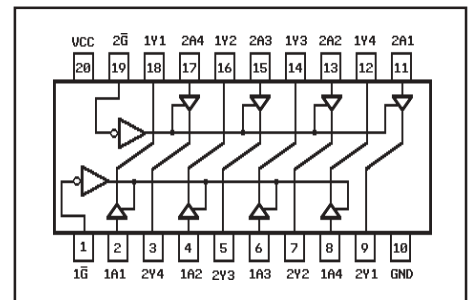
N°d'art.		Prix 1...	25...
31070	74HC243	1.80	1.50
91756	74HCT243	1.50	1.20



74244 8/16 Bit TRI-STATE Buffer

These devices contain 8 non-inverting buffers with two active low enables. Each enable independently controls 4 buffers. These octal inverting buffers/line drivers/line receivers are designed to be used with 3-state memory address drivers, clock drivers, and other bus-oriented systems.

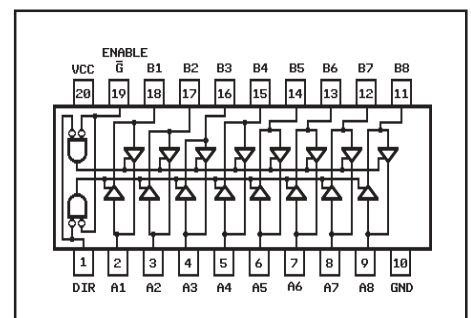
N°d'art.			Prix 1...	25...
31071	74HC244	8bit	1.80	1.50
93244	74HC244 / SMD-SO20W	8bit	0.40	0.30
F0186*	74BCT244 / SMD-SO20W	8bit	3.20	2.90
F0164	74ACT16244 / SMD-SSOP48	16bit	2.50	2.10



74245 8/16 Bit TRI-STATE Transceiver

These devices consist of 8 transceivers which are designed for asynchronous two-way communications between data buses. Each device has non-inverting outputs, and has an active-low output enable which is used to place the I/O ports into high-impedance states. The direction control determines the directions of data flow. When it is high, data flow from A to B; when it is low, data flow from B to A.

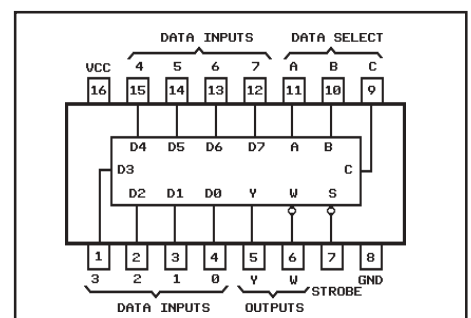
N°d'art.			Prix 1...	25...
F0146	74ABT245 / SMD-SO2W	8bit	0.70	0.50
31072	74HC245	8bit	1.80	1.50
93245	74HC245 / SMD-SO20W	8bit	0.55	0.45
31272*	74HCT245	8bit	2.50	2.10
73032*	74HCT245 / SMD-SO20W	8bit	0.45	0.30
86312*	74LS245	8bit	0.70	0.50
F0161*	74ABT16245 / SMD-SSOP48	16bit	1.90	1.70
F0182*	74ACT16245 / SMD-SSOP48	16bit	1.90	1.70



74251 8-Channel TRI-STATE Multiplexer

The '251' selects one of the 8 data sources, depending on the address presented on the A, B, and C inputs. It features both true (Y) and complement (W) outputs. The STROBE input must be at a low logic level to enable this multiplexer. A high logic level at the STROBE forces the outputs to the high impedance state. The '251' is similar in function to the '151' which do not have 3-state outputs.

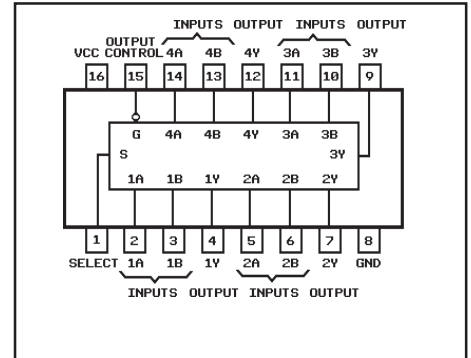
N°d'art.		Prix 1...	25...
31075	74HC251	2.50	2.00
31275	74HCT251	3.30	3.00



74257 Quad 2-Channel TRI-STATE Multiplexer

The large output drive capability coupled with the 3-state feature make this device ideal for interfacing with bus lines in a bus organized system. When the OUTPUT CONTROL input line is take high, the outputs of all four multiplexers are sent into a high impedance state. When the OUTPUT CONTROL line is low, the SELECT input chooses whether the A or B input is used.

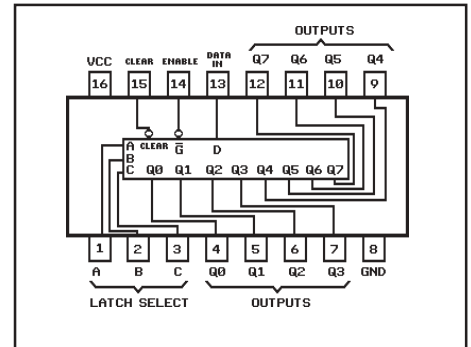
N°d'art.		Prix 1...	25...
31077	74HC257	2.50	2.00
93257	74HC257 / SMD - SO16	0.70	0.50
91760*	74HCT257	0.80	0.60



74259 8-Bit Addressable Latch/3-to-8 Line Decoder

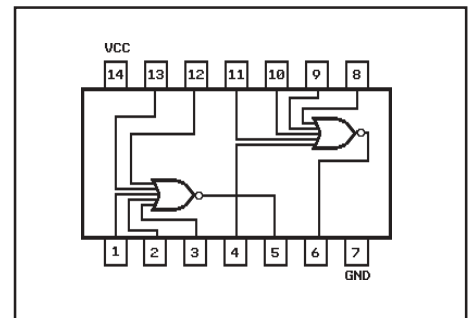
This 8-bit addressable latch can perform 4 basic functions in the addressable latch mode, data is read into the addressed stage of the latch. In the memory mode, the latch contents are stored regardless of any other inputs. In the 8-line decoder mode, data flows through to the addressed output. And in the clear mode, all stages are cleared to the low state. To eliminate the possibility of entering erroneous data into the latches, the enable should be held high (inactive) while the address lines are changing.

N°d'art.		Prix 1...	25...
31078	74HC259	0.80	0.50
91762*	74HCT259	0.80	0.60



74260 Dual 5-Input NOR Gate

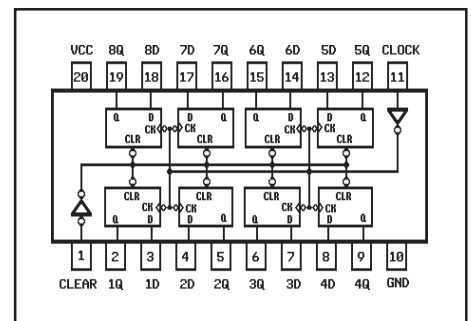
N°d'art.		Prix 1...	25...
91604	74LS260	1.10	1.00



74273 Octal D Flip-Flop with Clear

The '273' consist of 8 master/slave D-type flip-flops with a common clock and clear. Data on the D input having the specified setup and hold times is transferred to the Q output on the rising of the clock input. The clear input when low, sets all outputs to a low state.

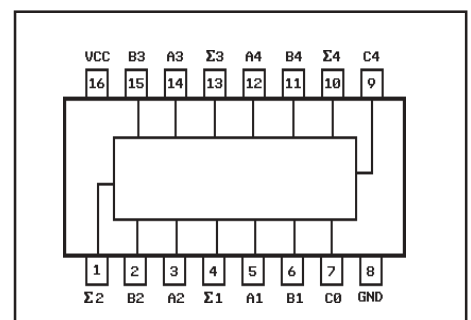
N°d'art.		Prix 1...	25...
31080	74HC273	1.00	0.70
93273	74HC273 / SMD-SO20W	0.60	0.50
31280*	74HCT273	0.60	0.40



74283 4-Bit Binary Adder with Fast Carry

This full adder performs the addition of two 4-bit binary numbers. The sum outputs are provided for each bit and the resultant carry (C4) is obtained from the fourth bit. These adders feature full internal look ahead across all four bits. This provide the system designer with partial look-ahead performance at the economy and reduced package count of a ripple-carry implementation. The adder logic, including the carry, is implemented in its true form meaning that the end-around carry can be accomplished without the need for logic or level inversion.

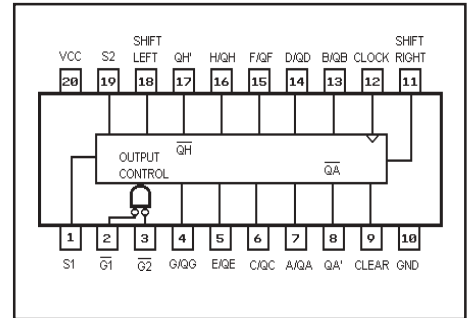
N°d'art.		Prix 1...	25...
31081	74HC283	2.80	2.50
91764*	74HCT283	1.10	0.80



74299 8-Bit Tri-State Universal Shift Register

The 74AHC299 is a 8-bit TRI-STATE shift/storage. It features multiplexed inputs/outputs to achieve full 8-bit data handling. Two function select inputs and two output control inputs are used to choose the mode of operation. Synchronous parallel loading is accomplished by taking both function select lines S1 and S2 high. This places the TRI-STATE outputs in a high impedance state, which permits data applied to the input/output lines to be clocked into the register. Reading out of the register can be done while the outputs are enabled in any mode. A direct overriding CLEAR input is provided to clear the register whether the outputs are enabled or disabled.

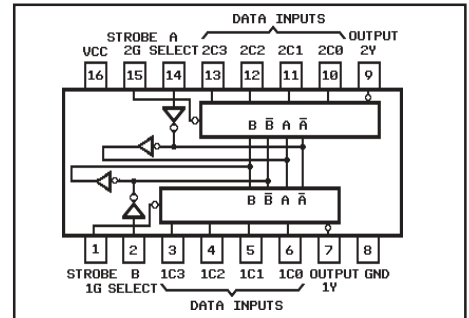
N°d'art.		Prix 1...	25...
31082	74ACT299	0.80	0.50
F0166	74HC299 / SMD-SO20W	0.70	0.50



74352 Dual 4-Line to 1-Line Multiplexer

The 'LS352' is a dual 4-input multiplexer that can select 2 bits of data from up to eight sources under control of the common Select inputs (pins 2 & 14). The two 4-input multiplexer circuits have individual active LOW Enables (pins 1 & 15) which can be used to strobe the outputs independently. Outputs (pins 7 & 9) are forced HIGH when the corresponding Enables are HIGH.

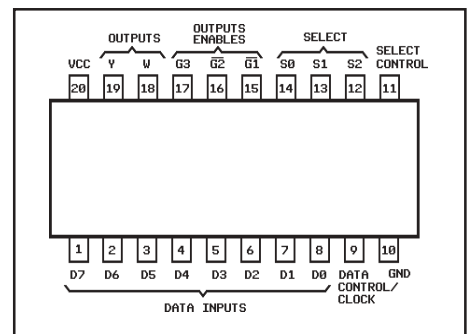
N°d'art.		Prix 1...	25...
31384	74LS352	3.10	2.80



74354 8-Line to 1-Line Multiplexer with Latches

The '354' contains full on-chip binary decoding to select one of eight data sources, determined by the address inputs. The data select address is stored in transparent latches that are enabled by a low level on pin 11. Data on the 8 input lines is stored in a parallel input/output register which is composed of 8 transparent latches enabled by a low level on pin 9. Both true (Y) and complementary (W) TRI-STATE outputs are available.

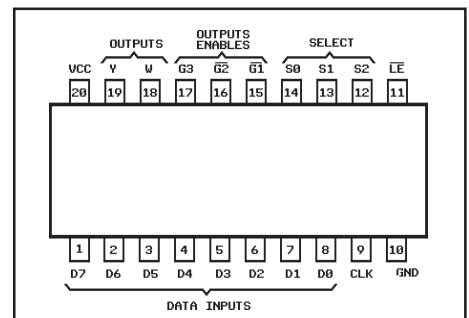
N°d'art.		Prix 1...	25...
31084	74HC354	1.90	1.70
91765	74HCT354	0.50	0.40



74356 8-Line to 1-Line Multiplexer with Latches

The '354' contains full on-chip binary decoding to select one of eight data sources, determined by the address inputs. The data select address is stored in transparent latches that are enabled by a low level on pin 11. Data on the 8 input lines is stored in a parallel input/output register which is composed of 8 edge-triggered flip-flops, clocked by a low to high transition on pin 9. Both true (Y) and complementary (W) TRI-STATE outputs are available.

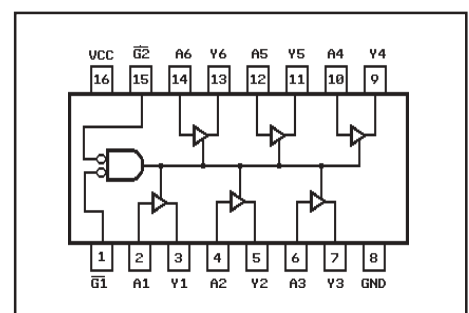
N°d'art.		Prix 1...	25...
31085	74HC356	2.50	2.00
91767	74HCT356	1.90	1.60



74365 Hex 3-State Non-Inverting Buffer

These devices have high drive current which enable high speed operation even when driving large bus capacitance. The '365' has non-inverting outputs and two 3-state control inputs which are NORed together to control all 6 gates.

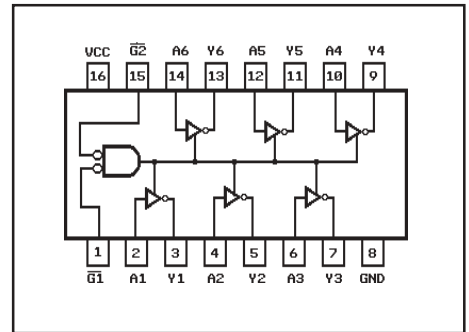
N°d'art.		Prix 1...	25...
31086	74HC365	1.50	1.00
91770	74HCT365	1.00	0.80
31979	74LS365	1.20	1.10



74366 Hex 3-State Inverting Buffer

These devices have high drive current which enable high speed operation even when driving large bus capacitance. The '366' has inverting outputs and two 3-state control inputs which are NORed together to control all 6 gates.

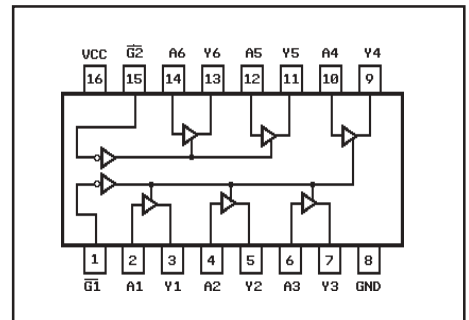
N°d'art.		Prix 1...	25...
31087	74HC366	2.50	2.00
91771	74HCT366	1.00	0.80



74367 Hex 3-State Non-Inverting Buffer

These devices have high drive current which enable high speed operation even when driving large bus capacitance. The '367' has noninverting outputs and two output enables, where one enable controls 4 gates and the other controls the remaining 2 gates.

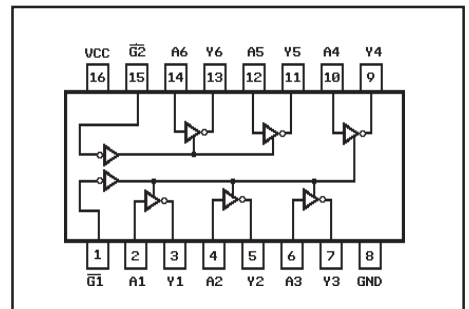
N°d'art.		Prix 1...	25...
31088	74HC367	2.50	2.00
93367	74HC367 / SMD	0.55	0.45
91772*	74HCT367	0.90	0.70
75206*	74LS367	0.80	0.60



74368 Hex 3-State Inverting Buffer

These devices have high drive current which enable high speed operation even when driving large bus capacitance. The '368' has inverting outputs and two output enables, where one enable controls 4 gates and the other controls the remaining 2 gates.

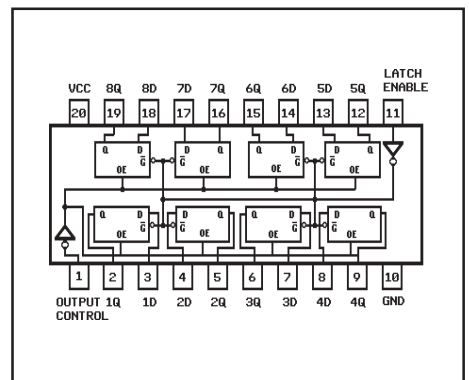
N°d'art.		Prix 1...	25...
31089	74HC368	2.50	2.00
91773	74HCT368	0.90	0.70



74373 TRI-STATE 8/16 Bit D-Type Latch

The '373' is a Octal 3-State Noninverting D-Type transparent Latches. When the LATCH ENABLE input is high, The Q outputs will follow the D inputs. When the LATCH ENABLE goes low, data at the D inputs will be retained at the outputs until LATCH ENABLE returns high again. When a high logic level is applied to the OUTPUT CONTROL input, all outputs go to a high impedance state, regardless of what signals are present at the other inputs and the state of the storage elements.

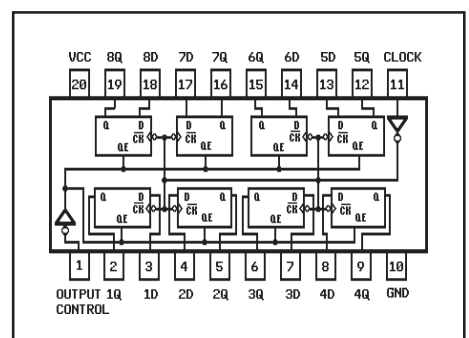
N°d'art.			Prix 1...	25...
31090	74HC373	8bit	2.50	2.00
93373	74HC373 / SMD-SO20W	8bit	0.50	0.40
31290*	74HCT373	8bit	0.40	0.30
75200*	74LS373	8bit	0.30	0.20
F0147*	74ABT16373 / SMD-SSOP48	16bit	1.80	1.50
F0183*	74ACT16373 / SMD-SSOP48	16bit	2.50	2.10



74374 TRI-STATE 8/16 Bit D-Type Flip-Flop

The '374' is a Octal 3-State Noninverting D-Type edge positive triggered Flip-Flops. Data at the D inputs, meeting the setup and hold time requirements, are transferred to the Q outputs on positive going transition of the CLOCK input. When a high logic level is applied to the OUTPUT CONTROL input, all outputs go to a high impedance state, regardless of what signals are present at the other inputs and the state of the storage elements.

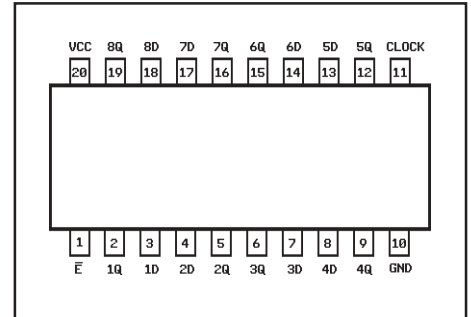
N°d'art.			Prix 1...	25...
31091	74HC374	8bit	2.50	2.00
93374	74HC374 / SMD-SO20W	8bit	0.50	0.40
31291	74HCT374	8bit	0.40	0.30
74602	74HCT374 / SMD-SO20W	8bit	0.40	0.30
F0171*	74ACT16374 / SMD-SSOP48	16bit	1.90	1.50



74377 Octal D-Type Flip-Flop

This device contains 8 master/slave D-type flip-flops with a common clock and enable. Information at the data inputs meeting the setup and hold time requirements is transferred to the outputs on the rising edge of the clock pulse if the enable input is low. When the clock input is at either the high or low level, the data input signals has no effect at the output. This circuit is designed to prevent false clocking by transitions at the enable input.

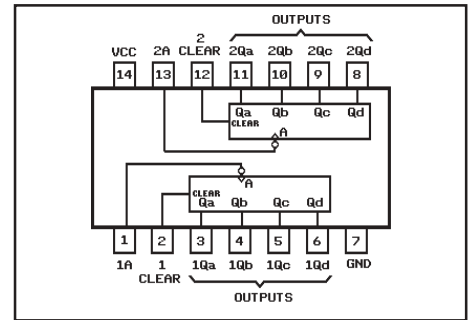
N°d'art.		Prix 1...	25...
16150	74HC377	1.90	1.50
84113	74HC377 / SMD-SO20W	0.50	0.40
91775*	74HCT377	1.00	0.80



74393 Dual 4-Bit Binary Counter

These devices consist two independent 4-bit binary ripple counters with parallel outputs from each stage counter. A divide-by-256 can be obtained by cascading the two binary counters. Each of the two 4-bit counter are incremented on the falling edge of the clock, and each has an independent clear input. When the clear is set high all four bits of each counter are set to a low level. This enables count truncation and allows the implementation of divide-by-N counter configurations.

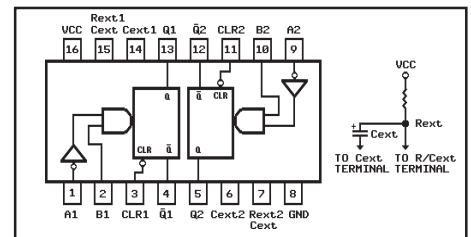
N°d'art.		Prix 1...	25...
31093	74HC393	1.90	1.50
93393	74HC393 / SMD-SO14	0.50	0.40
91777*	74HCT393	0.90	0.70



74423 Dual Retriggerable Monostable Multivibrator With Reset

The «423» is identical to the «123» but cannot be triggered via the reset input.

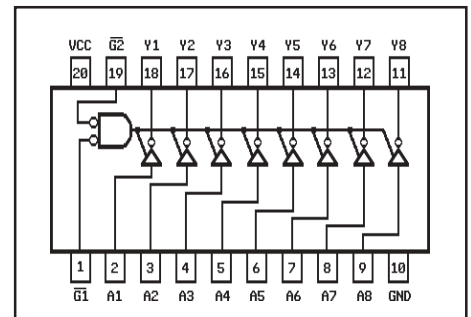
N°d'art.		Prix 1...	25...
F0169	74HC423 / SMD-SO16	0.70	0.50



74540 Octal Inverting 3-State Buffer

These eight inverting buffers feature two NORed active-low output enables, inverting 3-state outputs, and inputs and outputs on opposite sides of the package. These octal inverting buffers/line drivers/line receivers are designed to be used with 3-state memory address drivers, clock drivers, and other bus-oriented systems. The '540' is similar in function to the '541' which has noninverting outputs.

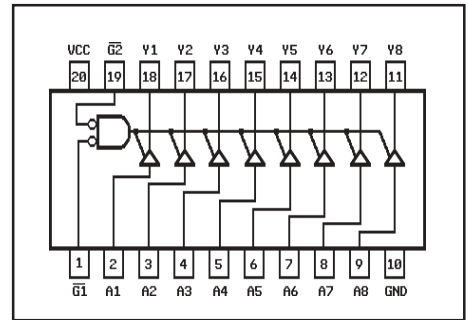
N°d'art.		Prix 1...	25...
31100	74HC540	1.60	1.30
93540	74HC540 / SMD-SO20W	0.60	0.50
31300*	74HCT540	0.50	0.40
93542	74HCT540 / SMD-SO20W	0.60	0.40



74541 Octal Non-Inverting 3-State Buffer

These eight noninverting buffers feature two NORed active-low output enables, inverting 3-state outputs, and inputs and outputs on opposite sides of the package. These octal noninverting buffers/line drivers/line receivers are designed to be used with 3-state memory address drivers, clock drivers, and other bus-oriented systems. The '541' is similar in function to the '540' which has inverted outputs.

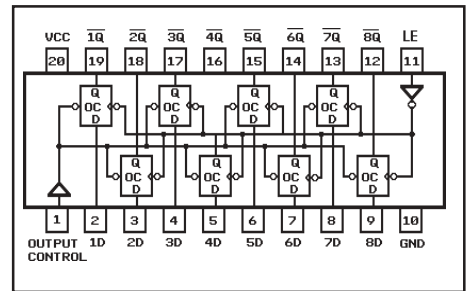
N°d'art.		Prix 1...	25...
F0184*	74ABT541 / SMD-SO20W	1.80	1.50
31101	74HC541	1.90	1.50
93541	74HC541 / SMD-SO20W	0.40	0.30
31301	74HCT541	0.50	0.40
93543	74HCT541 / SMD-SO20W	0.40	0.30



74563 Octal Transparent D-Latches (with 3-state outputs)

When the latch enable (LE) input is high, the Q outputs of HD74HC563 will follow the inversion of the D inputs. When the latch enable goes low, data at the D inputs will be retained at the outputs until latch enable returns high again. When a high logic level is applied to the output control input, all outputs go to a high impedance state, regardless of what signals are present at the other inputs and the state of the storage elements.

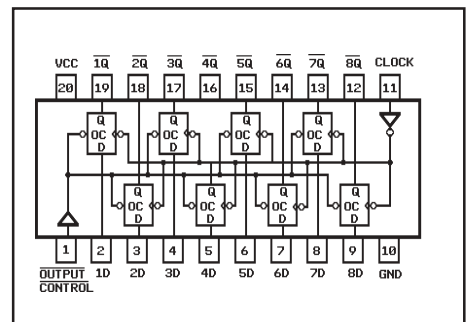
N°d'art.		Prix 1...	25...
F0163	74HC563 / SMD-SO20W	1.20	0.90



74564 Octal D-Flip-Flop 3-State with Inverted Outputs

This device is positive edge triggered flip-flops. Data at the D inputs, meeting the setup and hold time requirements, are transferred to the Q outputs on positive going transitions of the CLOCK input. When a high logic level is applied to the OUTPUT CONTROL input, all outputs go to a high impedance state, regardless of what signals are present at the other inputs and the state of the storage elements.

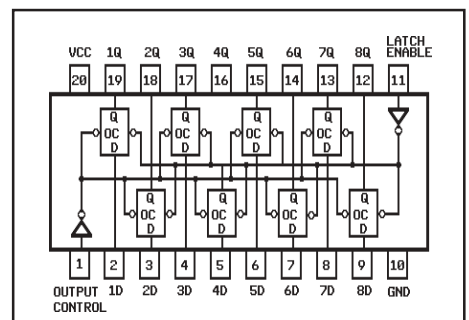
N°d'art.		Prix 1...	25...
74549	74HC564	1.90	1.50
93564	74HC564 / SMD-SO20W	0.80	0.50
93565	74HCT564 / SMD-SO20W	1.70	1.40



74573 Octal 3-State Non-Inverting D-Type Latches

This device contains eight D-type latches, one latch enable, and one output control. These latches appear transparent to data, i.e., the outputs change asynchronously, when latch enable is high. When latch enable goes low, data meeting the setup time becomes latched. The output enable input does not affect the state of the latches when it is low. But when it is high, all outputs go to the high impedance state, regardless of what signals are present at the other inputs and the state of the storage elements.

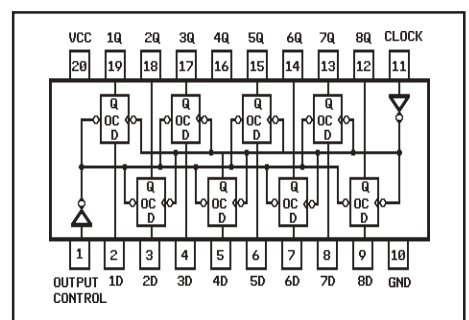
N°d'art.		Prix 1...	25...
31102	74HC573	0.60	0.50
93573	74HC573 / SMD-SO20W	0.50	0.40
91779*	74HCT573	0.25	0.15
91778*	74HCT573 / SMD-SO20W	0.40	0.30



74574 Octal 3-State Non-Inverting D-Type Flip-Flop

The '574' contains eight D-type master/slave flip-flops with a common clock and clear. Data meeting the setup and hold time requirements, are transferred to the 3-state outputs on the rising edge of the clock pulse. The output enable input does not affect the states of the flip-flops, but when output enable is high, the outputs are forced to the high impedance state. Data may thus be stored even which the device is not selected.

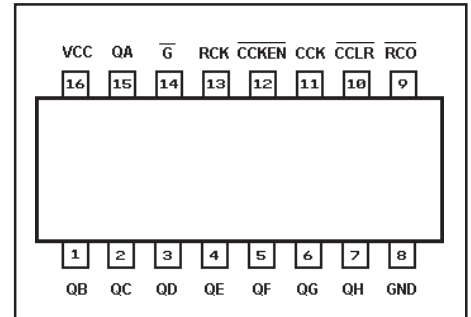
N°d'art.		Prix 1...	25...
73044*	74AC574 / SMD-SO20W	0.55	0.45
F0185*	74ACT574 / SMD-SO20W	1.00	0.80
31103	74HC574	0.60	0.50
93574	74HC574DW / SMD-SO20W	0.50	0.40
91780*	74HCT574	0.30	0.20
93575	74HCT574DW / SMD-SO20W	0.50	0.40



74590 Octal 3-State Binary Counter Register

This device contains an 8-bit binary counter that feeds an 8-bit storage register. The storage register has parallel outputs. Separate clocks are provided for both the binary counter and storage register. The binary counter features a direct clear input CCLR and a count enable input CCKEN. For cascading, a ripple carry output RCO is provided. Expansion is easily accomplished by tying RCO of the first stage to CCKEN of the second stage, etc. Both the counter and register clocks are positive-edge triggered. If the user wishes to connect both clocks together, the counter state will always be one count ahead of the register. Internal circuitry prevents clocking from the clock enable.

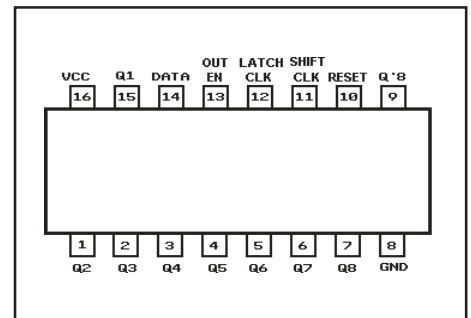
N°d'art.		Prix 1...	25...
75231	74HC590	0.60	0.50
F0148	74HC590 / SMD-SO16W	0.60	0.45



74595 8-Bit Shift Registers with Output Latches

This device contains an 8-bit serial-in, parallel-out shift register that feeds an 8-bit D-type storage register. The storage register has 8 TRI-STATE outputs. Separate clocks are provided for both the shift register and the storage register. The shift register has a direct overriding clear, serial input, and serial output pins for cascading. Both the shift register and storage register use positive-edge triggered clocks. If both clocks are connected together, the shift register state will always be one clock pulse ahead of the storage register.

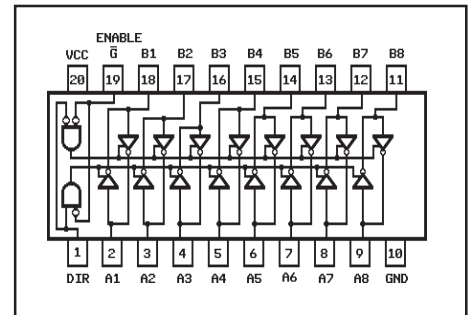
N°d'art.		Prix 1...	25...
93596	74HC595 / DIL-16	0.65	0.55
93595	74HC595 / SMD-SO16	0.45	0.35



74640 Octal Inverting 3-State Transceiver

These devices consist of 8 transceivers which are designed for asynchronous two-way communications between data buses. Each device has inverting outputs, and has an active-low output enable which is used to place the I/O ports into high-impedance states. The direction control determines the directions of data flow. When it is high, data flow from A to B; when it is low, data flow from B to A.

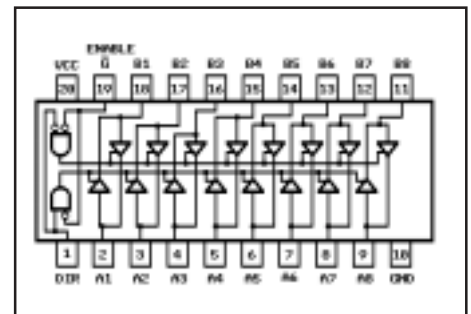
N°d'art.		Prix 1...	25...
31106	74HC640	1.90	1.50
93640	74HC640 / SMD-SO20W	1.40	1.10
31306	74HCT640	2.90	2.50
93642	74HCT640 / SMD-SO20W	2.60	2.10



74645 Octal 3-State Transceiver

These devices consist of 8 transceivers which are designed for asynchronous two-way communications between data buses. Each device has an active-low output enable which is used to place the I/O ports into high-impedance states. The direction control determines the directions of data flow. When it is high, data flow from A to B; when it is low, data flow from B to A.

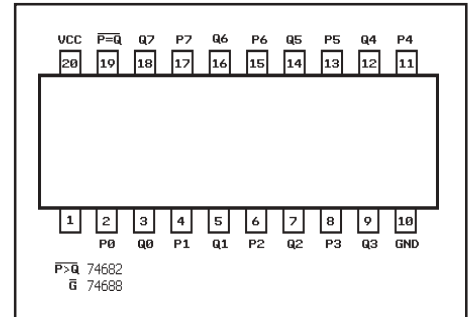
N°d'art.		Prix 1...	25...
75232	74HC645	1.80	1.60
75235	74HC645 / SMD-SO20W	1.80	1.60



74682 / 74688 8-Bit Magnitude Comparator

The '688' compares two 8-bit binary of BCD words and indicates whether or not they are equal. The comparator output indicates equality when it is low. a single active low enable is provided to facilitate cascading of several packages and enable comparison of words greater than 8 bits. This device is useful in memory block decoding applications, where memory block enable signals must be generated from computer address information.

N°d'art.		Prix 1...	25...
75223	74LS682	2.90	2.50
31109	74HC688	1.40	1.00
93688	74HC688 / SMD SO-20W	0.65	0.50

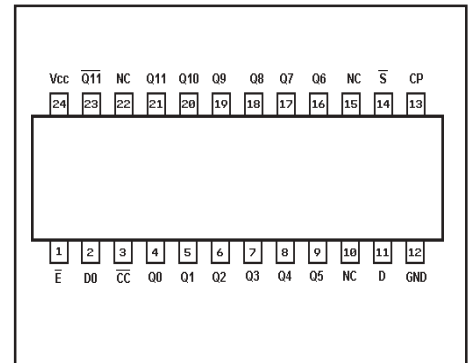


74905 12-Bit Succ. Appr. Register

The MM54C905/MM74C905 CMOS 12-bit successive approximation register contains all the digit control and storage necessary for successive approximation analog-to-digital conversion. Because of the unique capability of CMOS to switch to each supply rail without any offset voltage, it can also be used in digital systems as the control and storage element in repetitive routines.

Features: Voltage range 3.0V to 15V. Guaranteed noise margin 1.0V. High noise immunity 0.45V_{CC} typ. Low power TTL compatibility fan out of 2 driving 74L. Provision for register extension or truncation Operates in START/STOP or continuous conversion mode. Drive ladder switches directly. For 10 bits or less with 50k/100k R/2R ladder network

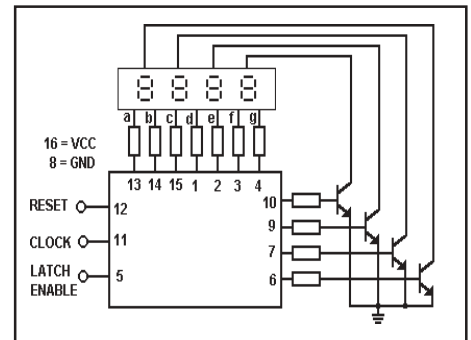
N°d'art.		Prix 1...	25...
50070	MM74C905	18.00	15.00



74925 4-Digit Counters with Multiplexed 7-Segment Output

This CMOS counter consist of a 4-digit counter, an internal output latch, NPN output sourcing drivers for a 7-segment display, and an internal multiplexing circuitry with four multiplexing outputs. The multiplexing circuit has its own free-running oscillator, and requires no external clock. The counters advance on negative edge of clock. A high signal on the Reset input will reset the counter to zero. A high signal on the Latch Enable input will latch the number in the counters into the internal output latches. Supply voltage range 3V to 6V. Segment sourcing current 40 mA.

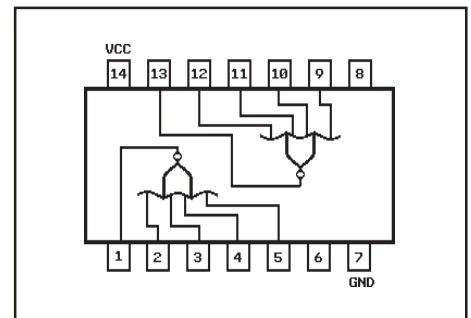
N°d'art.		Prix 1...	25...
50071*	MM74C925	32.00	28.00



744002 Dual 4-Input NOR Gate

This logic element provides the positive input NOR function. It is functionally equivalent and pin-out compatible with the '4002B'.

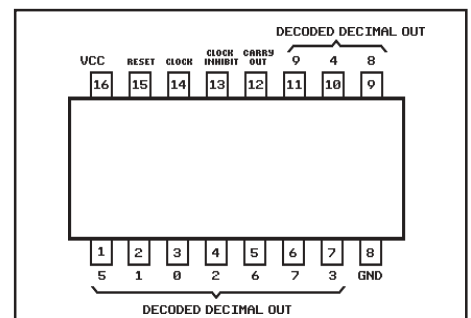
N°d'art.		Prix 1...	25...
31115	74HC4002	0.70	0.50
91782	74HCT4002	0.60	0.40



744017 Decade Counter/Divider

This IC is a 5-stage divide-by-10 Johnson counter with 10 decoded outputs and a carry out bit. Each of the decoded outputs is normally low and sequentially goes high on the low to high transition of the clock input. Each output stays high for one clock period of the 10 clock cycle. The carry output transitions low to high after output 10 goes low, and can be used in conjunction with the clock enable to cascade several stages. The clock enable input disables counting when in the high state. RESET when taken high sets all outputs low except output 0.

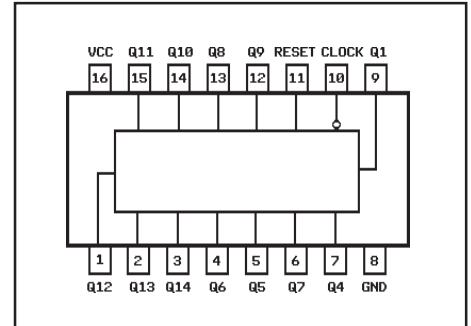
N°d'art.		Prix 1...	25...
31117	74HC4017	1.60	1.10



744020 14-Stage Binary Counter

The '4020' is a 14-stage ripple carry binary counter. The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock.

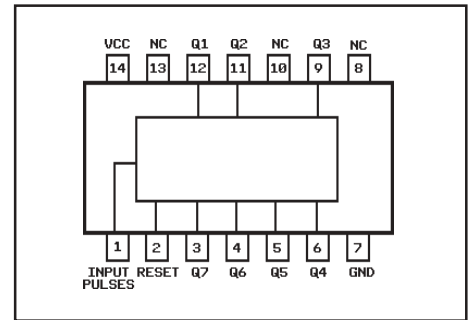
N°d'art.		Prix 1...	25...
91785	74HCT4020	1.00	0.80



744024 7-Stage Binary Counter

The '4024' is a 7-stage ripple carry binary counter. Buffered outputs are externally available from stage 1 through 7. The counter is reset to its logical "0" stage by a logical "1" on the reset input. The counter is advanced one count on the negative transition of each clock pulse.

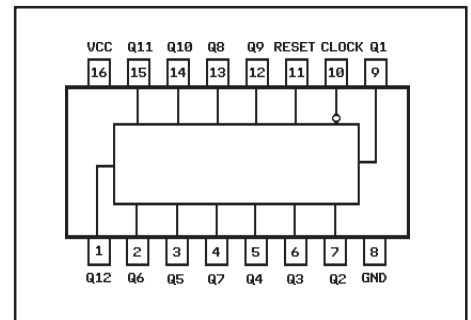
N°d'art.		Prix 1...	25...
91635	74HC4024	1.90	1.50
91786	74HCT4024	1.30	1.00



744040 12-Stage Binary Counter

The '4040' is a 12-stage ripple carry binary counter. The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock.

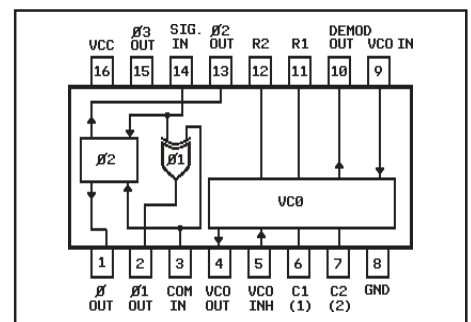
N°d'art.		Prix 1...	25...
31119	74HC4040	1.20	0.90
84116	74HC4040 / SMD-SO16	0.60	0.50
91787	74HCT4040	0.80	0.60



744046 Phase Locked Loop

The '4046' micropower phase-locked loop (PLL) consists of a low power, linear, voltage-controlled oscillator (VCO), a source follower, and three phase comparators. The three phase comparators have a common signal input and a common comparator input. The signal input has a self biasing amplifier allowing signals to be either capacitively coupled with standard input logic levels. These devices are similar to the 4046B except that the Zener diode of the metal CMOS device has been replaced with a third phase comparator.

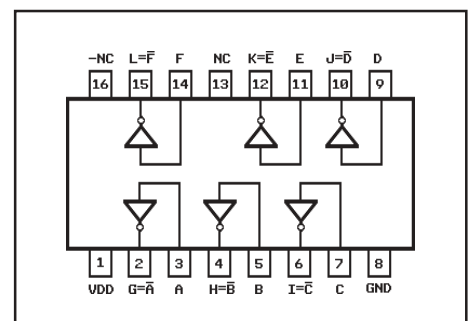
N°d'art.		Prix 1...	25...
91637	74HC4046	1.80	1.50
91788	74HCT4046	1.20	0.90



744049 Hex Inverting Logic Level Down Converter

These device have a modified input protection structure that enables these parts to be used as logic level translators which will convert high level logic to a low level logic while operating from the low logic supply. For example, 0-15V CMOS logic can be converted to 0-5V logic when using a 5V supply. In addition each part can be used as a simple buffer inverter without level translation.

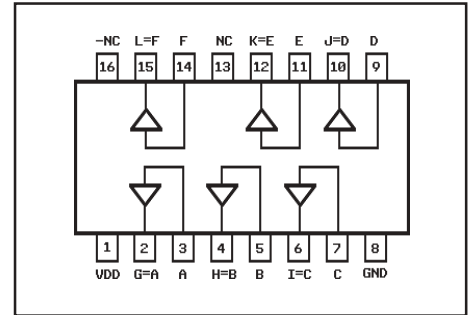
N°d'art.		Prix 1...	25...
91639	74HC4049	1.80	1.50



744050 Hex Logic Level Down Converter

These device have a modified input protection structure that enables these parts to be used as logic level translators which will convert high level logic to a low level logic while operating from the low logic supply. For example, 0-15V CMOS logic can be converted to 0-5V logic when using a 5V supply. In addition each part can be used as a simple buffer noninverting without level translation.

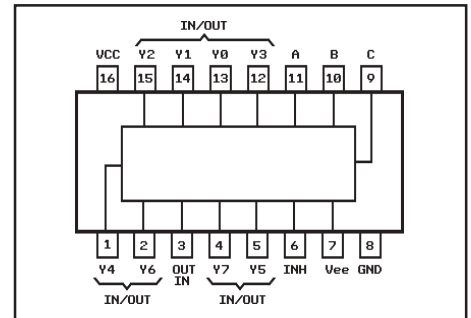
N°d'art.		Prix 1...	25...
31121	74HC4050	1.60	1.20
31122	74HC4050 / SMD-SO16	0.40	0.30



744051 8-Channel Analog Multiplexer

A bi-directional 8-way switch where any one of 8 signals will be connected to a common pin depending on the code on the three control pins. No switch is made if the inhibit pin is high. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/ Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V

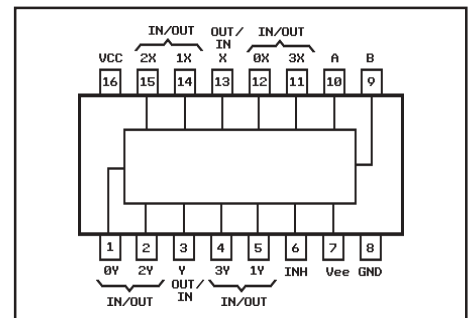
N°d'art.		Prix 1...	25...
91646	74HC4051	1.80	1.50
91791	74HCT4051	0.90	0.70



744052 Dual 4-Channel Analog Multiplexer

Two separated bi-directional 4-way switches where any one of 4 signals will be connected to a common pin depending on the code on the two control pins. No switch is made if the inhibit pin is high. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/ Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V.

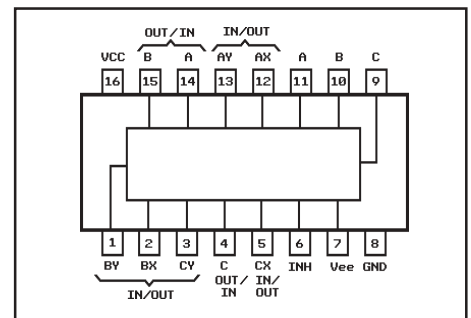
N°d'art.		Prix 1...	25...
91649	74HC4052	1.80	1.50
91793	74HCT4052	0.90	0.70



744053 Triple 2-Channel Analog Multiplexer

The 4053B is a triple 2-channel bi-directional multiplexer having three separate digital control inputs, A, B, C, and an inhibit input. Each control input selects one of pair of channels which are connected in a single-pole double-throw configuration. Analogue signals with peak-to-peak voltages up to the difference between Vdd/Vcc and Vee may be transmitted through the switch. Note that Vee must not be connected to a voltage higher than Vss/Ground. For analogue signals it is usually preferable to make Vee equal in magnitude to Vdd e.g. Vdd/Vcc=5V, Vee=-5V.

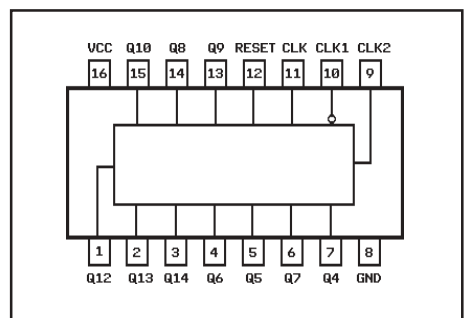
N°d'art.		Prix 1...	25...
31124	74HC4053	1.50	1.20
91794	74HCT4053	0.90	0.70



744060 14-Stage Binary Counter

The '4060' is a 14-stage high speed binary ripple counter. The counter is advanced one count on the negative transition of each clock pulse. The counter is reset to the zero state by a logical "1" at the reset input independent of clock. The '4060' also has two additional inputs to enable easy connection of either an RC or crystal oscillator.

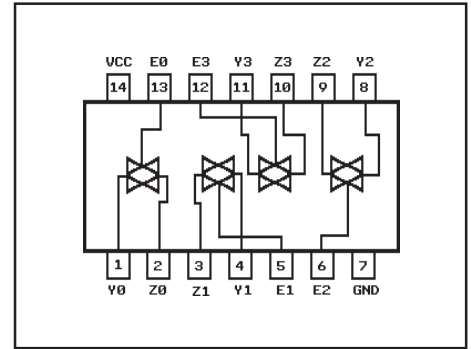
N°d'art.		Prix 1...	25...
31125	74HC4060	1.40	1.00
84112	74HC4060 / SMD-SO16	0.30	0.20



744066 Quad Analog Switch

These switches have low 'on' resistance and low 'off' leakages. They are bidirectional switches, thus any analog input may be used as an output and vice-versa. Also the '4066' switches contain linearization circuitry which lowers the 'on' resistance and increase switch linearity. The '4066' devices allow control of up 12V (peak) analog signals with digital control signals of the same range. Each switch has its own control input which disables its switch when low.

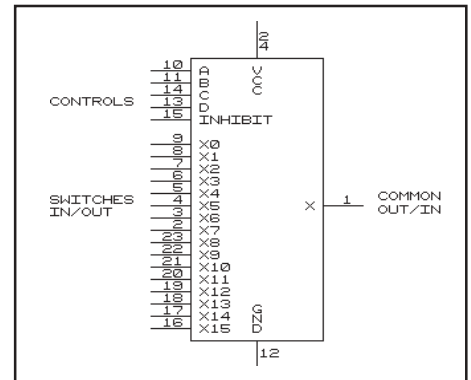
N°d'art.		Prix 1...	25...
91643	74HC4066	1.80	1.50
93066	74HC4066 / SMD-SO14	0.40	0.30
91797	74HCT4066	0.70	0.50



744067 16-to-1, 1-to-16 Analog Multiplexer/Demultiplexer

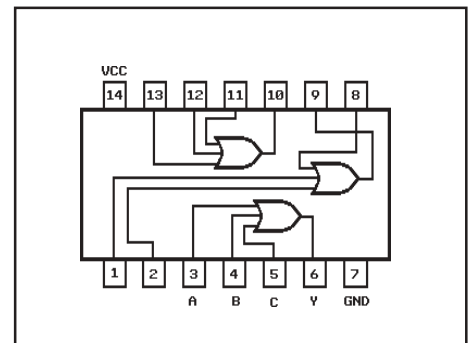
The 74HC4067 is a 16-Channel multiplexer/demultiplexer with an inhibit and four binary control inputs A, B, C and D. These control inputs select 1-of-16 channel by turning on the appropriate analog bilateral switch. It can be used in either digital or analog applications.

N°d'art.		Prix 1...	25...
91644	74HC4067 (24p. 600mil)	3.40	3.00



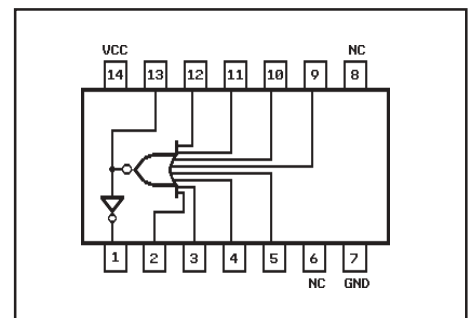
744075 Triple 3-Input OR Gate

N°d'art.		Prix 1...	25...
31127	74HC4075	1.50	1.00
31126	74HC4075 / SMD-SO14	0.40	0.30
91799	74HCT4075	0.70	0.50



744078 8-Input NOR/OR Gate

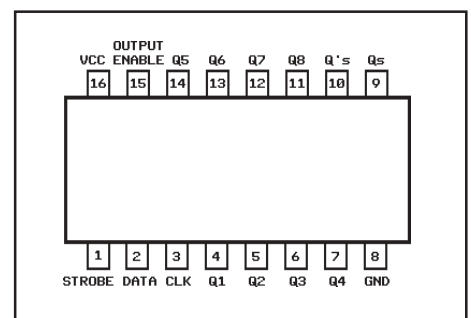
N°d'art.		Prix 1...	25...
31128	74HC4078	1.80	1.50



744094 8-Stage Shift and Store Bus Register

The 744094 consists of an 8 bit shift register and a Tri-State 8-bit latch. Data is shifted serially through the shift register on the positive transition of the clock. The output of the last stage (Qs) can be used to cascade several devices. Data on the Qs output is transferred to a second output, Q's, on the following negative clock edge. The output of each stage of the shift register feeds a latch, which latches data on the negative edge of the Strobe input. When Strobe is high, data propagates through the latch to Tri-State output gates. These gates are enable when Output Enable is taken high.

N°d'art.		Prix 1...	25...
74906	74HC4094	0.55	0.35

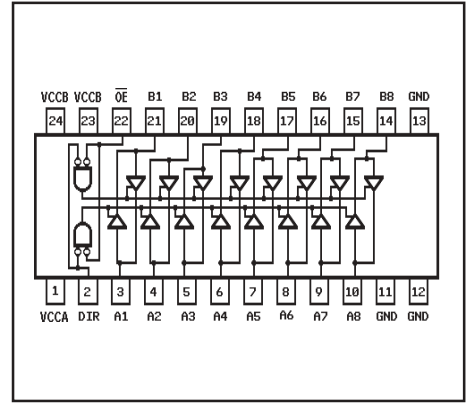


744245 8-Bit Dual Supply Configurable interface Transceiver with TRI-STATE Outputs

The LVX4245 is a dual-supply, 8-bit translating transceiver that is designed to interface between a 5V bus and a 3V bus in a mixed 3V/5V supply environment. The Transmit/Receive (T/R) input determines the direction of data flow.

Transmit (active-HIGH) enables data from A ports to B ports; Receive (active-LOW) enables data from B ports to A ports. The Output Enable input, when HIGH, disables both A and B ports by placing them in a HIGH Z condition. The A port interfaces with the 5V bus; the B port interfaces with the 3V bus. The LVX4245 is suitable for mixed voltage applications such as laptop computers using 3.3V CPU's and 5V LCD displays. Outputs source/sink 24 mA at 5V bus; 12 mA at 3V bus

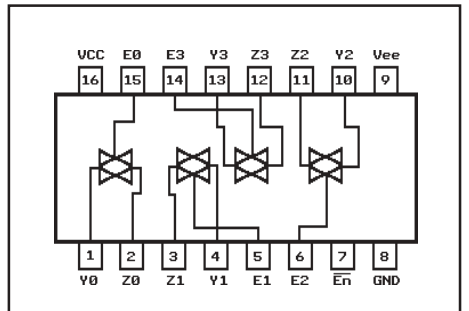
N°d'art.		Prix 1...	25...
31073	74LVX4245 / SMD-SO-24W	0.50	0.40
31074	74LVC4245 / SMD-TSSOP-24	0.40	0.30



744316 Quad Analog Switch with Level Translator

These switches have low 'on' resistance and low 'off' leakages. They are bidirectional switches, thus any analog input may be used as an output and vice-versa. Three supply pins are provided on the '4316' to implement a level translator which enables this circuit to operate with 0-6V logic levels and up to ±6V analog switch levels. The '4316' also has a common enable input in addition to each switch's control which when low will disable all switches to their off state.

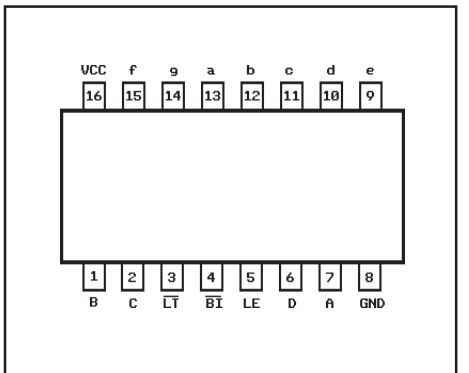
N°d'art.		Prix 1...	25...
31129	74HC4316	1.90	1.50
91800	74HCT4316	0.50	0.40



744511 BCD-to-7 Segment Latch/Decoder/Driver

The '4511' provides the functions of a 4-bit storage latch, an BCD-to-seven segment decoder, and an output drive capability. Lamp test (LT), blanking (BI), and latch enable (LE) inputs are used to test the display, to turn off or pulse modulate the brightness of the display, and to store a BCD code, respectively. It can be used with seven-segment light emitting diodes (LED), incandescent, fluorescent, gas discharge, or liquid crystal readouts either directly or indirectly. Applications include instrument, display driver, computer/calculator display driver, cockpit display driver, and various clock, watch and timer uses.

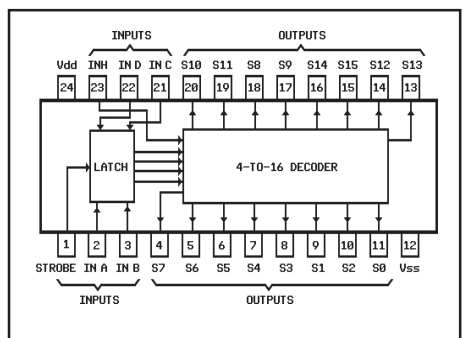
N°d'art.		Prix 1...	25...
91654	74HC4511	1.90	1.50
93611	74HC4511 / SMD	1.00	0.75
91802	74HCT4511	1.30	1.00



744514 4-to-16 Line Decoder with Latch

The '4514' contains a 4-to-16 line decoder and a 4-bit latch. The latch can store the data on the select inputs, thus allowing a select output to remain high even though the select data has changed. When the latch enable input to the latches is high, the outputs will change with the inputs. When latch enable goes low the data on the select inputs is stored in the latches. The four select inputs determine which output will go high provided the inhibit input is low. If the inhibit input is high all outputs are held low thus disabling the decoder.

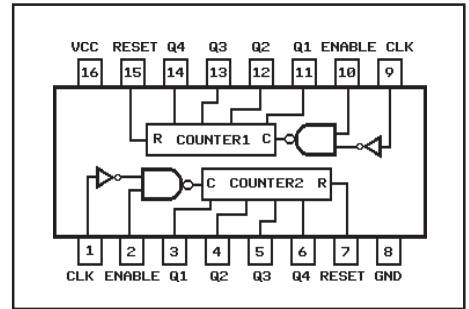
N°d'art.		Prix 1...	25...
31131	74HC4514 (24p. 300mil)	3.70	3.20
91804	74HCT4514 (24p. 600mil)	2.10	1.70



744520 Dual 4-Bit Synchronous Up Counters

The 744520 is a dual binary counter. Each counter consists of two identical, independent, synchronous, 4-stage counters. The counter stages are toggle flip-flops which increment on either the positive-edge of Clock or negative-edge of Enable, simplifying cascading of multiple stages. Each counter can be asynchronously cleared by a high level on the Reset line.

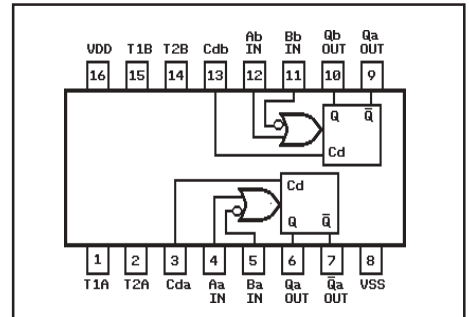
N°d'art.		Prix 1...	25...
F0167	74HC4520/SMD-SO16	0.60	0.50



744538 Dual Retriggerable Multivibrator

The '4538' contains two high speed monostable multivibrators (one shot). Each multivibrator features both a negative, A, and a positive, B, transition triggered input, either of which can be used as an inhibit input. Also included is a clear input that when taken low resets the one shot. The '4538' is retriggerable. That is, it may be triggered repeatedly while their outputs are generating a pulse and the pulse will be extended. The output pulse equation is simply: $PW=0.7(R)(C)$ where PW is in seconds, R in ohms, and C in farads.

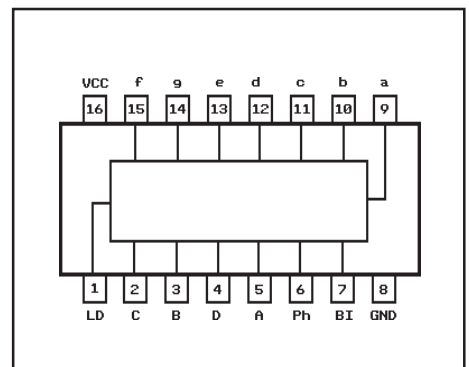
N°d'art.		Prix 1...	25...
31132	74HC4538	1.90	1.50
84111	74HC4538/SMD-SO16	0.60	0.50
91806*	74HCT4538	1.20	0.90



744543 BCD-to-7 Segment Latch/Decoder/Driver

The '4543' is for use with liquid crystal and other types of displays. The circuit provides the functions of a 4-bit storage latch and an 8421 BCD-to-7-segment decoder and driver. The device has the capability to invert the logic levels of the output combination. The phase(PH), blanking(BI) and latch disable(LD) inputs are used to reverse the truth table phase, blank the display, and store a BCD code, respectively. For liquid crystal(LC) readouts, a square wave is applied to the Ph input of the circuit and the electrically common backplane of the display, and the outputs of the circuit are connected directly to the segments of the readout.

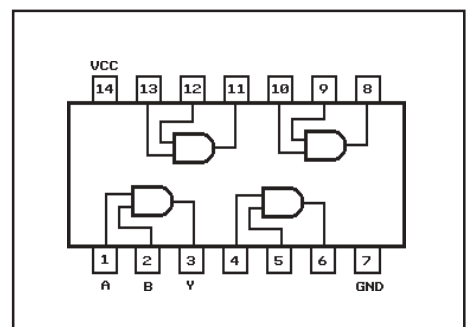
N°d'art.		Prix 1...	25...
91659	74HC4543	1.80	1.50
91808	74HCT4543	0.90	0.70



747001 Quad 2-Input AND Gate With Schmitt-Trigger Inputs

Because of the Schmitt action, the inputs have different input threshold levels for positive and negative-going signals. These circuits are temperature compensated and can be triggered from the slowest of input ramps and still give clean jitter-free output signals.

N°d'art.		Prix 1...	25...
F0168	74HC7001/SMD-SO14	3.10	2.80



Microprocesseurs & Microcontrôleurs

N°d'art.		Boîtier	Prix 1...	25...
27700	6502A-CPU, 2MHz	DIL-40	9.70	
86039	80C31-12CA	DIL-40	13.00	
86034	80C32-12MHZ	DIL-40	14.00	
F0064	P8032AH	DIL-40	14.00	
F0111	80C39HC	DIL-40	18.00	
70341	80C49AU-6128	QFP44	12.00	10.00
16540	8085-CPU 3MHz	DIL-40	8.10	
F0045	80C85AH	DIL-40	12.00	
70338	80C552EBB	PQFP80	12.00	12.00
F0042	P8256AH	DIL-40	25.00	
70339*	84C015BF-06	QFP100	25.00	25.00
70316*	AT90S2313-10SC	SO-20W	8.80	8.10
70040*	ATMEGA8L-8AU	SO-28	3.80	3.30
70346*	HD6413003TF16	PQFP	19.00	17.00
70344*	HD6473378F10	PQFP80	45.00	42.00
70350*	HD64F3664FP, H8/3664F	QFP64-E	15.00	12.00
50315*	MC68705P3S/UV-EPROM	DIL-28	42.00	
70345*	MC68331CFC16	QFP132	25.00	25.00
70343*	MC68HC11F1CPU3	QFP80	11.00	9.00
70380*	MC68HC11E1FN	PLCC-52	15.00	
74480	MC68HC705C8ACP-OTP	DIL-40	17.00	15.00
74481*	MC68HC705C8ACS-UV/EPROM	DIL-40	110.00	
74470*	MC68HC705J1/14-IO	DIL20	6.50	
74473*	MC68HC705KJ1/10-IO	DIL16	6.70	
74474*	MC68HC705KJ1CS/10-IO/UV-EPR	DIL16	80.00	
74486P	MC68HC908GP16CFB	QFP-44	9.20	8.60
74479P	MC68HC908GP32CP	DIL40	15.80	14.80
74485P	MC68HC908GP32CFB	QFP-44	16.80	15.90
74476P	MC68HC908QT4CP/16K	DIL8	3.40	2.90
74487*	MC908QY1ACP/1K5	DIL16	1.90	1.20
74477P	MC68HC908QY4CP/16K	DIL16	3.50	3.00
74014P	PIC10F200T-I/OT	SOT-23/6	1.50	1.20
70412*	PIC12C508A-04/SM	SO-8W	1.80	1.50
70317*	PIC16C54C-04/SS	SSOP-20	2.90	2.50
F0106*	PIC16C54-RC/SO	SO-18	1.90	1.50
73036*	PIC16C72A-04/SO	SO-28	4.20	3.80
70014*	PIC16C711-04/P	DIL-18	4.50	4.50
56006*	PIC16F870-I/SP	DIL-28	5.00	5.00
70086*	PIC16F873A-I/SS	SSOP-28	6.80	6.80
F0103*	SAB80C515A-N18	PLCC-68	45.00	
86904	STM32F103CBT6	LQFP48	5.20	4.90
F0127*	T89C51RD2-SLSCM	PLCC-44	13.00	11.00
15600*	Z80A-CPU, 4MHz (Z84004PS)	DIL-40	4.95	
70020*	Z86E02-08PSC	DIL-18	5.60	5.60

Périphériques

N°d'art.			Prix 1...	25...	
15604	Z8430 - Z80 CTC*	4MHz	DIL-40	4.00	3.00
15606	Z8430 - Z80 CTC*	6MHz	DIL-40	5.00	4.00
16524	Z84C30 - Z80 CTC CMOS*	4MHz	DIL-40	6.00	5.50
15602	Z8420 - Z80-PIO*	4MHz	DIL-40	4.95	4.40
16522	Z84C20 - Z80-PIO CMOS*	4MHz	DIL-40	4.50	4.00
16506	Z8440 - Z80-SIO*	6MHz	DIL-40	8.00	
16530	Z84C40 - Z80-SIO CMOS*	4MHz	DIL-40	10.00	
16504	Z8410 - Z80 DMA*	4MHz	DIL-40	13.50	12.40
F0041	65SC51P2 - ACIA*	4MHz	DIL-28	18.00	
27710	6845B - CRT Controller*		DIL-40	6.50	
F0046	68B50 - ACIA*	2MHz	DIL-24	15.00	
27711	82C11 - CMOS PIA*		DIL-40	6.50	
00166	8253AC-2 - Prog. Interval Timer*		DIL-24	14.00	
27712	82C54 - CMOS Prog. Interval Timer*	10MHz	DIL-24	10.00	
F0129*	UPD71055L-10=82C55A-PIO	10MHz	PLCC-44	5.90	4.80
27718	8259 - Prog. Interrupt Controller*	8MHz	DIL-28	5.90	5.10
16550	8279 - Keyboard / Display Interface*	5MHz	DIL-40	7.50	6.50
27720	82C8167 (MM58167) - CMOS RTC*		DIL-24	15.00	
F0090P	SCC2691AC1N24 - CMOS UART*		DIL-24	8.00	7.50
70351*	PSD834F2-90M - ISP*		TQFP-52	16.00	16.00

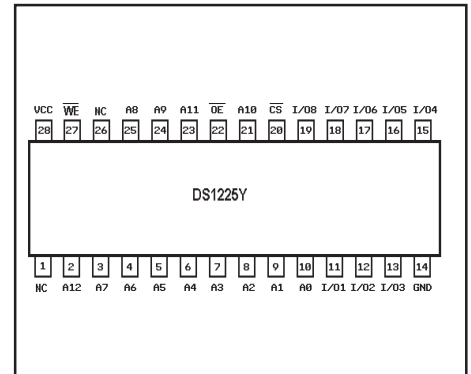
CMOS Static RAM

N°d'art.	Organisation	Accès	Prix 1...	25...			
F0109*	6264	8K x 8	64k	100ns	SO-28	3.00	3.00
31655	62256	32K x 8	256k	70ns	DIL-28	9.90	8.50
31656	62256	32K x 8	256k	70ns	SO-28	2.10	1.90
74105	681000	128K x 8	1M	70ns	DIL-32	3.50	3.10

64K Nonvolatile SRAM

These SRAM 's are fully static, non-volatile RAM. Each NV SRAM has a self-contained lithium energy source and control circuit that constantly monitors Vee for an out-of-tolerance condition. When such a condition occurs, the lithium energy source automatically switches on and write protection is unconditionally enabled to prevent garbled data. The NV SRAM can be used in place of existing SRAMs directly conforming to the popular byte wide 28pin DIP standard. There is no limit on the number of write cycles that can be executed and no additional support circuitry is required for microprocessor interface.

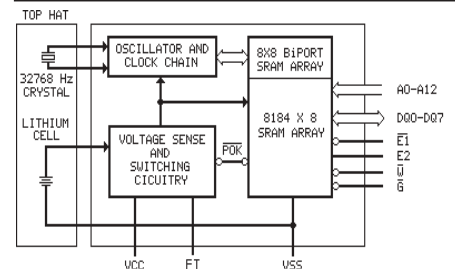
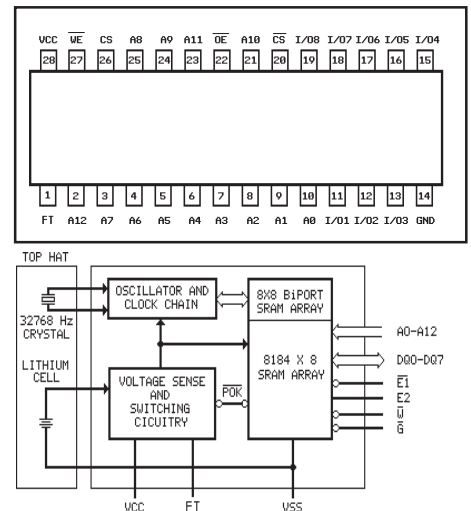
N°d'art.	Organisation	Prix 1...	
75018	M48Z58-70	8K x 8 (64K)	17.50



M48T58 64K Non-Volatile SRAM with Real Time Clock

The M48T58 TIMEKEEPER RAM is an 8K x 8 non-volatile Static RAM and real time clock. A special 28 pin dual-in-line package houses the M48T58 silicon with a quartz crystal and a long life button cell battery to form a highly integrated battery backed-up memory and real time clock solution. The M48T58 is a non-volatile pin and function equivalent to any standard 8K x 8 SRAM. It also easily fits into many ROM, EPROM and EEPROM sockets, providing the non volatility of PROMs without any requirement for special write timing or limitations on the number of writes that can be performed. The static memory array and the quartz controlled clock oscillator of the M48T58 are integrated on one silicon chip. The two circuits are interconnected at the upper eight memory locations to provide user accessible BYTEWIDE clock information in the bytes with addresses 1FF8-1FFF. The clock locations contain the year, month, date, day, hour, minute, and second in 24 hour BCD format. Corrections for 28, 29 (leap year), 30, and 31 day months are made automatically.

N°d'art.	Organisation	Prix 1...
86020	M48T58Y-70PC1	32.00



CMOS EPROM

N°d'art.	Organisation	Accès	Prix 1...	25...			
31664	27C256	32K x 8	256K	150ns	DIL-28	5.90	5.90
31668	27C256 / OTP	32K x 8	256K	70ns	DIL-28	1.90	1.50
31666	27C512	64K x 8	512K	120ns	DIL-28	8.10	6.50
31669	27C512-45XF1	64K x 8	512K	45ns	DIL-28	15.00	12.00
31670	27C010 / OTP	128K x 8	1M	70ns	DIL-32	1.90	1.80

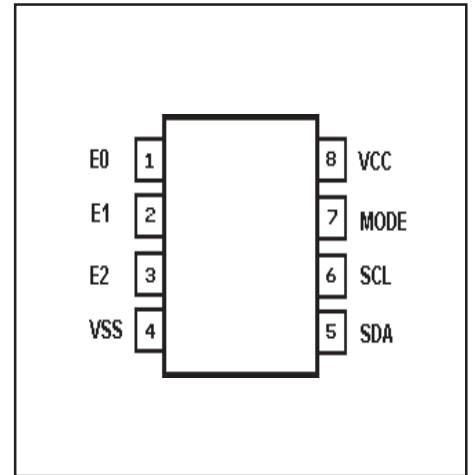
PAL / GAL / CPLD / FPGA

N°d'art.	Organisation	Prix 1...	25...		
F0105*	XC9572-PCG44	CPLD	PLCC44	13.00	13.00
F0107*	PAL16L8-7JC	PAL	PLCC20	9.00	8.20
86056*	PALCE16V8H-15PC4	PAL/GAL	DIL20	11.00	11.00
70386*	PALCE22V10Q-25JC	PAL/GAL	PLCC28	3.00	2.50
F0035*	PALCE22V10Q-25PC	PAL/GAL	DIL28	4.50	4.50
70041*	GAL22V10D-25LJ	GAL	PLCC28	3.30	3.30

24CXY SERIAL ACCESS CMOS EEPROMs

Endurance E/W cycles 1'000'000
 Data retention 10 years
 I² Bus compatible
 Supply voltage = 3...5.5V

N°d'art.	Type	Boîtier	Organisation	Prix 1...	25...
95800	24C02CB	DIP-8	2K 256x8	0.50	0.40
95801	24C02CM	SO-8/SMD	2K 256x8	0.35	0.25
95802	24C04CB	DIP-8	4K 512x8	0.65	0.55
95803	24C04CM	SO-8/SMD	4K 512x8	0.50	0.40
95804	24C08CB	DIP-8	8K 1024x8	0.70	0.50
95805	24C08CM	SO-8/SMD	8K 1024x8	0.60	0.50
95806	24C16CB	DIP-8	16K 2Kx8	0.90	0.70
95807	24C16CM	SO-8/SMD	16K 2Kx8	0.60	0.50



93C/S.. SERIAL ACCESS CMOS EEPROMs

N°d'art.	Type	Boîtier	Organisation	Prix 1...	25...
95810	93C06C	DIP-8	256 16x16 or 32x8	0.90	0.70
95811	93C06WMN6	SO-8/SMD	256 16x16 or 32x8	0.90	0.70
95812 ^P	93C46WBN6	DIP-8	1K 64x16 or 128x8	0.30	0.25
95813	93C46WMN6	DIP-8	1K 64x16 or 128x8	0.10	0.08
95814	93C56	DIP-8	2K 128x16 or 256x8	0.90	0.70
95815	93C56	SO-8/SMD	2K 128x16 or 256x8	0.70	0.50
70311*	93CS56	SO-8/SMD	2K 128x16	1.80	1.80
70308*	93S66	DIP-8	4K 256x16	2.50	2.10
70328 ^P	93S66WMN6	SO-8/SMD	4K 256x16	0.90	0.60

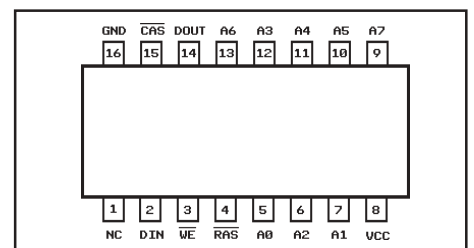
SPI™ Bus Serial EEPROM

N°d'art.	Type	Boîtier	Organisation	Vcc	Prix 1...	25...
50019 ^P	25AA256I/SN	SMD-SO8	256K(32Kx8)	1,8-5,5V	1.30	1.10
95820 ^P	25LC320I/SN	SMD-SO8	32K(4Kx8)	2,5-5,5V	0.60	0.50
95822*	25LC320IP	DIL-8	32K(4Kx8)	2,5-5,5V	0.80	0.60
70333 ^P	M95640WMN6	SMD-SO8	64K(8Kx8)	2,7-5,5V	1.30	1.10
95821 ^P	M25P20VMN6P	SMD-SO8	2M(256Kx8)	2,7-3,6V	3.40	2.50

4164-100ns 64K Dynamic RAM (DRAM)

A 65,536-bit dynamic random access read/write memory organised as 65,536 x 1-bit words. The IC operates from a single +5V supply at less than 50mA. When chip is not selected, current falls to less than 5mA.

N°d'art.	Type	Boîtier	Organisation	Prix 1...	25...
06320*	4164	100ns	64K 64K x 1	8.00	7.00

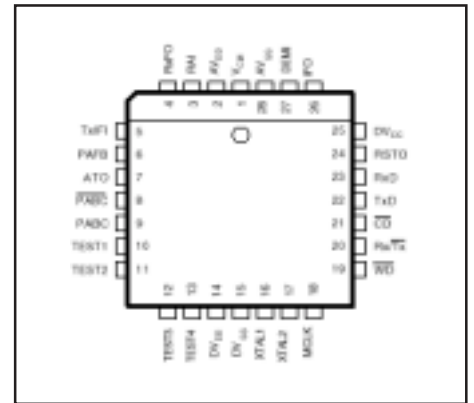
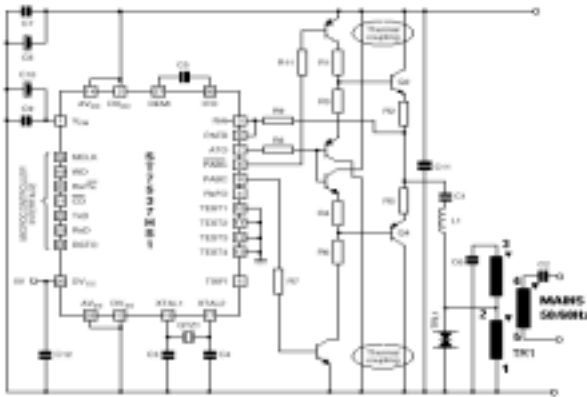


MEMOIRES FLASH

N°d'art.	Type	Boîtier	Organisation	Prix 1...	25...
88001 ^P	29LV010B-70JC	PLCC32	2.7V/3.6V 128Kx8	3.50	2.90
F0255*	29F040B-120PC	DIL32	5V 4M-512x8/256x16	5.00	5.00
70388	29F040B-120JC	PLCC32	5V 4M-512x8/256x16	3.40	3.40
86339 ^P	29F400BT-70SC	SO-44	5V 4M-512x8/256x16	7.80	6.00
88012 ^P	TC58FVM7B2	TSPO-56	3V/3.6V 128M-16Mx8/8Mx16	15.00	15.00

**ST7537HS1 HALF DUPLEX ASYNCHR. 2400bps FSK MODEM
POWER LINE MODEM**

The ST7537HS1 is a half duplex asynchronous FSK MODEM designed for home automation communication on the domestic electric mains which complies with the EN 50065-1 CENELEC standard. It mainly operates from a 10V power supply and a 5V power supply for the microcontroller digital interface. It is interfaced to the power line by an external driver, and a transformer. Its data transmission rate is 2400 bps and its carrier frequency is 132.45kHz.



Documentation sur site internet : www.cedis.ch->catalogue->documentation->40104.zip

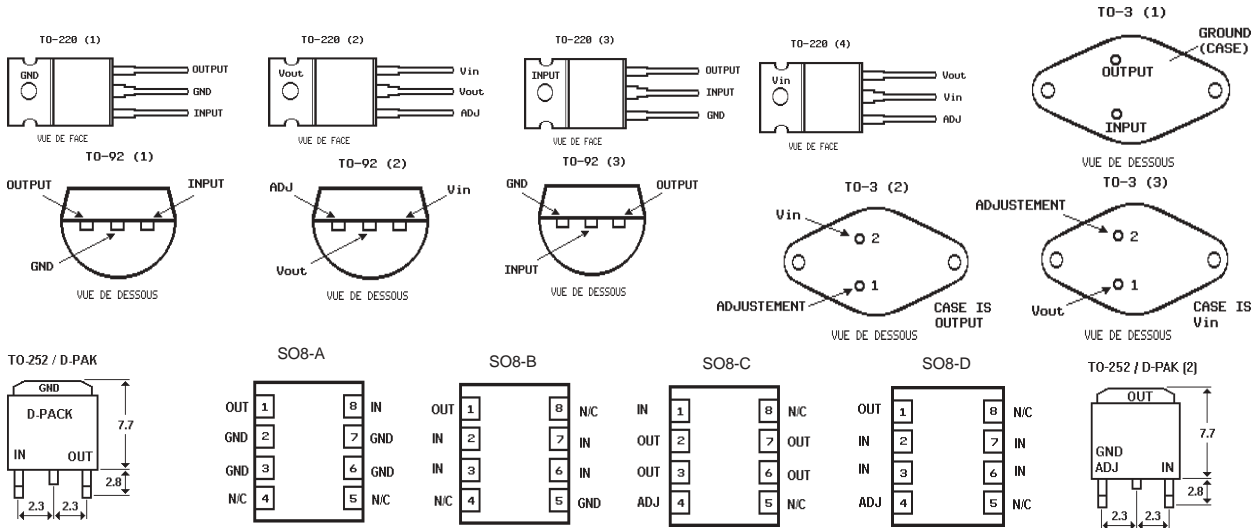
N°d'art.	Désignation	Réf.	Prix 1...
40104^{AP}	Power Line Modem ST7537HS1	IC1	24.00
19320	Transfo de ligne 707VX-T1002N	TR1	5.40
21096	Paper, class X2 470nF / 250V~	C2	2.10
	Transil z-diode P6KE6.8CA	TRL1	0.90

Voltage Regulators

N°d'art.	Type	Iout max.	Vout.	Vin min/max	Boîtier	Prix 1...	25...
70415	LM1086CS2.5 ¹	1,5A	+2,5V	27V max.	TO-263-3	1.90	1.70
31735^P	LE33CD ¹	100mA	+3,3V	18V max	SO-8	0.50	0.40
31861^P	LM3480IM3-3V3 ¹	100mA	+3,3V	4,8V / 30V	SOT-23-3	0.90	0.80
31763	LP2950-3V3 ¹	100mA	+3,3V	30V max.	TO-92 (1)	0.60	0.50
31733^P	LM1117DTX-3V3 ¹	800mA	+3,3V	4,75V / 15V	TO-252/D-PACK(2)	1.20	1.00
74054^P	LM3940IS-3V3 ¹	1A	+3,3V	4,5V / 7,5V	TO-263-3	3.50	2.90
31770	LM3940IT-3V3 ¹	1A	+3,3V	4,5V / 7,5V	TO-220 (1)	1.10	0.80
70409^{*P}	LD1086V33 ¹	1,5A	+3,3V	30V max.	TO-220	1.50	1.30
F0096	LM1086CS-3V3 ¹	1,5A	+3,3V	27V max.	TO-252/D-PACK	1.10	0.90
31771^P	LM1086CT-3V3 ¹	1,5A	+3,3V	27V max.	TO-220	1.70	1.50
F0055	LM2931M-5 ¹	100mA	+5V	26V max	SO-8	0.90	0.70
31860^P	LM3480IM3-5V0 ¹	100mA	+5V	4,8V / 30V	SOT-23-3	1.10	0.80
70301	LP2951CM ¹	100mA	+5V	30V max	SO-8	0.80	0.60
31824	78L05AC	100mA	+5V	7V / 30V	TO-92 (1)	0.45	0.35
95020	78L05ACD/SMD	100mA	+5V	7V / 30V	SO-8/a	0.50	0.40
95000	78M05CD/SMD	500mA	+5V	7V/35V	TO-252/D-PACK	0.70	0.50
70327	KF50BD ¹	500mA	+5V	20V max	SO-8	1.20	0.90
F0006^P	TPS7150QD ¹	500mA	+5V	5,33-10V	SO-8	3.90	3.50
31775	LM2940CT-5 ¹	1A	+5V	6,25V / 26V	TO-220 (1)	1.30	1.00
31768	7805CV	1,5A	+5V	7,3V / 35V	TO-220 (1)	0.50	0.40
31742	LM323KSTEEL	3A	+5V		TO-3	45.00	45.00
31825	78L08AC	100mA	+8V	10,5V / 23V	TO-91 (1)	0.50	0.40
95021	78L08ACD/SMD	100mA	+8V	10,5V / 23V	SO-8/a	0.50	0.40
31774	7808CV	1,5A	+8V	10,3V / 35V	TO-220 (1)	0.40	0.30
31827	78L09AC	100mA	+9V	11,5V / 23V	TO-92 (1)	0.50	0.40
31765	7809CV	1,5A	+9V	11,5V / 35V	TO-220 (1)	0.60	0.50
31826	78L12AC	100mA	+12V	14,5V / 35V	TO-92 (1)	0.40	0.35
95022	78L12ACD/SMD	100mA	+12V	14,5V / 35V	SO-8/a	0.40	0.30
95012	78M12CD / SMD	500mA	+12V	14,0 / 35V	D-PACK/TO-252	0.70	0.50
70326^P	KF120BD ¹	500mA	+12V	20V max	SO-8	1.20	0.90
31764	7812CV	1,5A	+12V	14,6V / 35V	TO-220 (1)	0.50	0.40
70417	LM2940CT-12 ¹	1A	+12V	26V max	TO-220(1)	1.50	1.20
31758	LM340K-12	1,5A	+12V		TO-3	35.00	35.00
31769	78S12C	2A	+12V	14,5V/30V	TO-220 (1)	0.60	0.50
31828	78L15AC	100mA	+15V	17,5V / 35V	TO-92 (1)	0.40	0.35
95024	78L15ACD/SMD	100mA	+15V	17,5V / 35V	SO-8/a	0.40	0.30
31731	7815CDTG	1,0A	+15V	17,7V / 35V	D-PACK/TO-252	0.50	0.40
31766	7815CV	1,5A	+15V	17,7V / 35V	TO-220 (1)	0.50	0.40
70410	7815CP	1,5A	+15V	17,7V / 35V	TO220-ISO(1)	0.70	0.50
31760	LM340K-15	1,5A	+15V		TO-3	35.00	35.00
31829	78L24AC	100mA	+24V	27V / 38V	TO-92 (1)	0.60	0.50
31772	7824CT	1-1,5A	+24V	27V / 40V	TO-220 (1)	0.50	0.40
31836	79L05AC	100mA	-5V	-7,3V / -30V	TO-92 (3)	0.40	0.35
95030	79L05ACD	100mA	-5V	-7,3V / -30V	SO-8	0.50	0.40
31830	7905CV	1,5A	-5V	-7V / -35V	TO-220 (3)	0.45	0.40
31838	79L12AC	100mA	-12V	-14,6V / -35V	TO-92 (3)	0.70	0.50
31832	7912CT	1-1,5A	-12V	-14,5V / -40V	TO-220 (3)	0.50	0.40
31840	79L15AC	100mA	-15V	-17,7V / -35V	TO-92 (3)	0.65	0.50
95034	79L15ACD/SMD	100mA	-15V	-17,5V / -35V	SO-8/a	0.65	0.55
31834	7915CV	1,5A	-15V	-17,5V / -40V	TO-220 (3)	0.50	0.40
70018^{*P}	HIP5600IS	40mA	+1,2V/Vin-50V	400Vmax	TO-220	5.80	4.50
F0010^{*P}	VB408	40mA	+1,25V/Vin-30V	400Vmax	TO-220	5.80	5.80
31732	LM317L	100mA	+1,2V / 37V	3V / 40V	TO-92 (2)	0.30	0.25
95051	317LD/SMD	100mA	+1,2V / 37V	3V / 40V	SO-8/c	0.70	0.50
F0009[*]	LM2931CT ¹	100mA	+3/24V	26V max	TO220-5	0.80	0.80
F0101^P	LP2953A ¹	250mA	+1,23/29V	30V max	SO-16	4.80	4.50
31734^P	LM1117DTX-ADJ ¹	800mA	+1,25 / 13,8V		TO-252/D-PACK(2)	1.60	1.40
95052^P	LM317AEMP/SMD	1,0A	+1,2V / 37V	3V / 40V	SOT-223	1.30	1.00
F0002^P	LM2941CT ¹	1,0A	+5,0V / 20V	6V / 26V	TO-220-5	1.80	1.50
31736	LM317T	1,5A	+1,2V / 37V	3V / 40V	TO-220 (2)	0.55	0.40
31730	LM317KSTEEL	1,5A	+1,2V / 37V	3V / 40V	TO-3	42.00	35.00
31744	LM350T	3A	+1,2V / 33V	3V / 35V	TO-220 (2)	0.80	0.60
31743	LM350KSteel	3A	+1,2V / 37V	3V / 35V	TO-3 (2)	25.00	23.00
31755	LM396KSteel	10A	+1,25V / 15V		TO-3	55.00	55.00
31841	337L	100mA	-1,2V / -37V	-3V / -40V	TO-92 (2)	1.30	1.00
95050	337LD/SMD	100mA	-1,2V / -37V	-3V / -40V	SO-8/d	1.60	1.30
31835	337T	1,5A	-1,2V / -37V	-3V / -40V	TO-220 (4)	0.90	0.70

¹Low dropout voltage

* = Jusqu'à épuisement du stock P = Documentation disponible sur www.cedis.ch

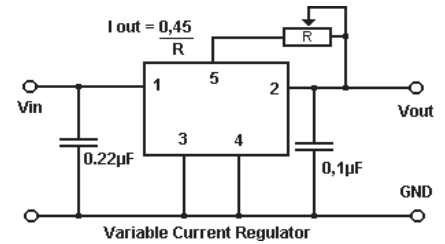
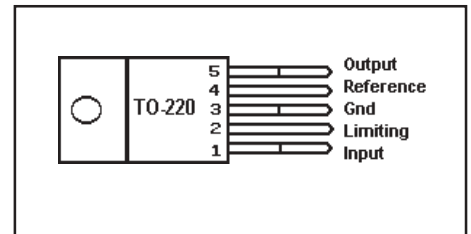
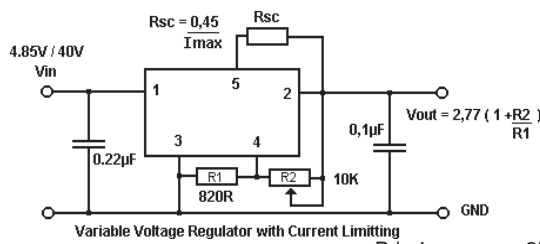


L200 Adjustable Voltage and Current Regulator

A 5-terminal regulator whose voltage and current are programmable. Current limiting, power limiting, thermal shutdown and input overvoltage protection make the L200 virtually indestructible.

Specification:

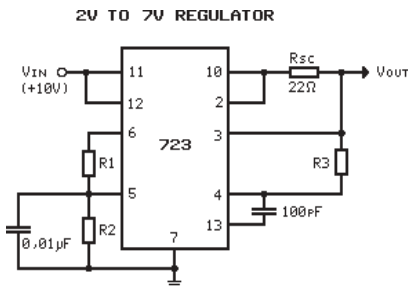
- Output current(max):2A
- Output voltage = 2.85V/ to 36V
- Line regulation = 0,03% typical
- Load regulation = 0,1% typical
- Ripple rejection = 70dB typical
- Quiescent current = 4.2mA
- Input voltage range = 4.85V to 40V
- Output resistance = 1,5M-Ohm
- Output noise voltage = 80µV
- Short circuit current= 2.5A



N°d'art.	Type	Prix 1...	25...
31891	L200CV	2.50	2.00

LM723 Voltage Regulator 2-37V

The LM723C is a voltage regulator designed primarily for series regulator applications. By itself, it will supply output currents up to 150mA; but external transistors can be added to provide any desired load current. The circuit features extremely low standby current drain, and provision is made for either linear or foldback current limiting. The LM723C is also useful in a wide range of other applications such as a shunt regulator, a current regulator or a temperature controller.



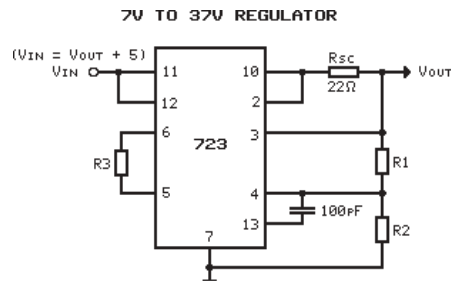
FOR ANY VOLTAGE BETWEEN 2-7V :

$$V_{out} = (V_{REF}) \times \left(\frac{R_2}{R_1 + R_2} \right)$$

TYPICAL VALUES

Vout	R1	R2	R3
3.0	4.12K	3.01K	1.74K
3.6	3.57K	3.65K	1.80K
5.0	2.15K	4.99K	1.50K
6.0	1.15K	6.04K	966R

$V_{REF} = 7.15$ (TYPICAL)
 $R_3 = \frac{R_1 \times R_2}{R_1 + R_2}$
 R3 (OPTIONAL) GIVES TEMPERATURE STABILITY

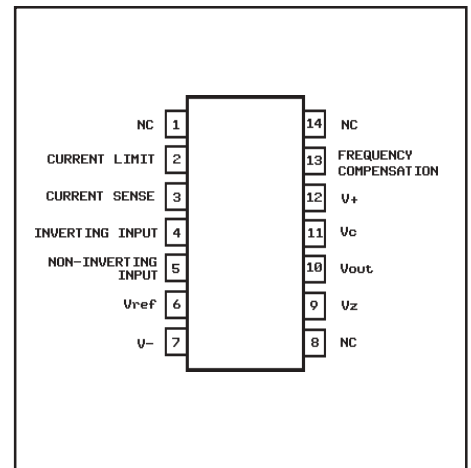


FOR ANY VOLTAGE BETWEEN 7-37V :

$$V_{out} = (V_{REF}) \times \left(\frac{R_1 + R_2}{R_2} \right)$$

TYPICAL VALUES

Vout	R1	R2	R3
9	1.87K	7.15K	480R
12	4.87K	7.15K	2.90K
15	7.87K	7.15K	3.75K
28	21.0K	7.15K	5.33K



Important characteristics are:

- 150mA output current without external pass transistor
- Output currents in excess of 10A possible by adding external transistors
- Input voltage 9,6V to 40V max
- Output voltage adjustable from 2V to 37V
- Can be used as either a linear or a switching regulator

N°d'art.	Type	Prix 1...	25...
31818	LM(UA)723CN	1.80	1.50

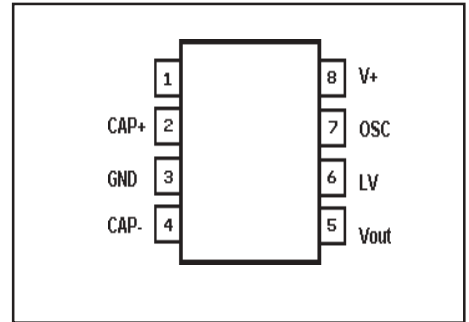
Régulateurs à découpage

N°d'art.	Type	Boîtier	Fsw (kHz)	Vin	Vout	Iout	Prix 1...	25...
STEP-DOWN								
31892^P	L296	Multiwatt 15	100-200	9-46V	5,1-40V	4A	6.00	6.00
86077^P	L4971D	SO-16W	300	3,3-50V	Adjust	1,5A	2.60	2.10
86075^P	L4972AD	SO-20W	200		5,1-40V	2A	4.90	4.50
86076^P	L4973D3.3	SO-20W	300	8-55V	0,5-50V	3,5A	3.60	3.40
70398^P	LM2575HVS-ADJ	TO-263/5	52	4-60V	1,23-57V	1A	4.50	3.70
70399[*]	LM2575HVS-5	TO-263/5	52	4-60V	5V	1A	3.50	3.00
74110^P	LM2575M-5.0	SO-24W	52	7-45V	5V	1A	3.40	3.00
74115^P	LM2575S-5.0	TO-263/5	52	7-45V	5V	1A	2.80	2.40
74107^P	LM2575T-5.0	TO-220/5	52	7-45V	5V	1A	2.50	2.30
F0005[*]	LM2576HVT-5	TO-220/5	52	4-60V	5V	3A	5.10	4.50
70406^P	LM2591HVS-ADJ	TO-263/5	150	4,5-60V	1,23-57V	1A	5.50	5.00
74116^P	LM2592HVS-ADJ	TO-263/5	150	4,5-60V	1,23-57V	2A	8.90	7.80
70418	LM2594M-ADJ	SO-8	150	4,5-40V	Adjust	500mA	3.50	3.10
70061	LM2596S-5.0	TO-263/5	150	7-40V	5V	3A	4.10	3.50
70062	LM2596S-12	TO-263/5	150	7-40V	12V	3A	5.50	5.00
74117^P	LM2671M-ADJ	SO-8	260		1,21-37V	500mA	4.50	4.10
F0059^P	LM2674M-5.0	SO-8	260	6,5/8V-40V	5V	500mA	4.50	4.10
74113^P	LM2675M-5.0	SO-8	260	6,5/8V-40V	5V	1A	5.50	4.80
74119	LM2675M-ADJ	SO-8	260	6,5/8V-40V	1,21-37V	1A	4.20	3.80
74114^P	LM2676S-5.0	TO-263/7	260	8-40V	5V	3A	5.10	4.30
74118	LM2676S-12	TO-263/7	260	8-40V	12V	3A	7.80	7.30
73038^P	LM2678S-5.0	TO-263/7	260	8-40V	5V	5A	8.60	8.00
86079^P	LM5116MH	TSSOP-20	50K-1Mhz	6-100V	1.215-80V	3.5A	8.90	8.10
70416[*]	LT1076CT	TO-220/5	100	40V max	Adjust	2,6A	4.90	4.50
F0003^{*P}	LT1172CS8	SO-8	100	3-40V	Adjust	1,25A	6.20	5.80
STEP-UP								
86078^{*P}	LM2577M-ADJ	SO-24W	52	3,5-40V	Adjust	3A	9.80	9.10
F0001^P	LT1371CR	TO-263/7	500	2,7-35V	Adjust	3A	8.50	8.00

Switched Capacitor Voltage Converter

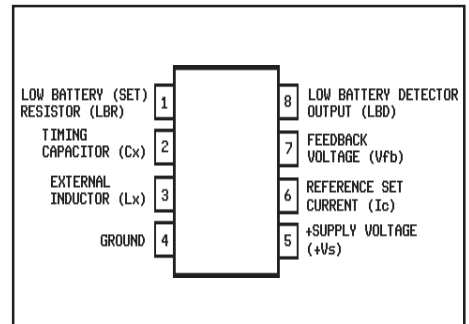
Voltage converters that will provide a negative voltage output numerically equal to the positive voltage input. They can also function as a voltage doubler. Easy to use, only 2 external components

N°d'art.	Boîtier	Vin	Vout	Iout	Prix 1...	25...	
F0023^P	MAX660M	SO-8	1,5V-5,5V	-1,5V/-5,5V	100mA	1.20	0.90
73002^P	LMC7660IM	SO-8	1,5V-10V	-1,5V/-10V	-	1.20	0.90
70396[*]	TC7660ICPA	DIL-8	1,5V-10V	-1,5V/-10V	-	1.10	0.70
F0030^P	ICL7660SCBA	SO-8	1,5V-12V	-1,5V/-12V	20mA	1.10	0.90
F0028^{*P}	SI7661CSA	SO-8	4,5V-20V	-4,5V/-20V	-	2.80	2.50
27650^{*P}	ICL7662CPA	DIL-8	4,5V-20V	-4,5V/-20V	-	4.60	4.10
27657[*]	ICL7662CBD	SO-14	4,5V-20V	-4,5V/-20V	-	4.90	4.10

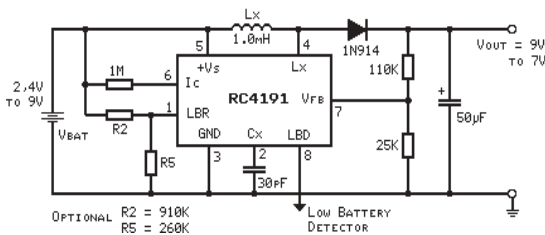


4190 Micropower Switching Regulator

The RC4190 is a low power switch mode regulator intended for miniature power supply applications. This DC-to-DC converter IC provides all of the active functions needed to create supplies for micropower circuits (load power up to 400 mW, or up to 10W with an external power transistor). Contained internally are an oscillator, switch, reference, comparator, and logic, plus a discharged battery detection circuit. Application areas include on-card circuits where a non-standard voltage supply is needed, or in battery operated instruments where a 4190 can be used to extend battery lifetime. This universal regulator can be used as a building block in three basic applications: step-up, step-down, and inverting.



9.0V BATTERY LIFE EXTENDER



$$\text{Input LBR: } V_{TH} = V_{ref} \left(\frac{R_2}{R_5} \right) + 1$$

V_{TH} = Threshold Voltage. When the battery voltage drops below V_{TH} , input LBD will turn on and sink 1,5mA typ.

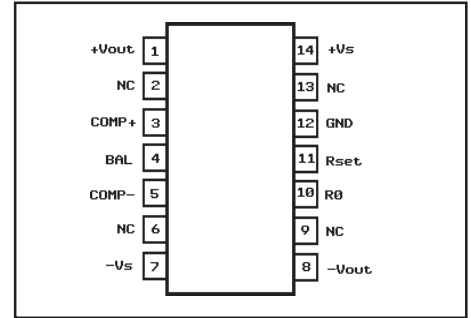
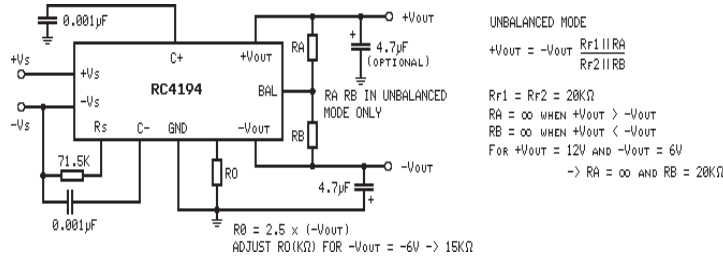
Supply voltage = 2,6V to 24V
Reference voltage (V_{ref}) = 1,31V
Standby Supply current = 215µA.

N°d'art.		Prix 1...	25...
16650	4191	9.50	8.80

4194 Dual Tracking Voltage Regulator

The 4194 is a dual polarity tracking regulator designed to provide balanced or unbalanced positive and negative output voltages at currents up to 100mA per rail. A single external resistor adjustment can be used to change both outputs between the limits of $\pm 50mV$ and $\pm 32V$.

In use take care to ensure that the power dissipation in the IC does not exceed 625mW. Power dissipation = (input V - output V) x load current. Add both rails together.



Characteristics (Typical)

Supply voltage range: $\pm 9,5V$ to $\pm 35V$
 Output voltage range: $\pm 0,05V$ to $\pm 32V$
 Output voltage tracking: 0,4%
 Package dissipation: 625mW

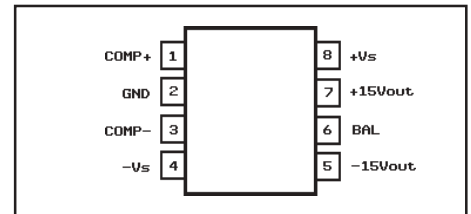
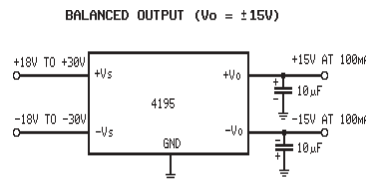
N°d'art.		Prix 1...	25...
16652	4194 (Jusqu'à épauement)	5.00	4.00

4195 Fixed $\pm 15V$ Dual Tracking Voltage Regulator

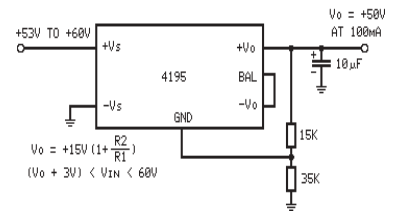
A dual polarity tracking regulator designed to provide balanced positive and negative 15V output voltages at currents up to 100mA per rail. The IC is fully protected against short circuit and shuts down if the internal temperature exceeds 175°C. Only two external 10µF capacitors (one on each output to earth) are required for operation.

In use take care to ensure that the power dissipation in the IC does not exceed 600mW. Power dissipation = (input V - 15) x load current. Add both rails together.

Supply voltage range: $\pm 18V$ to $\pm 30V$
 Standby current drain: $\pm 1,5mA$
 Output voltage: $15V \pm 0,5V$
 Output voltage tracking: $\pm 50mV$
 Input-Output V differential: 3V min
 Short-circuit current: 220mA
 Package dissipation: 468mW



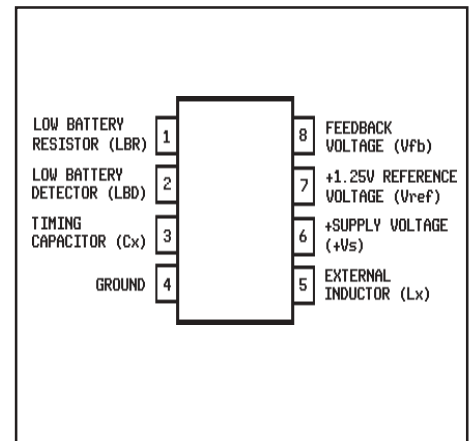
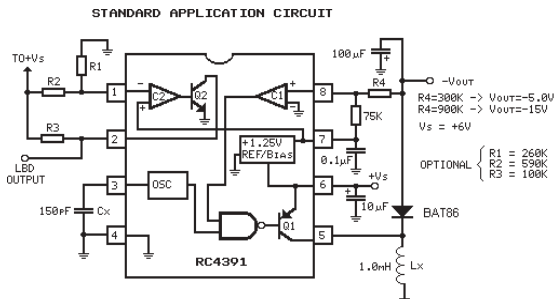
POSITIVE SINGLE SUPPLY ($+15V < V_o < +50V$)



N°d'art.		Prix 1...	25...
16654	4195 (Jusqu'à épauement)	4.20	3.50

4391 Inverting Switching Regulator

The 4391 is a micropower switching regulator specifically designed for inverting applications. It contains an internal 1,25V bandgap voltage reference, switch transistor, comparator, free running oscillator, and low battery detection circuitry. These components are interconnected to minimize the number of external components required in typical inverting applications. The 4391 requires an inductor, diode, timing capacitor, and R1-R2 network to achieve a negative output voltage. The 4391 allows the designer flexibility in designing unconventional applications such as replacing the internal bandgap reference with an external or system reference, or using the low battery detection comparator and transistor as voltage level detectors or for signal generation.



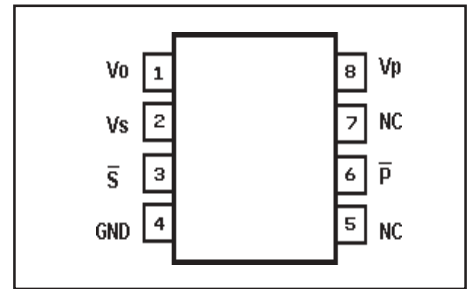
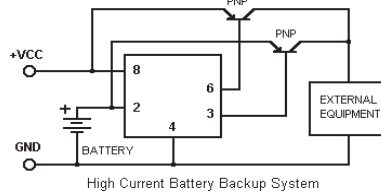
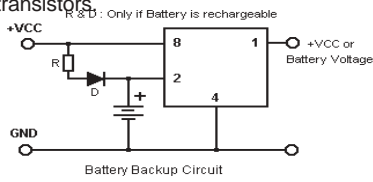
Characteristics (Typical)

Supply voltage: 4V to 30V
 Switch current (Isw): 100mA (Pin 5=5,5V)
 LBD leakage current (Icx): 0,01µA
 LBD on Current: 600µA
 LBR bias current: 0,7µA
 Internal power dissipation: 500mW max

N°d'art.		Prix 1...	25...
16656	4391 (Jusqu'à épauement)	4.00	3.20

ICL 7673 Automatic Battery Back-up Switch

An 8-pin DIL IC designed to simplify the switching between two power supplies, main and battery back-up. Logic outputs are provided that can be used to indicate which supply is connected, and can also be used to increase the power switching capability of the circuit by driving external PNP transistors.

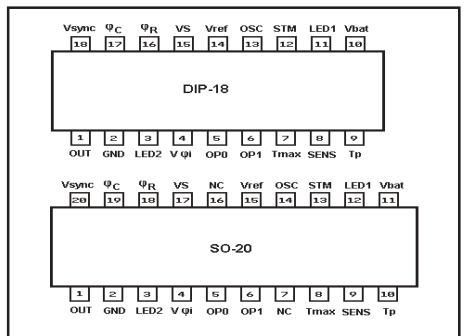


Input Voltage 2,5V to 15V (18V max)
 Quiescent current 1,5µA
 Current P & S 50mA (150mA peak)
 Current Vp 38mA (@ Vp=5V)

N°d'art.	Prix 1...	25...
27651	ICL7673CPA - DIL8	1.90

U2402B Fast Charge Controller for NiCd/NiMH Batteries

The fast-charge battery controller circuit, U2402B, uses bipolar technology. The IC enables the designer to create an efficient and economic charge system. The U2402B incorporates intelligent multiple-gradient battery-voltage monitoring and mains phase control for power management. With automatic top-off charging, the integrated circuit ensures that the charge device stops regular charging, before the critical stage of overcharging is achieved. It has two LED driver indications for charge and temperature status.

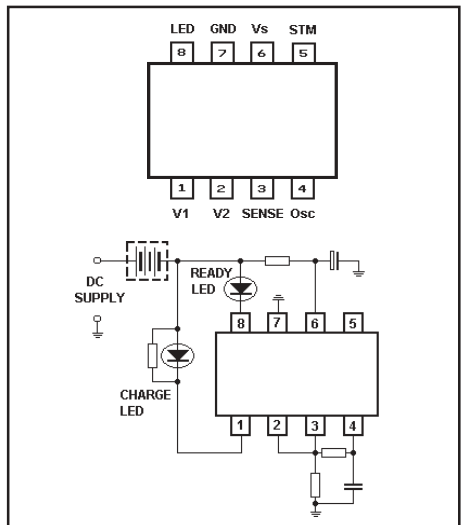


N°d'art.	Prix 1...	25...
27652	U2402B / DIL18	5.40
27653	U2402B / SMD-SO20	5.40

U2403B Charge Timer

The U2403B is a monolithic, integrated-bipolar circuit which can be used in applications for time-controlled, constant-current charge. Selection of charge current versus timing is carried out by using the external circuit at Pins 2, 3 and 4. For high current requirement, an external transistor is recommended in series with the battery. To protect the IC against high power loss (typically > 140°C), the oscillator is shut down when the reference voltage is switched off (0 V). The latter also takes place when there is a saturation caused by collector voltage at Pin 1. When the overtemperature has disappeared and the collector voltage at Pin 1 has exceeded the supply voltage (V1 > VS), charge time operation continues.

- Easy-to-run autonomous dual rate charger
- 3 h – 24 h charge time programmable
- Overtemperature protection
- Charge-mode indication
- Operation starts at the moment of battery insertion
- Fast charge time-test mode Applications



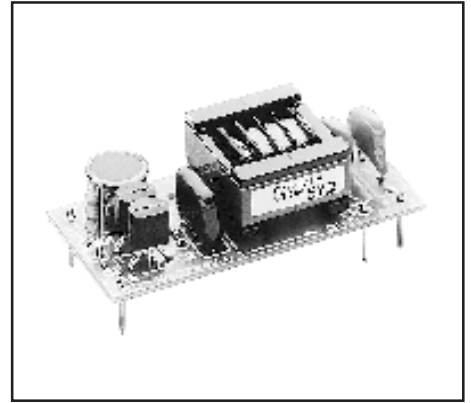
N°d'art.	Prix 1...	25...
27654	U2403B / DIL8	2.20
27655	U2403B / SMD-SO8	2.20

Convertisseur DC/AC pour tube CFL

Petit module pour la conversion du 5V/DC en tension alternative requise par les tubes CFL des affichages graphiques LCD (entre autres)

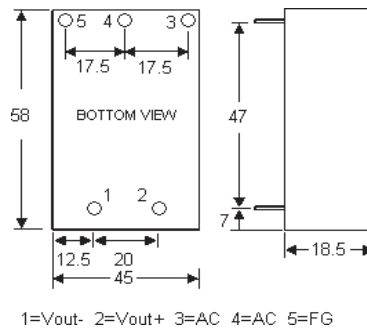
Vout (circuit ouvert) 900V/AC (Vrms)
 Vout max. 450VAC (Vrms)
 Iout max 1x10mA ou 2x5mA
 Puissance de sortie 1x4.5W ou 2x2.25W
 Fréquence d'oscillation 30KHz typ.

N°d'art.	Type	Dimensions	Prix 1...
74991P	CXA-L10A	44x21x15mm	2.90



Convertisseur AC/DC 5V-1.5A

Tension d'entrée 85...240AC
 Isolation E/S 3000VAC
 Rendement 75%
 Protection contre les courts-circuits



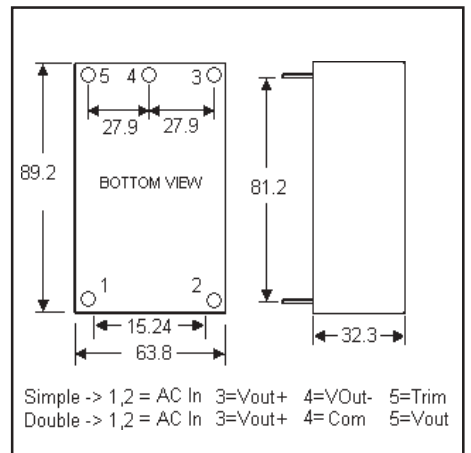
N°d'art.	Uout	Iout	Prix 1...	5...
74804*	+5VDC	+1500mA	18.00	15.00



Convertisseur AC/DC 30W

Tension d'entrée 85...265VAC
 Isolation E/S 3000VAC
 Rendement 83%
 Charge minimum 20% sur chaque sortie pour ±12VDC uniquement
 Protection contre les courts-circuits

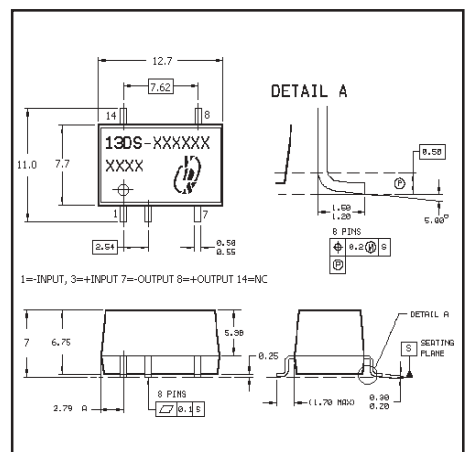
N°d'art.	Uout	Iout	Prix 1...	5...
74801*	+24VDC	+1250mA	45.00	45.00
74791*	±12VDC	±1250mA	52.80	52.80



Convertisseurs DC/DC 1W en boîtier SMD

Isolation E/S 1000VDC
 Rendement 70% - 75%

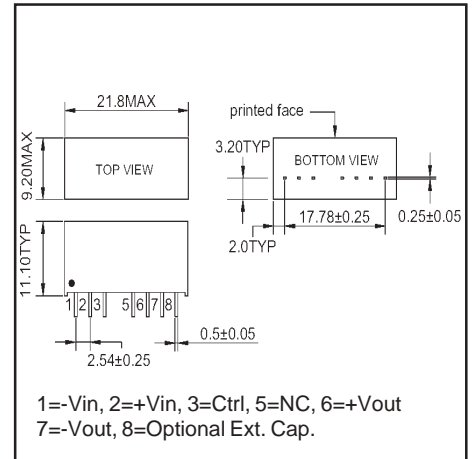
N°d'art.	Uin	Uout	Iout	Prix 1...	5...
74802	5VDC ±5%	12VDC ±5%	84mA	7.00	6.00



Convertisseur DC/DC 2W SIL8

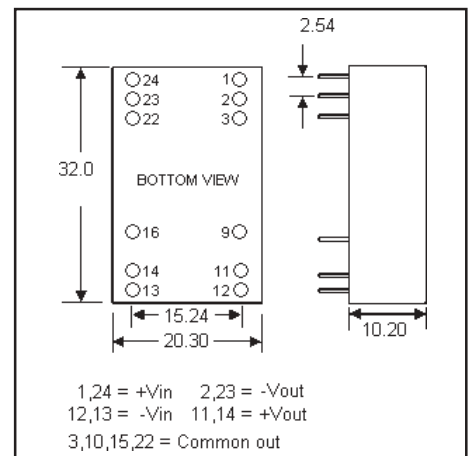
Tension d'entrée 18...36VDC
 Isolation E/S 1000VDC
 Rendement 75%
 Protection contre les courts-circuits

N°d'art.	Uout	Iout	Prix 1...	5...
74806^P	5VDC ±3%	400mA	13.00	10.00


Convertisseurs DC/DC 3W en boîtier DIL-24

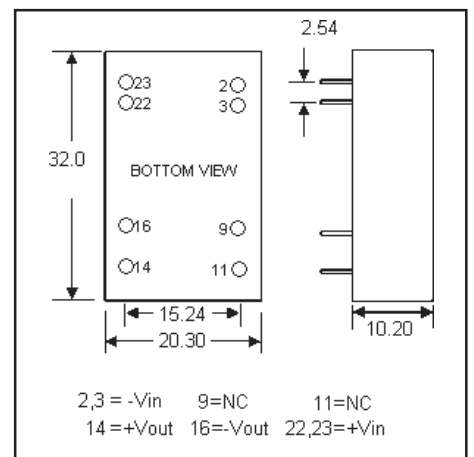
Isolation E/S 1000VDC
 Rendement 83%
 MTBF à 25°C 10⁶h.
 Protection contre les courts-circuits

N°d'art.	Uin	Uout	Iout	Prix 1...	5..
74803*	9...18V	±12VDC ±1%	±125mA	13.00	10.00


Convertisseurs DC/DC 5W/6W/7.5W en boîtier DIL-24

Tension d'entrée 18...36VDC
 Isolation E/S 2000VDC
 Rendement 81% (5V), 83% (12V & ±12V), 84% (15V)
 MTBF à 25°C 8x10⁵h.
 Protection contre les courts-circuits

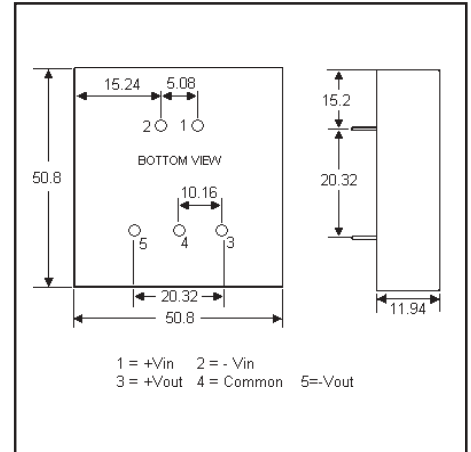
N°d'art.	Uout	Iout	Prix 1...	5...
74795*	5VDC ±1%	1A	12.00	10.00
74799*	12VDC ±1%	0,5A	15.00	12.00
74808*	15VDC ±1%	0,5A	15.00	13.00



Convertisseur DC/DC 15W

Tension d'entrée 18...36VDC
 Isolation E/S 1500VDC
 Rendement 80%
 Protection contre les courts-circuits

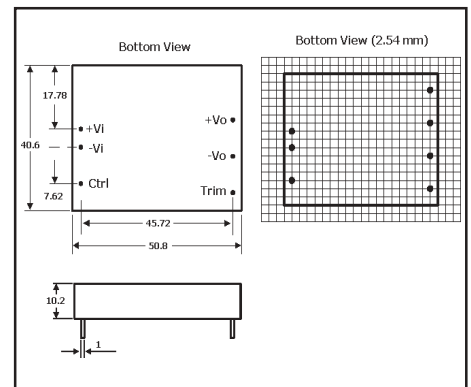
N°d'art.	Uout	Iout	Prix 1...	5...
74797	±12VDC ±5%	±625mA	18.00	14.00



Convertisseur DC/DC 30W

Tension d'entrée 18...36VDC
 Isolation E/S 1500VDC
 Rendement 88%
 Protection contre les courts-circuits
 Protection thermique
 Externe ON/OFF On=TTL haut ou ouvert / Off=TTL bas

N°d'art.	Uout	Iout	Prix 1...	5...
74805^P	+12VDC	+2,5A	25.00	23.00



Convertisseurs DC/DC divers

Jusqu'à épuisement du stock

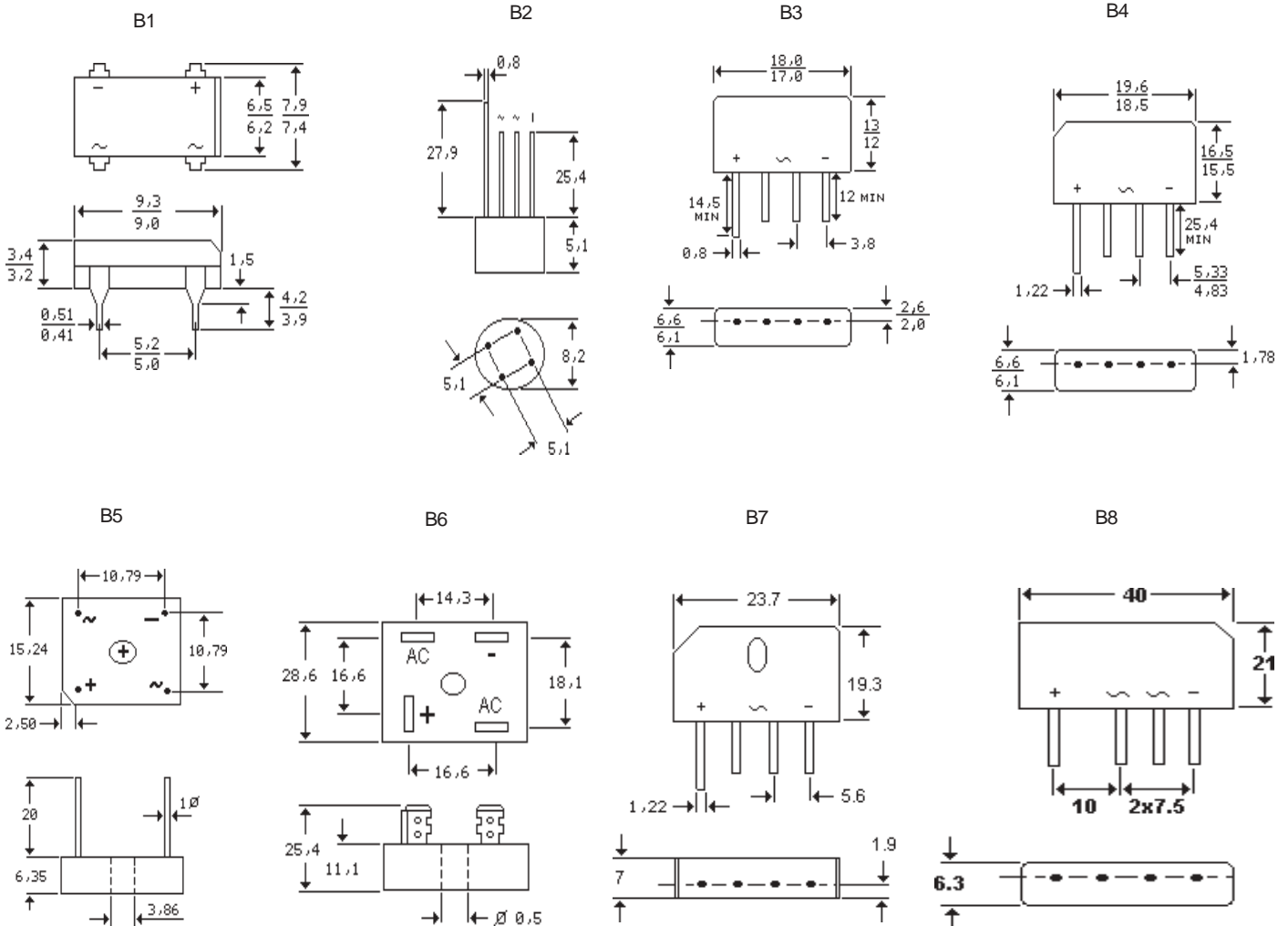
N°d'art.	Type	Boîtier	U _{OUT}	U _{IN}	I _{OUT}	Isolation E/S	Prix 1...
70420^P	NTE0505M	SMD	5V	5V	200mA	1000V	5.00
70005^P	TME2405S	SIL4	5V	24V±10%	200mA	1000V	4.00
70397^P	RE2405S	SIL7	5V	24V	200mA	2000V	5.00
70391^P	SRL5005-12	DIL24	5,1V	7-40V	1000mA	-	5.00
70392^P	ERL0510-10	DIL24	5V	9-32V	2000mA	-	5.00
70080^P	TSM0512	SMD	±12V	5V	±40mA	1000V	6.00
70414^P	TMV0512DEN	SIL7	±12V	5V	±40mA	3000V	6.00
70393^P	Q5R12	DIL24	+ or -12V	4,75-5,25V	80mA	500V	12.00
70394^P	NMV1215S	SIL5	±15V	12V	±33mA	3000V	8.00
70390^P	TEM3-2422	DIL24	±15V	24V±10%	100mA	1000V	18.00

REDRESSEURS AU SILICIUM

Abréviation:

I_N = Courant nominal
 U_{RN} = Tension inverse nominal
 U_{NRMS} = Tension nominale
 I_{FSM} = Courant de pointe (8,3ms)

N°d'art.	Type	Boîtier	I_N	U_{RN}	U_{NRMS}	I_{FSM}	Prix 1...	25...
27332	DF06M	B1	1A	600V	420V	30A	0.40	0.30
95100	DF02S	B1 / SMD	1A	200V	-	30A	0.30	0.20
73007	DF04S	B1 / SMD	1A	400V	-	30A	0.40	0.30
95101	DF06S	B1 / SMD	1A	600V	-	30A	0.50	0.40
95102	DF10S	B1 / SMD	1A	1000V	-	30A	0.55	0.45
27342	RB152	B2	1,5A	200V	140V	40A	0.50	0.40
27344	W06G	B2	1,5A	600V	420V	40A	0.55	0.45
20019	2W08G	B2	2A	800V	560V	60A	0.50	0.40
27350	PBP201	B3	2A	200V	140V	50A	0.80	0.65
27352	PBP206	B3	2A	800V	560V	50A	0.85	0.70
27362	PBL406	B4	4A	600V	420V	200A	0.90	0.70
27388*	B40C5000	B8	5A	40V	80V	250A	1.40	1.10
27372	KBPC606	B5	6A	600V	420V	125A	1.60	1.30
27387*	KBU8B	B7	8A	100V	70V	300A	1.00	0.80
27386	KBU810	B7	8A	1000V	700V	300A	1.20	1.00
27384	KBPC35010	B6	35A	1000V	-	300A	3.90	3.30



Liste de transistors équivalents (par ordre alphabétique)

Cette liste comporte les types de transistors les plus courants, qui ne font pas partie de notre programme de vente, mais dont nous pouvons fournir l'équivalent (=) ou un type approchant (~).

BC108	=	BC548C	BC332	~	BC547B	ZTX531	~	BC327	2SC641	~	BC547B
BC109B	=	BC547B	BC333	~	BC548C	ZTX537	~	BC327	2SC644	~	BC548C
BC115	~	BC547B	BC347	~	BC547B	ZTX538	~	BC328	2SC648	~	BC548C
BC116	~	BC557B	BC348	~	BC548C	ZTX80	~	2N2222A	2SC693	~	BC547B
BC118	~	BC547B	BC350	~	BC557B	ZTX82	~	2N2222A	2SC711	~	BC547B
BC119	~	BFY51	BC351	~	BC558	ZTX84	~	2N2222A	2SC715	~	BC547B
BC120	~	BFY51	BC352	~	BC558	ZTX89	~	2N2222A	2SC733	~	BC547B
BC125	~	BC337	BC354	~	BC558	ZTX92	~	2N1893	2SC773	~	BC337
BC126	~	BC328	BC355	~	BC558	ZTX93	~	2N1893	2SC814	~	BC338
BC129	~	BC547B	BC358	~	BC548C	2N914	~	2N3904	2SC815	~	BC337
BC130	~	BC548C	BC381	~	BC327	2N2218	=	2N2222A	2SC828	~	BC547B
BC132	~	BC548C	BC385	~	BC547B	2N2906	=	2N2904	2SC838	~	BC547B
BC134	~	BC547B	BC386	~	BC548C	2N2906A	=	2N2904	2SC870	~	BC547B
BC137	~	BC327	BC389	~	BC547B	2N2907	=	2N2905A	2SC894	~	BC548C
BC138	~	2N2219A	BC407	~	BC547B	2N2907A	=	2N2905A	2SC899	~	BC547B
BC147	~	BC547B	BC408	~	BC548C	2N2946	~	BC557B	2SC984	~	BC337
BC148	~	BC548C	BC417	~	BC557B	2N3642	~	BC337	2SC1000	~	BC547B
BC149B	~	BC547B	BC418	~	BC558	2N3644	~	BC327	2SC1204	~	BC547B
BC157	~	BC557B	BC425	~	BC327	2N3702	=	BC327	2SC1213	~	BC547B
BC158	~	BC558C	BC427	~	BC327	2N3703	=	BC327	2SC1214	~	BC337
BC159B	~	BC559B	BC437	~	BC547B	2N3704	=	BC337	2SC1317	~	BC338
BC167	~	BC547B	BC438	~	BC548C	2N3705	=	BC337	2SC1318	~	BC337
BC168	~	BC548C	BC467	~	BC547B	2N3708	=	BC548C	2SC1328	~	BC547B
BC169	~	BC548C	BC468	~	BC548C	2N3709	=	BC548C	2SD261	~	BC337
BC170	~	BC548C	BC513	~	BC328	2N3710	=	BC548C			
BC171	~	BC547B	BC514	~	BC328	2N4400	=	BC337			
BC172	~	BC548C	BC546P	~	BC546	2N4401	~	BC337			
BC173B	~	BC549B	BC548C	~	BC547C	2N4402	~	BC327			
BC174	~	BC546	BC557P	~	BC557B	2N4403	~	BC327			
BC177	=	BC557B	BC558P	~	BC558	2N5447	~	BC557B			
BC180	~	BC547B	BCW47	~	BC547B	2N5754	~	BT137-500			
BC181	~	BC557B	BCW48	~	BC548C	2N5755	~	BT137-500			
BC190	~	BC546	BCW57	~	BC557B	2N5756	~	BT137-500			
BC192	~	BC328	BCW58	~	BC558	2N6155	~	BT138-500			
BC194	~	BC337	BCY42	~	BC107	2SA561	~	BC212B			
BC204	~	BC557B	BCY43	~	BC547B	2SA672	~	BC557B			
BC205	~	BC558C	BCY58P	~	BC548C	2SA673	~	BC327			
BC206B	~	BC559B	BCY59P	~	BC547B	2SA677	~	BC328			
BC207	~	BC547B	BCY76	~	BC107	2SA678	~	BC327			
BC208	~	BC548C	BD262	=	BD678	2SA683	~	BC327			
BC209B	~	BC549B	BD262B	=	BD682	2SA704	~	BC328			
BC215	~	BC327	BD263	=	BD677	2SA705	~	BC327			
BC221	~	BC328	BD263B	=	BD681	2SA719	~	BC328			
BC222	~	BC337	BD529	~	BD237	2SA730	~	BC328			
BC223	~	BC337	BD530	~	BD238	2SC321	~	BC337			
BC225	~	BC557B	BD561	~	BD437	2SC362	~	BC548C			
BC231	~	BC327	BD562	~	BD438	2SC366	~	BC337			
BC232	~	BC337	BF194	~	BF494	2SC367	~	BC337			
BC250	~	BC558C	BF196	~	BF198	2SC368	~	BC547B			
BC251	~	BC557B	BF197	~	BF199	2SC369	~	BC547B			
BC251A	~	BC557B	BF254	~	BF494	2SC371	~	BC548C			
BC252	~	BC558C	BUZ10A	~	BUK455/50A	2SC372	~	BC547B			
BC252A	~	BC558C	BUZ20	~	IRF540	2SC373	~	BC547B			
BC255	~	BC337	BUZ41A	~	IRF630	2SC377	~	BC547B			
BC257	~	BC557B	ZTX223	~	BC337	2SC401	~	BC547B			
BC258	~	BC558C	ZTX350	~	BC557B	2SC402	~	BC547B			
BC267	~	BC337	ZTX3702	=	BC327	2SC403	~	BC547B			
BC268	~	BC338	ZTX3703	=	BC327	2SC404	~	BC547B			
BC269	~	BC338	ZTX3704	=	BC337	2SC458	~	BC548C			
BC270	~	BC338	ZTX3705	=	BC337	2SC478	~	BC547B			
BC271	~	BC338	ZTX3708	=	BC548C	2SC536	~	BC547B			
BC272	~	BC337	ZTX3709	=	BC548C	2SC537	~	BC548C			
BC281C	~	BC337	ZTX3710	=	BC548C	2SC538	~	BC547B			
BC295	~	BC548C	ZTX3904	=	2N3904	2SC587	~	BC547B			
BC297	~	BC327	ZTX3906	=	2N3906	2SC619	~	BC548C			
BC298	~	BC328	ZTX4400	~	BC337	2SC620	~	BC337			
BC315	~	BC557B	ZTX4401	~	BC337	2SC631	~	BC547B			
BC320	~	BC327	ZTX4402	~	BC327	2SC632	~	BC547B			
BC321	~	BC327	ZTX4403	~	BC327	2SC633	~	BC547B			
BC330	~	BC547B				2SC634	~	BC547B			

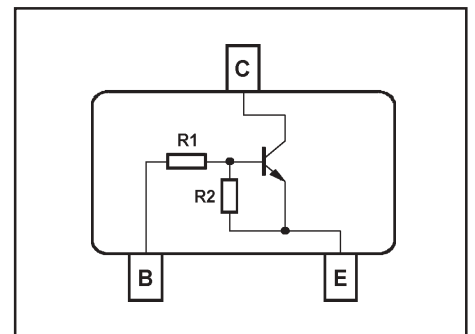
TRANSISTORS "SMD"

N°d'art.	Type	Boîtier	Pol.	V _{ceo} (max) V	V _{cbo} (max) V	I _c (max)	P _{tot} (max) W	h _{ie} min - max @I _c	Typ f _T (MHz)	Prix 1...	25...
93700	BC807-25	SOT-23	PNP	45	-	500mA	0.3	160-400 @100mA	100	0.10	0.08
93702	BC807-40	SOT-23	PNP	45	-	500mA	0.3	250-650 @100mA	100	0.06	0.04
93705	BC817-25	SOT-23	NPN	45	-	500mA	0.25	160-400@100mA	200	0.08	0.05
93706	BC817-40	SOT-23	NPN	45	-	500mA	0.25	250-650 @100mA	200	0.06	0.04
79803*	BC846A	SOT-23	NPN	65	80	100mA	0.25	110-220 @2mA	100	0.12	0.09
93708	BC846B	SOT-23	NPN	65	80	100mA	0.25	200-450 @2mA	100	0.12	0.09
93710	BC847B	SOT-23	NPN	45	50	100mA	0.25	200-450 @2mA	300	0.08	0.06
93711	BC847C	SOT-23	NPN	45	50	100mA	0.25	420-800 @2mA	300	0.15	0.08
93716	BC848C	SOT-23	NPN	30	30	100mA	0.25	420-800 @2mA	300	0.10	0.08
93718	BC849B	SOT-23	NPN	30	30	100mA	0.25	200-450 @2mA	300	0.20	0.15
79823	BC856A	SOT-23	PNP	65	80	100mA	0.25	125-250 @2mA	150	0.15	0.10
93720	BC856B	SOT-23	PNP	65	80	100mA	0.25	200-450 @2mA	150	0.06	0.04
73202	BC858B	SOT-23	PNP	30	-	100mA	0.25	220-475 @2mA	150	0.15	0.10
79811	BCV27	SOT-23	NPN	30	40	500mA	0.25	>10000@10mA	220	0.15	0.10
79810	BCW66F	SOT-23	NPN	45	75	800mA	0.32	100-250@100mA	170	0.12	0.08
79807	BCW71	SOT-23	NPN	45	50	100mA	-	110-220 @2mA	100	0.15	0.10
79814	BCX19	SOT-23	NPN	45	50	500mA	0.25	100-600@100mA	100	0.18	0.14
93732	BCX51-16	SOT-89	PNP	45	-	1A	-	100-250 @150mA	-	0.35	0.20
79812	BCX54-16	SOT-89	NPN	45	45	1A	1.30	100-250@150mA	130	0.35	0.20
93731	BCX56-16	SOT-89	NPN	80	100	1A	1.00	100-250 @150mA	100	0.35	0.20
93730	BCX70-K	SOT-23	NPN	45	45	200mA	0.25	380-630 @2mA	250	0.18	0.13
79815	BF720	SOT-223	NPN	300	300	100mA	1.2	50@25mA	60	0.50	0.40
79809	BFR93A	SOT-23	NPN	12	15	35mA	0.30	40-90@30mA	6000	0.40	0.30
79801	BFS17	SOT-23	NPN	15	25	25mA	0.30	25-90 @25mA	1000	0.20	0.15
93750	BFS20	SOT-23	NPN	20	30	25mA	0.25	-	450	0.25	0.20
79799	BSR14	SOT-23	NPN	40	75	800mA	0.25	100-300@150mA	300	0.15	0.10
73208*P	FMMT596	SOT-23	PNP	200	220	300mA	0.50	85-300@250mA	150	0.70	0.50
79716*	FZT792A	SOT-223	PNP	70	75	2A	2	200@1A	160	0.80	0.60
90412 ^P	MJD31C	D-PACK	NPN	100	-	3A	15	25@1A	3	0.50	0.30
93770	MMBT2222A	SOT-23	NPN	40	75	600mA	0.225	100-300 @150mA	200	0.05	0.03
93771	MMBT2907A	SOT-23	PNP	60	60	600mA	0.225	100-300 @150mA	200	0.15	0.10
96769	MMBT5550A	SOT-23	NPN	140	150	600mA	0.350	60-250 @10mA	-	0.10	0.08
79822	MMBTA13	SOT-23	NPN	30	30	300mA	0.225	10000 @100mA	125	0.15	0.10
79717	PMBTA56	SOT-23	PNP	80	80	500mA	0.25	100@10/100mA	50	0.15	0.10
79718	PMBTA92	SOT-23	PNP	300	300	100mA	0.25	40@10mA	50	0.15	0.10
79818 ^P	BC847BS	SOT-363	2xNPN	45	50	100mA	0.30	200-450 @2mA	100	0.15	0.10
79800*	BFS480	SOT-363	2xNPN	8	10	10mA	0.08	30-200@3mA	7500	2.20	1.90

DIGITAL TRANSISTORS "SMD" SOT23

Switching circuit, inverter, interface circuit, driver circuit

N°d'art.	Type	R1	R2	V _{CEO} /V _{CBO}	V _{I(ON)}	I _c	Prix 1...	25...
79821	BCR116	4K7	47K	50V	15V	100mA	0.15	0.10
79820	BCR142	22K	47K	50V	30V	100mA	0.05	0.03



TRANSISTORS "Standard"

N°d'art.	Type	Boîtier	Pol.	V _{ceo} (max) V	V _{cbo} (max) V	I _c (max)	P _{tot} (max) W	h _{fe} min - max @I _c	Typ f _T (MHz)	Prix 1...	25...
90370	2N1711	TO-5	NPN	30	75	1A	0.8	100-300 @0.15A	70	0.80	0.70
90378	2N2904	TO-39	PNP	40	60	0.6A	0.6	40-120 @0.15A	>200	1.00	0.90
90380	2N2905A	TO-5	PNP	60	60	0.6A	0.6	100-300 @0.15A	200	0.80	0.70
90377	2N2907A	TO-18	PNP	60	60	0.6A	0.4	100-300 @0.15A	200	0.60	0.50
27408	2N3055	TO-3	NPN	60	100	15A	115	15-120 @1A	2.5	2.50	1.80
27412	2N3772	TO-3	NPN	60	80	20A	150	15-60 @10A	0,8	5.60	5.00
27414	2N3773	TO-3	NPN	140	160	16A	150	15-60 @8A	-	4.00	3.50
90383	2N3904	TO-92a	NPN	40	60	200mA	0.35	100-300 @10mA	300	0.10	0.08
90384	2N3906	TO-92a	PNP	40	40	200mA	0.35	100-300 @10mA	250	0.10	0.08
50051	2N3440	TO-39	NPN	250	-	1A	-	40 @20mA	15	1.30	1.10
P0123*	2N5416	TO-39	PNP	350	300	1A	10	30-120 @0.50A	15	1.50	1.30
P0125*	2N5682	TO-39	NPN	120	80	1A	10	40-150 @0.25A	30	1.50	1.30
90390*	BC140-10	TO-39	NPN	40	80	1A	0.8	63-160 @0.1A	>50	0.40	0.50
90392*	BC141-10	TO-39	NPN	60	100	1A	0.8	63-160 @0.1A	>50	0.50	0.40
90394*	BC160-10	TO-39	PNP	40	40	1A	0.8	40-100 @0.1A	>50	0.60	0.50
90395*	BC161-10	TO-39	PNP	60	60	1A	0.8	40-100 @0.1A	>50	0.60	0.50
90396*	BC161-16	TO-39	PNP	60	60	1A	0.8	100-250 @0.1A	>50	0.60	0.50
90406*	BC178B	TO-18	PNP	25	30	200mA	-	180-460 @2mA	200	0.60	0.50
90399*	BC179A	TO-18	PNP	20	25	100mA	0.3	125-260 @2mA	150	0.80	0.70
78073*	BC182A	TO-92	NPN	50	60	100mA	0.3	125-260 @2mA	100	0.50	0.40
90400	BC327-25	TO-92	PNP	45	50	500mA	0.7	160-400 @100mA	100	0.10	0.08
90556	BC328	TO-92	PNP	25	30	500mA	0.8	100-600 @100mA	100	0.10	0.08
90557	BC337-25	TO-92	NPN	45	50	500mA	0.8	160-400 @100mA	200	0.10	0.08
90558	BC338	TO-92	NPN	25	30	500mA	0.8	100-600 @100mA	200	0.10	0.08
90559	BC546B	TO-92	NPN	65	80	100mA	0.5	200-450 @2mA	300	0.10	0.08
90560	BC547C	TO-92	NPN	45	50	100mA	0.5	380-600 @2mA	300	0.10	0.07
90564	BC557B	TO-92	PNP	45	50	100mA	0.5	180-475 @2mA	150	0.08	0.05
90566	BC559B	TO-92	PNP	30	30	100mA	0.5	220-475 @2mA	150	0.10	0.08
90405	BC640	TO-92d	PNP	80	100	1A	1	40-200 @0.15A	50	0.15	0.10
90420	BCY56	TO-18	NPN	45	45	100mA	0.3	100-450 @2mA	85	1.90	1.50
90424	BCY70	TO-18	PNP	40	50	200mA	0.35	100(min) @10mA	450	2.50	2.10
90425	BCY71	TO-18	PNP	45	45	200mA	0.35	100-400 @10mA	450	2.80	2.70
90432	BD132	TO-126	PNP	45	45	3A	15	40(min) @0,5A	>60	1.90	1.70
16020	BD135	TO-126	NPN	45	45	1A	8	40-250 @0,15A	250	0.80	0.60
16022	BD136	TO-126	PNP	45	45	1A	8	40-250 @0,15A	75	0.50	0.40
16024	BD137	TO-126	NPN	60	60	1A	8	40-250 @0,15A	250	0.80	0.60
16026	BD138	TO-126	PNP	60	60	1A	8	40-250 @0,15A	75	0.70	0.50
16028	BD139	TO-126	NPN	80	100	1A	8	40-250 @0,15A	250	0.50	0.40
16030	BD140	TO-126	PNP	80	100	1A	8	40-250 @0,15A	75	0.60	0.50
90452*	BD233	TO-126	NPN	45	45	2A	25	40-250 @0,15A	>3	2.60	2.30
90453*	BD234	TO-126	PNP	45	45	2A	25	40-250 @0,15A	>3	1.60	1.30
90456	BD237	TO-126	NPN	80	100	2A	25	40-250 @0,15A	>3	0.60	0.50
90457	BD238	TO-126	PNP	80	100	2A	25	40-250 @0,15A	>3	0.60	0.50
27400	BD241C	TO-220b	NPN	100	100	5A	40	25(min) @1A	>3	0.90	0.80
27402	BD242C	TO-220b	PNP	100	100	5A	40	25(min) @1A	>3	0.50	0.40
27404	BD243C	TO-220b	NPN	100	100	8A	65	15(min) @3A	>3	0.90	0.70
27406	BD244C	TO-220b	PNP	100	100	8A	65	15(min) @3A	>3	1.30	1.10
27424	BD245C	TO-218	NPN	100	110	10A	80	20-100 @3A	3	1.80	1.60
90471	BD437	TO-126	NPN	45	45	4A	36	85-375 @0,5A	>3	0.70	0.60
90472	BD438	TO-126	PNP	45	45	4A	36	85-375 @0,5A	>3	0.60	0.50
90779	BD645	TO-220b	NPN	60	80	8A	62	750(min) @3A	-	2.50	2.10
90474	BD677	TO-126	NPN	60	60	4A	40	750(min) @1,5A	7	0.50	0.40
90476	BD678	TO-126	PNP	60	60	4A	40	750(min) @1,5A	7	0.50	0.40
90478	BD681	TO-126	NPN	100	100	4A	40	750(min) @1,5A	7	0.50	0.40
90480	BD682	TO-126	PNP	100	100	4A	40	750(min) @1,5A	7	0.50	0.40

TRANSISTORS "Standard" suite

N°d'art.	Type	Boîtier	Pol.	Vceo (max) V	Vcbo (max) V	Ic (max)	Ptot (max) W	h _{fe} min - max @Ic(mA)	Typ f _T (MHz)	Prix 1...	25...
84012	BDW42	TO-220b	NPN	100	-	15A	85	1k(min) @5A	4	1.40	1.20
84013	BDW47	TO-220b	PNP	100	-	15A	85	1k(min) @5A	4	1.40	1.20
F0211*	BDW74B	TO-220b	PNP	80	80	8A	80	750(min) @3A	-	1.80	1.60
78076*	BDW74D	TO-220b	PNP	120	120	8A	80	750(min) @3A	-	1.90	1.70
84014	BDW83C	TO-218	NPN	100	100	15A	130	750(min) @6A	-	3.80	3.20
90483	BDX33C	TO-220b	NPN	100	100	10A	70	750(min) @4A	-	0.50	0.40
90482	BDX34C	TO-220b	PNP	100	100	10A	70	750(min) @ 4A	-	0.50	0.40
90486*	BDX47	TO-126	PNP	80	100	1A	5	1500(min) @0,5A	-	3.90	3.30
90488	BF198	TO-92c	NPN	30	40	25mA	0.5	400(typ)	400	2.10	1.80
90489	BF199	TO-92c	NPN	25	40	25mA	0.5	550(typ)	550	2.10	1.80
90567*	BF240	TO-92c	NPN	40	40	25mA	0.25	65-220 @1A	380	0.40	0.30
90499	BF459	TO-126	NPN	300	300	0,1A	6	30-80 @30mA	90	1.90	1.70
90500	BF494	TO-92c	NPN	20	30	30mA	0.3	115(typ) @1A	260	0.60	0.50
90501*	BFY50	TO-39	NPN	35	80	1A	0.8	112 @150mA	140	4.70	4.30
90502*	BFY51	TO-39	NPN	30	60	1A	0.8	123 @150mA	160	4.70	4.30
90503*	BFY52	TO-39	NPN	20	40	1A	0.8	142 @150mA	185	4.70	4.30
90505	BSX20	TO-18	NPN	15	40	0.5A	0.8	20-60 @10mA	500	1.10	0.80
90517	BU508AF-I	TO-218	NPN	700	1500	8A	125	2.25 @3A	-	1.90	1.50
90521	BUV46	TO-220b	NPN	400	850	5A	70	5 @2.5A	-	1.50	1.30
27416	BUX48	TO-3	NPN	400	850	15A	175	8 @10A	-	8.50	7.90
27417 ^P	BUX98	TO-3	NPN	400	850	30A	250	-	-	15.00	13.00
20011	MJ2501	TO-3	PNP	80	80	10A	150	1000 @5A	-	3.50	3.10
27410	MJ2955	TO-3	PNP	60	100	15A	115	15-120 @1A	2.5	2.10	1.70
78165	MJ3001	TO-3	NPN	80	80	10A	150	1000 @5A	-	4.50	3.80
F0094	MJE13005	TO-220b	NPN	400V	-	4A	75	8-40 @2A	-	1.20	0.90
50300	MPS2369	TO-92a	NPN	15	40	0.2A	0.625	40 @10mA	500	0.90	0.70
27420	TIP31C	TO-220b	NPN	100	100	3A	40	10-50 @3A	3	1.00	0.80
27422	TIP32C	TO-220b	PNP	100	100	3A	40	10-50 @3A	3	1.20	1.00
27426	TIP34C	P1	PNP	100	100	10A	80	20-100 @3A	3	1.90	1.70
27430	TIP42C	TO-220b	PNP	100	100	6A	65	15-75 @3A	3	1.50	1.30
F0212	TIP50	TO-220b	NPN	400	500	1A	40	30-150 @300mA	10	0.80	0.70
86517	TIP110	TO-220b	NPN	60	60	2A	50	1000(Typ) @1A	-	1.20	0.80
86520*	TIP111	TO-220b	NPN	80	80	2A	50	1000(Typ) @1A	-	0.90	0.70
86518	TIP115	TO-220b	PNP	60	60	4A	50	1000(Typ) @1A	-	1.20	0.80
27435	TIP120	TO-220b	NPN	60	60	5A	65	1000(Typ) @3A	-	1.40	1.10
27432	TIP122	TO-220b	NPN	100	100	5A	65	1000(Typ) @3A	-	1.10	0.90
27434	TIP127	TO-220b	PNP	100	100	5A	65	1000(Typ) @3A	-	1.10	0.90
27421	TIP135	TO-218	PNP	60	60	8A	70	1000(Typ) @4A	-	1.50	1.20
78093	TIP141	TO-218	NPN	80	80	10A	125	1000(Typ) @5A	-	1.30	1.00
27442	TIP142	TO-218	NPN	100	100	10A	125	1000(Typ) @5A	-	2.40	2.10
84028*	TIP145	TO-218	PNP	60	60	10A	125	1000(Typ) @5A	-	2.90	2.50
27447	TIP147	TO-218	PNP	100	100	10A	125	1000(Typ) @5A	-	2.50	2.20
F0092	TIP152	TO-220b	NPN	400	400	7A	80	50(Typ) @5A	-	2.10	1.80

**MOSFETs / Cool MOS Transistor / PROFET / Smart High-Side Power Switch
STANDARD TYPES**

N°d'art.	Type	Canal	Boîtier	V _{DS} max	I _D max	P _{tot} max	R _{DS ON} Ohm	Prix 1...	25...	
F0093*	BUZ71A	N	TO-220a	50V	13A	40W	0,12	1.70	1.50	
F0081*	BUZ71	N	TO-220a	50V	15A	40W	0,1	1.80	1.60	
90526	BUK455/50A	N	TO-220a	50V	41A	125W	0,038	2.30	2.00	
90538	2N7000	N	TO-92s	60V	0,2A	0,4W	5	0.10	0.08	
90411	BS170	N	TO-92f	60V	0,5A	0,83W	1,2	0.10	0.08	
78059^P	IRFZ34	N	TO-220a	60V	30A	88W	0,05	0.95	0.70	
70407^P	SUP85N08-8	N	TO-220a	75V	85A	-	0,008	2.90	2.40	
90381^P	AOT410L	N	SDMOS	TO-220a	100V	150A	333W	0.0065	3.20	2.80
70408*	BUZ72A	N	SIPMOS	TO-220a	100V	9A	40W	0,25	0.90	0.70
F0079	IRF520	N	TO-220a	100V	9,2A	60W	0,27	1.10	0.90	
90529	IRF530	N	TO-220a	100V	15A	63W	0,11	0.50	0.40	
90408^P	IRF1540N	N	TO-220a-ISO	100V	20A	54W	0,052	1.20	1.00	
90527	IRF540	N	TO-220a	100V	27A	125W	0,085	0.50	0.40	
F0102	IRF3710Z	N	TO-220a	100V	59A	160W	0,018	1.00	0.80	
84203	IRF1640G	N	TO-220a-ISO	200V	9.8A	40W	0,18	2.10	1.90	
95431^P	IRFB4227	N	HEXFET	TO-220a	200V	130A	330W	0,0197	2.80	2.50
27452^P	IRFD320	N	DIL4	400V	0,49A	1W	1,8	1.60	1.30	
84204	IRF1740G	N	TO-220a-ISO	400V	5,4A	40W	0,55	2.20	1.90	
90532	IRF1840G	N	TO-220a-ISO	500V	4,5A	40W	0,85	2.40	2.20	
90531	IRF830	N	TO-220a	500V	4,5A	75W	1,5	0.80	0.60	
84206^P	SPA20N60C3	N	Cool MOS	TO-220a-ISO	600V	20,7A	34,5W	0,19	4.50	3.90
84210^P	IPA60R190C6	N	Cool MOS	TO-220a-ISO	600V	20,2A	34W	0,19	4.50	3.90
84208^P	IPI90R340C3	N	Cool MOS	TO-262	900V	15A	208W	0,34	7.20	6.10
P0676	2SK1119F	N	MOS	TO-220a	1000V	4A	100W	3	6.10	5.40
78060^P	BS250	P		TO-92f	45V	0,25A	0,83W	9	0.50	0.30
F0065	BUZ271	P	SIPMOS	TO-220a	50V	22A	125W	0,1	1.50	1.20
F0245	SPP18P06P	P	SIPMOS	TO-220a	60V	8,8A	42W	0,3	0.70	0.50
90530	IRF9530	P		TO-220a	100V	12A	65W	0,3	1.00	0.80
90525	IRF9540	P		TO-220a	100V	19A	125W	0,2	1.00	0.70
90573	IRLZ34N	N	Logic Level	TO-220a	55V	30A	50W	0,035	0.70	0.60
90534	RFP12N10L	N	Logic Level	TO-220a	100V	12A	60W	0,2	0.90	0.70
90410	SPP70N10L	N	Logic Level	TO-220a	100V	70A	250W	0,016	1.70	1.40
90533	RFP2N20L	N	Logic Level	TO-220a	200V	2A	25W	3,5	1.80	1.60

**MOSFETs / Cool MOS Transistor / PROFET / Smart High-Side Power Switch
SMD TYPES**

N°d'art.	Type	Canal		Boîtier	V _{DS} max	I _D max	P _{tot} max	R _{DS ON} Ohm	Prix 1...	25...
79806^P	BF998	N	Dual Gate	SOT-143	12V	30mA	0,36W	-	0.40	0.30
79808[*]	BF992	N	Dual Gate	SOT-143	20V	40mA	0,20W	-	0.35	0.23
84140^P	NTD20N03L	N		DPACK	30V	20A	74W	0.027	1.20	0.90
95414^P	IRLR3114Z	N	MOSFET	DPACK	40V	130A	140W	0.0049	1.40	1.00
95401	IRFR024N	N		DPACK	55V	16A	38W	0,07	1.00	0.80
F0056	IRFZ44NS	N	HEXFET	DPACK	55V	49A	94W	0,0175	1.50	1.20
90539	2N7002	N		SOT-23/3	60V	0,15A	0,30W	5	0.10	0.08
79720	MMBF170	N		SOT-23/3	60V	0,5A	0,30W	1,2	0.10	0.08
79855[*]	MMFT3055VL	N		SOT-223	60V	1A	2,1W	0,040	1.10	0.90
79721^P	NTF3055L108	N		SOT-223	60V	3A	-	0,12	0.80	0.65
73026^P	FDS5680	N		SO-8	60V	8A	2,5W	0,025	1.80	1.30
F0062[*]	STD12NE06L	N		DPACK	60V	12A	35W	0,12	1.50	1.30
F0075[*]	MTD15N06VL	N		DPACK	60V	15A	60W	0,085	1.60	1.40
79816[*]	BST80	N	D-MOS	SOT-89	80V	500mA	1W	2	0.50	0.40
50061^P	IRLL110	N	MOSFET	SOT-223	100V	1,5A	3,1W	0.54	0.60	0.50
95410	IRFR110	N	MOSFET	DPACK	100V	4,3A	25W	0.54	0.90	0.60
95413	IRF530S	N	MOSFET	D ² PACK	100V	14A	88W	0.16	1.60	1.20
95411^P	IRFS4010	N	MOSFET	D ² PACK	100V	180A	375W	0.0039	4.80	4.30
95420	IRFR220	N	MOSFET	DPACK	200V	5A	43W	0.60	0.70	0.50
84209^P	IRFS4227	N	MOSFET	D ² PACK	200V	62A	330W	0,022	2.90	2.50
95412^P	TK4P60DA	N	MOSFET	DPACK	600V	3.5A	80W	1,7	0.95	0.75
84207	FCB20N60TM	N	MOSFET	D ² PACK	600V	20A	208W	0,15	6.50	5.90
79802^P	BSS138	N	Logic Level	SOT-23/3	50V	0,22A	0,36W	6	0.10	0.08
F0061[*]	STD20N06L	N	Logic Level	DPACK	60V	12A	45W	0.15	0.80	0.50
F0073[*]	MTD20N06HL	N	Logic Level	DPACK	60V	20A	40W	0.045	1.40	1.20
79719[*]	FDV302P	P	Logic Level	SOT23/3	25V	0,12A	0,35W	10	0.20	0.15
F0068[*]	MTD20P06HL	P	Logic Level	DPACK	60V	20A	72W	0.175	1.30	1.10
95430^P	IRF5210	P	HEXFET	D ² PACK	100V	38A	170W	0,06	2.20	1.90
F0077^{*P}	SI9942DY	N/P	Dual	SO-8	20V	3/2,5	2W	0,125/0,200	1.20	1.00
F0057^{*P}	SI4948EY	P/P	Dual	SO-8	60V	3,1	2,4W	0,12	1.20	1.00
50062^P	FDN338P	P		SOT-23/3	20V	1,6A	0,5W	0,12	0.40	0.30
73027^P	FDS4435	P		SO-8	30V	8,8A	2,5W	0,035	0.90	0.60
93701	BSS84	P		SOT-23/3	50V	0,13A	0,36W	1,5	0.25	0.15
73024^P	FDD5614P	P		TO-252/DPACK	60V	15A	42W	0,13	0.70	0.60
79804[*]	BSP550		Mini-PROFET	SOT-223	-	1,7A	-	0,16	0.60	0.50
79805[*]	BTS4142N	N	Power Switch	SOT-223	45V	1,4A	-	0,2	2.10	1.80
F0253	BTS117E3044	N	Power Switch	P-TO220-3	60V	3,5A	-	0,1	3.90	3.40

THYRISTORS

N°d'art.	Type	Boîtier	V _{RRM} (max)	I _{T(RMS)} A	I _{T(AV)} A	V _{GT} (min) V	I _{GT} (min) mA	Prix 1...	25...
84003	TICP106M	TO-92	600V	2	-	0,4	0,06	1.60	1.40
90516	BT151-500R	TO-220c	50V	12	7,5	1,5	15	0.60	0.50
90518	BT152-400R	TO-220c	400V	20	13	1,5	32	0.60	0.50

TRIACS

N°d'art.	Type	Boîtier	V _{DRM} (max)	I _{T(RMS)} A	I _{TRM} A	V _{GT} (min) V	I _{GT} (min) mA	Prix1...	25...
86042^P	Z0103MA	TO-92	600V	1	8	0.2	3	0.60	0.50
78050	Z0409MF	TO-202-3	600V	4	-	1.5	10	0.90	0.70
78069	Z0405NF	TO-202-3	800V	4	-	1.3	5	0.70	0.60
90509	BT137-600	TO-220d	600V	8	55	1.5	35	0.50	0.40
F0095[*]	BTB08-600BRG	TO-220d	500V	8	55	1.5	50	1.60	1.40
90510	BT138-600	TO-220d	600V	12	-	1.3	35	0.60	0.50
78054	BTA12-700	TO-220d	700V	12	-	1.3	25	1.90	1.60
78056[*]	T1212MH	TO-220d	600V	12	-	-	50	9.00	8.00
90511	BT139-500	TO-220d	500V	16	15	1.5	35	0.60	0.50
90512	BTA16-600B	TO-220d-isolé	600V	16	-	-	50	1.20	1.00
F0098[*]	BTA140-600	TO-220d	600V	25	-	-	-	2.10	1.80

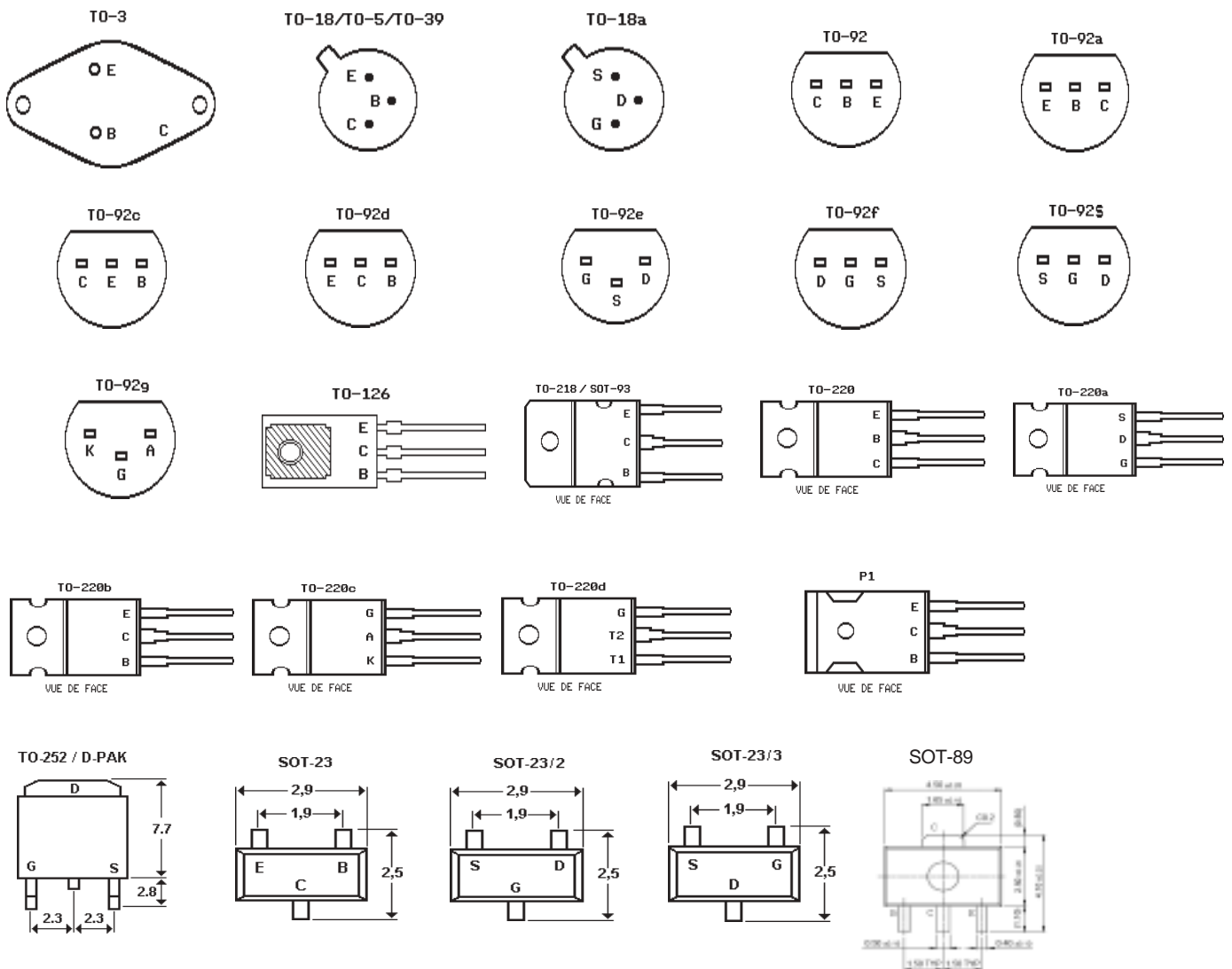
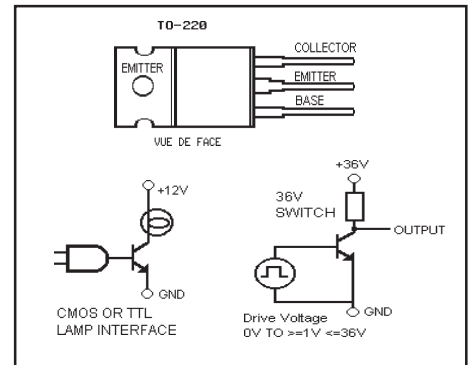
Transistors à effet de champ canal N + P (FET)

N°d'art.	Type	Boîtier	Canal	±V _{DS} V	P _{tot} (max) mW	-I _{GSS} (max) nA	I _{DSS} min-max mA	-V _{GS} max V	C _{rs} typ pF	Prix 1...	25...
90385	2N4393	TO-18a	N	40	1800	0,1	5-30	3	3,5	2.30	2.05
90491	BF245B	TO-92e	N	30	300	5	6-15	8	1,1	1.90	1.60
90495	BF256A	TO-92e	N	30	300	5	3-7	-	-	2.80	2.60
90496	BF256B	TO-92e	N	30	300	5	6-13	-	0,7	0.30	0.20
90497	BF256C	TO-92e	N	30	300	5	11-18	-	0,7	0.30	0.20
90498	BFW10 [*]	TO-72	N	30	300	0,1	8-20	8	0,6	5.50	5.00
00100	U426	M-Can 7	N	40	-	-	-	-	-	12.00	9.00
31673[*]	J174 [*]	TO-92f	P	30	350	1	20-100	10	-	2.90	2.40
31678[*]	J177 [*]	TO-92f	P	30	350	1	1,5-20	2,25	-	4.50	4.00
95300	BFR30-SMD	SOT-23/2	N	25	250	0,2	4-10	5	-	0.60	0.50
73201	BFR31-SMD	SOT-23/2	N	25	250	0,2	1-50	2,5	-	0.80	0.70
79819[*]	BS250F-SMD	SOT-23/3	P	45	330	20	-	3,5	-	0.70	0.60
79817[*]	MMBFJ177L	SOT-23/2	P	25	225	1	1,5-20	2,5	-	0.50	0.40

LM395 Ultra Reliable Power Transistor

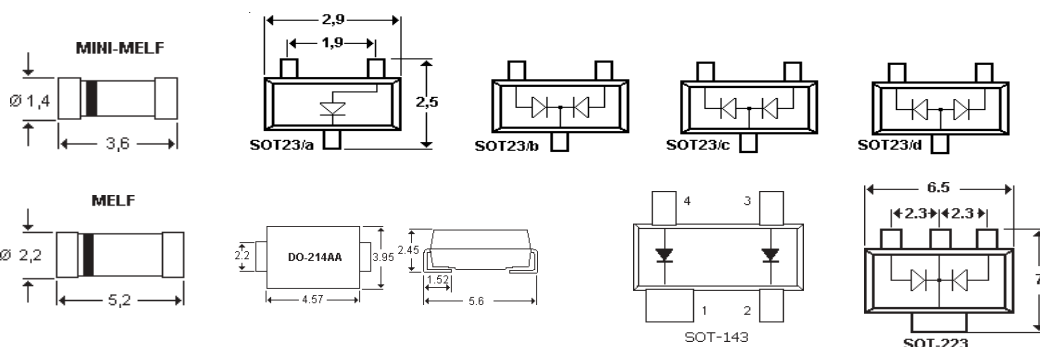
This device, which act as high gain power transistors, has included on the chip, current limiting, power limiting, and thermal overload protection making it virtually impossible to destroy from any type of overload. The LM395T will deliver load currents in excess of 1A (Typ. 2,2A) and can switch 36V in 500 ns. The inclusion of thermal limiting, a feature not easily available in discrete designs, provide virtually absolute protection against overload. Excessive power dissipation or inadequate heat sinking causes the thermal limiting circuitry to turn off the device preventing excessive heating. When the device is used as an emitter follower with low source impedance, it is necessary to insert a 5K resistor in series with the base lead to prevent possible oscillations. Directly interfaces with CMOS or TTL.

N°d'art.	Type	Prix 1...	25...
31975	LM395T	4.70	4.10



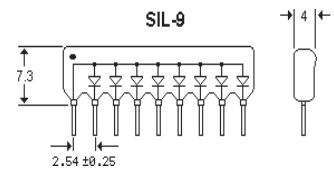
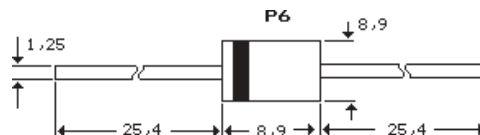
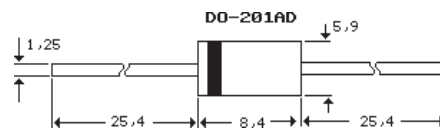
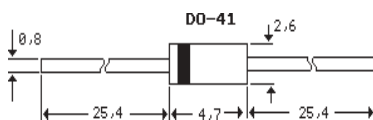
DIODES "SMD"

N°d'art.	Type	VR	IF	VF max @ IF		Boîtier	Prix 1...	25...
79653*P	BBY40	30	20mA		VARICAP	SOT-23/a	0.50	0.40
79660	LL101C	40	30mA	0.39V @ 1mA	Signal Schottky	Mini-Melf	0.13	0.10
79662	LL101A	60	30mA	0.41V @ 1mA	Signal Schottky	Mini-Melf	0.15	0.10
95540	BAS40-05	40	120mA	0.45V @ 10mA	Schottky	SOT-23/b	0.25	0.20
79658	BAT17	4	130mA	0.43V @ 10mA	Schottky	SOT-23/a	0.20	0.15
95500	LL4148	100	150mA	1V @ 10mA	=1N4148	Mini-Melf	0.05	0.03
95517	BAS85	30	200mA	0.40V @ 10mA	Schottky	Mini-Melf	0.10	0.08
79651	BAR43S	30	200mA	0.40V @ 10mA	Schottky	SOT23/c	0.20	0.15
73207	BAT54S	30	200mA	0.40V @ 10mA	Schottky	SOT23/c	0.20	0.15
79650	BAT54C	30	200mA	0.40V @ 10mA	Schottky	SOT23/b	0.25	0.10
79652	BAS32L	75	200mA	1V @ 100mA	High-Speed	Mini-Melf	0.13	0.08
79655	BAS28	75	200mA	1V @ 50mA	Switching	SOT-143	0.20	0.15
95516	BAS16	85	200mA	1V @ 50mA	Switching	SOT-23/a	0.13	0.08
79657	BAS31	90	200mA	0.9V @ 100mA	Avalanche	SOT23/c	0.10	0.08
79891*P	MMBD1504A	200	200mA	1.1V @ 200mA	Low leakage	SOT-23/b	0.20	0.15
95507	BAV70	70	215mA	1.25V @ 150mA	Switching	SOT-23/b	0.12	0.08
95506	BAW56	70	215mA	1.25V @ 150mA	Switching	SOT-23/d	0.15	0.10
95509	BAV99	75	215mA	1.25V @ 150mA	Switching	SOT-23/c	0.12	0.08
79869*	BAV99W	75	215mA	1.25V @ 150mA	Switching	SOT-323	0.12	0.08
73209	BAV23	200	225mA	1V @ 100mA	General purpose	SOT-143	0.50	0.30
95510	BAT64-04	40	250mA	0.40V @ 10mA	Schottky	SOT-23/c	0.20	0.15
79649	BAS21	200	250mA	1V @ 100mA	Switching	SOT-23/a	0.15	0.10
79678	LL4150	50	300mA	0,7V @ 10mA	Signal	Mini-Melf	0.10	0.08
79868	MBR0520LT	20	500mA	0.36V @ 500mA	Schottky	SOD-123	0.20	0.15
79677	GL34G	400	500mA	1,2V @ 500mA	Junction Rectifier	Mini-Melf	0.15	0.10
78044	10BQ015	15	1A	0,35V @ 1A	Schottky Rectifier	SMB/DO-214A	0.50	0.40
73006	1N5819M	40	1A	0,6V @ 1A	Schottky Rectifier	Melf	0.20	0.10
73005	SGL41-40	40	1A	0,5V @ 1A	Schottky Rectifier	Melf	0.45	0.35
79661	BYM13-40	40	1A	0,5V @ 1A	Schottky Rectifier	Melf	0.45	0.35
79708	MBRM140T	40	1A	0.55V @ 1A	Schottky Rectifier	DO-216AA	0.20	0.15
73018	BYM11-100	100	1A	1.3V @ 1A	Rectifier	Melf	0.28	0.18
79707	S1B	100	1A	1.1V @ 1A	Rectifier	DO-214A	0.13	0.09
79654	STPR120A	200	1A	0.94V @ 1A	Fast Recovery, Trr 35ns	SMA/DO-214AC	0.50	0.40
95520*	BAS79D	400	1A	1.6V @ 1A	Switching	SOT-223	1.80	1.50
73017	BYM10-400	400	1A	1.1V @ 1A	Rectifier	Melf	0.30	0.20
79670	GF1G	400	1A	1V @ 1A	Rectifier	SMA/DO-214AC	0.35	0.25
73014	S1G	400	1A	1.1V @ 1A	Rectifier	SMA/DO-214AC	0.15	0.10
79674*	S1M	1000	1A	1.1V @ 1A	Rectifier	SMA/DO-214AC	0.16	0.11
95150	BYM10-1000	1000	1A	1.1V @ 1A	Rectifier	Melf	0.27	0.20
79671	BYD17G	400	1,5A	1.05V @ 1A	Avalanche	SOD-87	0.40	0.30
95545	SS24	40	2A	0.5V @ 2A	Schottky Rectifier	DO-214A	0.18	0.15
73013	SS26	60	2A	0.7V @ 2A	Schottky Rectifier	DO-214A	0.60	0.50
79676	BYD77D	200	2A	0,75V @ 1A	Ultrafast	SOD-87	0.50	0.40
79673	S2J	600	2A	1.15V @ 2A	Rectifier	SMB/DO-214A	0.15	0.10
95547	ES2J	600	2A	1.7V @ 2A	Ultrafast 35ns	SMB/DO-214A	0.18	0.15
95546	S2M	1000	2A	1.15V @ 2A	Rectifier	SMB/DO-214A	0.20	0.15
79795	SS34	40	3A	0.5V @ 3A	Schottky Rectifier	DO-214A	0.30	0.22
73010*P	MBRD360T	60	3A	0,6V @ 3A	Schottky Rectifier	D-PAK	0.30	0.20
27321	MBRS360T3	60	3A	0,6V @ 3A	Schottky Rectifier	DO-214AB	0.35	0.25
F0063*	50WQ04FN	40	5,5A	0.51V @ 5A	Schottky Rectifier	D-PAK	1.30	1.00
73039*	BYW29G200	600	8A	0.85V @ 5A	Fast Recovery	D ² PAK	1.30	1.00
79659	BAT74	30	2x200mA	0.40V @ 10mA	Dual Schottky	SOT-143	0.50	0.40
F0071*	6CWQ03FN	30	2x3,5A	0.45V @ 3A	Dual Schottky Rectifier	D-PAK	1.50	1.30
95550*P	MURD620CT	600	2x3,0A	1.00V @ 3A	Ultrafast Rectifier	D-PAK	0.90	0.70



DIODES "Standard"

N°d'art.	Type	VR	IF	VF max @ IF		Boîtier	Prix 1...	25...
90547	BAT81	40	30mA	0.41V @ 1mA	Schottky	DO-34	0.35	0.20
90548	BAT83	60	30mA	0.41V @ 1mA	Schottky	DO-34	0.15	0.10
90542	BA317	40	100mA	1.1V @ 100mA	High switching max. 4 ns	DO-35	0.50	0.40
90543	BA318	50	100mA	1.1V @ 100mA	High switching max. 4 ns	DO-35	0.50	0.40
90549	BAT42	30	200mA	0.4V @ 10mA	Schottky	DO-35	0.10	0.08
16000	1N4148	75	200mA	1V @ 10mA		DO-35	0.05	0.02
16002	1N4448	75	200mA	1V @ 100mA		DO-35	0.08	0.05
90552	BAV18*	50	250mA	1.25V @ 200mA		DO-35	0.30	0.20
90553	BAV19*	100	250mA	1.25V @ 200mA		DO-35	0.10	0.08
90555	BAV21*	200	250mA	1.25V @ 200mA		DO-35	0.30	0.20
90551	BAV10*	60	300mA	1V @ 200mA		DO-35	0.40	0.30
90544	BAX12	90	400mA	1.25V @ 400mA	Avalanche	DO-35	0.50	0.40
90546	BAX18	75	500mA	1V @ 300mA	Avalanche	DO-35	0.30	0.20
90554	FDH300	150	500mA	1V @ 200mA	Low leakage	DO-35	0.15	0.10
78048*	1N5818	30	1A	0.55V @ 1A	Schottky,Rectifier	DO-41	0.50	0.40
27304	1N5819	40	1A	0.6V @ 1A	Schottky,Rectifier	DO-41	0.28	0.20
20007*	SB140	40	1A	0.5V @ 1A	Schottky Rectifier	DO-41	0.30	0.20
27390*	BYS21-45	45	1A	0.55V @ 1A	Schottky Rectifier,DC/DC	DO-41	0.40	0.30
20008	1N4001	50	1A	1.1V @ 1A	Rectifier	DO-41	0.08	0.05
20017	SB160	60	1A	0.5V @ 1A	Schottky Rectifier	DO-41	0.50	0.40
27300	1N4004	400	1A	1.1V @ 1A	Rectifier	DO-41	0.08	0.05
20009	1N4005	600	1A	1.1V @ 1A	Rectifier	DO-41	0.11	0.08
16004	BYV26C	600	1A	2.50 @ 1A	Ultra Fast Avalanche	SOD-57	0.35	0.25
27302	1N4007	1000	1A	1.1V @ 1A	Rectifier	DO-41	0.10	0.08
71020	SB360	60	3A	0.49V @ 3A	Schottky Rectifier	DO-201	0.40	0.30
78046*	1N5401	100	3A	1.2V @ 3A	Rectifier	DO-201	0.20	0.15
27312	1N5404	400	3A	1.2V @ 3A	Rectifier	DO-201	0.25	0.15
27308	BYT03-400	400	3A	1.4V @ 3A	Ultra Fast Rectifier	DO-201	1.00	0.80
27313	1N5406	600	3A	1.2V @ 3A	Rectifier	DO-201	0.30	0.20
27314	1N5408	1000	3A	1.2V @ 3A	Rectifier	DO-201	0.30	0.20
20000	BYW28-200	200	3,5A	0.8 @ 3A	Ultra fast Rectifier	SOD-57	1.10	0.90
20018	MUR460	600	4A	1,28V @ 4A	Ultrafast Rectifier	DO-201	0.70	0.50
71021	SB520	20	5A	0.48V @ 5A	Schottky Rectifier	DO-201	0.60	0.50
20016	P600B	100	6A	<1	Rectifier	P6	0.40	0.30
27322	P600M	1000	6A	<1	Rectifier	P6	0.50	0.30
F0237	MBR745	45	7,5A	0.57 @ 7A	Schottky Rectifier	TO-220	1.10	0.90
27309	BYW29E	200	8A	<0.8 @ 8A	Ultra fast Rectifier	TO-220	1.00	0.80
78028	MUR815	250	8A	1V @ 8A	Ultrafast Rectifier	TO-220AC	1.10	0.80
F0244	MUR840	400	8A	1,3V @ 8A	Ultrafast Rectifier	TO-220AC	0.70	0.50
F0052	MUR860	600	8A	1,3V @ 8A	Ultrafast Rectifier	TO-220AC	1.40	1.10
F0051	MBR1060	60	10A	0.8V @ 10A	Schottky Rectifier	TO-220	1.60	1.30
27450 ^P	STPS1545FP	45	20A	0.5V @ 15A	Schottky Rectifier	TO-220/ISO	1.40	1.10
27451	MBRF1545CT	45	2x7,5A	0.5V @ 15A	Dual C.C Schottky Rectifier	TO-220/ISO	1.90	1.60
F0080	MBR2060CT	60	2x10A	0.8V @ 10A	Dual C.C Schottky Rectifier	TO-220	1.40	1.10
F0230	STPS20H100CT	100V	2x10A	0.77V @ 10A	Dual C.C Schottky Rectifier	TO-220	2.20	1.90
27457 ^P	MBRF30H100CT	100V	2x15A	0.88V @ 30A	Dual C.C Schottky Rectifier	TO-220/ISO	1.30	1.00
27459 ^P	HFA16PA120C	1200V	2x8A	3.3V @ 8A	Dual C.C Schottky Rectifier	TO-247AC	15.00	12.00
90520	D91A	80	9x100mA	1.5V @ 100mA	Diode Network	SIL-9	1.00	0.80

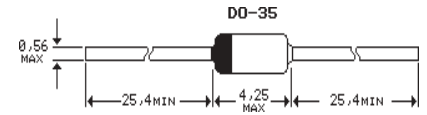


DIODE AU GERMANIUM

N°d'art.	Type	VR	IF	VF max @ IF	Boîtier	Prix 1...	25...
78062*	AA143	25	40mA	0.3V @ 2mA	DO-7	1.80	1.60

Diodes Zener 500mW

Ces diodes Zener sont compatibles aux types: ZPD / BZX83 / BZY88 / BZX55 / BZX71 / BZX79
 Tolérance ±5%
 Boîtier en verre DO-35

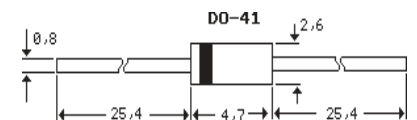


N°d'art.	Vz nom.	Vz min.	Vz max.	Pour Iz	N°d'art.	Vz nom.	Vz min.	Vz max.	Pour Iz
16699	2,4V	2,2V	2,6V	5mA	16715	11V	10,4V	11,6V	5mA
16700	2,7V	2,5V	2,9V	5mA	16716	12V	11,4V	12,7V	5mA
16701	3,0V	2,8V	3,2V	5mA	16717	13V	12,4V	14,1V	5mA
16702	3,3V	3,1V	3,5V	5mA	16718	15V	13,8V	15,6V	5mA
16703	3,6V	3,4V	3,8V	5mA	16719	16V	15,3V	17,1V	5mA
16704	3,9V	3,7V	4,1V	5mA	16720	18V	16,8V	19,1V	5mA
16705	4,3V	4,0V	4,6V	5mA	16721	20V	18,8V	21,2V	5mA
16706	4,7V	4,4V	5,0V	5mA	16723	24V	22,8V	25,6V	5mA
16707	5,1V	4,8V	5,4V	5mA	16724	27V	25,1V	28,9V	5mA
16708	5,6V	5,2V	6,0V	5mA	16726	33V	31V	35V	5mA
16709	6,2V	5,8V	6,6V	5mA	16728	39V	37V	41V	2.5mA
16710	6,8V	6,4V	7,2V	5mA					
16711	7,5V	7,0V	7,9V	5mA					
16712	8,2V	7,7V	8,7V	5mA					
16713	9,1V	8,5V	9,6V	5mA					
16714	10V	9,4V	10,6V	5mA					

Prix par valeur: 1... 25...
0.15 0.10

Diodes Zener 1,3W

Ces diodes Zener sont compatibles aux types: ZPY / ZD.../BZX 29.../BZX 85.../BZY 92.../BZY 95.../BZY 96.../BZX 97...
 Tolérance ±5%
 Boîtier en verre DO-41

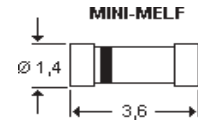


N°d'art.	Type	Tension de travail U _Z min.	Tension de travail U _Z max.	Courant de test à 25°C Iz mA	N°d'art.	Type	Tension de travail U _Z min.	Tension de travail U _Z max.	Courant de test à 25°C Iz mA
16734	3,9V	3,7	4,1	100	16753	24V	22,8	25,6	25
16735	4,3V	4,0	4,6	100	78030	27V	25,1	28,9	25
16737	5,1V	4,8	5,4	100	16755	30V	28	32	25
16738	5,6V	5,2	6,0	100	16756	33V	31	35	25
16739	6,2V	5,8	6,6	100	16757	36V	34	38	10
16740	6,8V	6,4	7,2	100	16758	39V	37	41	10
16741	7,5V	7,0	7,9	100	16759	43V	40	46	10
16742	8,2V	7,7	8,7	100	16760	47V	44	50	10
16743	9,1V	8,5	9,6	50	16761	51V	48	54	10
16744	10V	9,4	10,6	50	16762	56V	52	60	10
16745	11V	10,4	11,6	50	78033	62V	58	66	10
16746	12V	11,4	12,7	50					
16747	13V	12,4	14,1	50					
16748	15V	13,8	15,8	50					
16749	16V	15,3	17,1	25					
16750	18V	16,8	19,1	25					
16751	20V	18,8	21,2	25					
16752	22V	20,8	23,3	25					

Prix par valeur: 1... 25...
0.20 0.15

Diodes Zener 500mW "SMD" en boîtier SOD-80, Minimelf

Ces diodes Zener sont compatibles aux types: BZV55C, ZMM, TZMC



N°d'art.	Vz nom.	Vz min.	Vz max.	Pour Iz	N°d'art.	Vz nom.	Vz min.	Vz max.	Pour Iz
95600	2,4V	2,2V	2,6V	5mA	79705	13V	12,4V	14,1V	5mA
95601	2,7V	2,5V	2,9V	5mA	95619	15V	13,8V	15,6V	5mA
95602	3,0V	2,8V	3,2V	5mA	79709	16V	15,3V	17,1V	5mA
95603	3,3V	3,1V	3,5V	5mA	95618	18V	16,8V	19,1V	5mA
95605	3,9V	3,7V	4,1V	5mA	79711	20V	18,8V	21,2V	5mA
95607	4,7V	4,4V	5,0V	5mA	79712	22V	20,8V	23,3V	5mA
95608	5,1V	4,8V	5,4V	5mA	79713	24V	22,8V	25,6V	5mA
95609	5,6V	5,2V	6,0V	5mA	79702	30V	28V	32V	2mA
95610	6,2V	5,8V	6,6V	5mA	95633	33V	31V	35V	2mA
95611	6,8V	6,4V	7,2V	5mA	79704	36V	34V	38V	2mA
95612	7,5V	7,0V	7,9V	5mA	79754	56V	52V	60V	2mA
95613	8,2V	7,7V	8,7V	5mA					
95614	9,1V	8,5V	9,6V	5mA					
73008	10V	9,4V	10,6V	5mA					
95617	12V	11,4V	12,7V	5mA					
Prix par valeur:									1... 25...
									0.15 0.10

Diodes Zener "Divers"

N°d'art.	Type	Boîtier	Vz nom.	P _{TOT}	Prix 1...	25...
79663*	BZX84C3V3	SOT-23 / SMD	3,3V	350mW	0.15	0.10
79640*	BZX84C4V7	SOT-23 / SMD	4,7V	350mW	0.15	0.10
79641*	BZX84C5V1	SOT-23 / SMD	5,1V	350mW	0.15	0.10
79894*	BZX84C5V6	SOT-23 / SMD	5,6V	350mW	0.15	0.10
79642*	BZX84C6V2	SOT-23 / SMD	6,2V	350mW	0.15	0.10
79664*	BZX84C6V8	SOT-23 / SMD	6,8V	350mW	0.15	0.10
79665*	BZX84C8V2	SOT-23 / SMD	8,2V	350mW	0.15	0.10
79643*	BZX84C9V1	SOT-23 / SMD	9,1V	350mW	0.15	0.10
79644*	BZX84C10V	SOT-23 / SMD	10V	350mW	0.15	0.10
79666*	BZX84C12V	SOT-23 / SMD	12V	350mW	0.15	0.10
73204*	BZX84C13	SOT-23 / SMD	13V	350mW	0.15	0.10
79645*	BZX84C15V	SOT-23 / SMD	15V	350mW	0.15	0.10
79667*	BZX84C16V	SOT-23 / SMD	16V	350mW	0.15	0.10
95790*	BZX84C18V	SOT-23 / SMD	18V	350mW	0.15	0.10
79647*	BZX84C20V	SOT-23 / SMD	20V	350mW	0.15	0.10
79668*	BZX84C30V	SOT-23 / SMD	30V	350mW	0.15	0.10
73205*	BZX84C75	SOT-23 / SMD	75V	350mW	0.15	0.10
79706*	BZM55C5V1	Micro-MELF / SMD	5,1V	500mW	0.15	0.10
73020*	ZMY5V1	MELF / SMD	5,1V	1W	0.20	0.15
79669*	ZMY5V6	MELF / SMD	5,6V	1W	0.20	0.15
73009*	ZMY9V1	MELF / SMD	9,1V	1W	0.20	0.15
79714*	ZMY8V2	MELF / SMD	8,2V	1W	0.20	0.15
79710*	ZMY18V	MELF / SMD	18V	1W	0.20	0.15
95710*	BZV90C6V2	TO-223 / SMD	6,2V	1,3W	0.80	0.70
79715*	BZD27C-24	DO-219/ SMD	24V	2,3W	0.30	0.20
79724*	BZD27C-200	DO-219/ SMD	200V	2,3W	0.30	0.20
73206*	BZG03-C12	DO-214A/ SMD	12V	3W	0.50	0.40
78047*	BZT03C220	SOD-57 / Axial Lead	220V	3,25W	1.20	0.80
20010*	1N5334B	DO-41 / Axial Lead	3,6V	5W	0.30	0.20
78022*	1N5351B	DO-41 / Axial Lead	14V	5W	0.30	0.20
78023*	1N5352	DO-41 / Axial Lead	15V	5W	0.30	0.20

Diode de protection (Transil-diode)

N°d'art.	Type	Boîtier	V_{RWM}	V_{BR}		Peak Power	Prix 1...	25...
27310^P	1N5908	DO-15 / Axial Lead	5V	6V	Unidirectionnelle	1500W	0.60	0.50
71022[*]	P6KE6V8A	DO-15 / Axial Lead	5,8V	6,45-7,14V	Unidirectionnelle	600W	0.50	0.40
78029[*]	1.5KE6V8	DO-201 / Axial Lead	5,8V	6,45-7,14V	Unidirectionnelle	1500W	0.70	0.50
78038[*]	P6KE16A	DO-15 / Axial Lead	13,6V	15,2-16,8V	Unidirectionnelle	600W	0.50	0.40
20012[*]	1.5KE18A	DO-201 / Axial Lead	15,3V	17,1-18,9V	Unidirectionnelle	1500W	0.50	0.40
78031[*]	P6KE30A	DO-15 / Axial Lead	25,6V	28,5-31,5V	Unidirectionnelle	600W	0.50	0.40
73022^P	SM6T36A	DO-214AA / SMD		36V	Unidirectionnelle	600W	0.40	0.30
79701^P	SMBJ5V0A	DO-241AA / SMD	5V	6,4-7V	Unidirectionnelle	600W	0.35	0.25
73023^P	1SMB5.0AT	DO-241AA / SMD	5V	6,4-7V	Unidirectionnelle	600W	0.30	0.20
73028	SMBJ12A	DO-241AA / SMD	12V	13,3-14,7V	Unidirectionnelle	600W	0.30	0.20
79700	SMBJ15A	DO-241AA / SMD	15V	16,7-18,5V	Unidirectionnelle	600W	0.30	0.20
79699	SMBJ24A	DO-241AA / SMD	24V	26,7-29,5V	Unidirectionnelle	600W	0.30	0.20
73015	SMBJ70A	DO-241AA / SMD	70V	77,8-86V	Unidirectionnelle	600W	0.30	0.20
27327	TGL41-68A	DO-213AB / SMD	58.1V	64.6-71.4V	Unidirectionnelle	400W	0.60	0.50
27320	TGL41-150A	DO-213AB / SMD	128V	143-158V	Unidirectionnelle	400W	0.60	0.50
27329	TGL41-200A	DO-213AB / SMD	171V	190-210V	Unidirectionnelle	400W	0.60	0.50
27307^P	P6KE6V8CA	DO-15 / Axial Lead	5,8V	6,45-7,14V	Bidirectionnelle	600W	0.90	0.70
78016[*]	P6KE13CA	DO-15 / Axial Lead	11,1V	12,4-13,7V	Bidirectionnelle	600W	0.60	0.50
20015[*]	BZW04-15B	DO-15 / Axial Lead	15,3V		Bidirectionnelle	400W	0.50	0.30
20014[*]	1.5KE180CA	DO-201 / Axial Lead	154V	171-189V	Bidirectionnelle	1500W	0.50	0.40
78024[*]	1.5KE220CA	DO-201 / Axial Lead	188V	209-231V	Bidirectionnelle	1500W	0.70	0.50
20013[*]	1.5KE350CA	DO-201 / Axial Lead	299V	332-368V	Bidirectionnelle	1500W	0.50	0.40
84142^P	SMAJ5.0CATR	DO-214AC / SMD	5,0V		Bidirectionnelle	400W	0.18	0.15
73016^P	SMBJ30CAT	DO-241AA / SMD	30V	33,3-36,8V	Bidirectionnelle	600W	0.25	0.18
79703^P	ESDA6V1SC5	SOT-23-5 / SMD	5,25V	6,1-7,2V	4 x Unidirectionnelle	400W	0.60	0.50
70302^P	ITA6V1U1	SO-8 / SMD	5V	6,51V	6 x Bidirectionnelle	300W	1.70	1.40

DIAC DB3

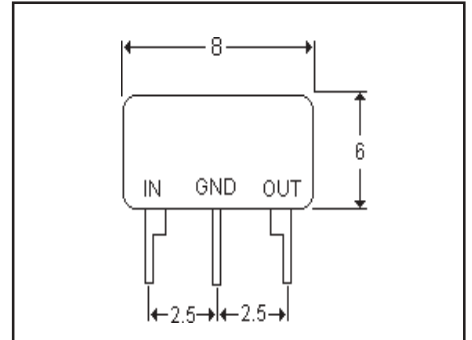
Silicon bi-directional trigger diode for use in triac firing circuits

Type equivalents: BR100-3, D32, D3202Y, GT32, MPT32, ST2, 1N5761, 133.

N°d'art.	Boîtier	V_{BO}	I_{TRM}	I_{BO}	Prix 1...	25...	
90535	DB3	DO-35	32V ±4V	2A	100µA	0.15	0.10

Résonateur céramique

Petit résonateur piézo-céramique conçu pour des applications à circuits oscillants. Développé en premier lieu comme générateur de signal de référence, il peut être utilisé avantageusement comme horloge pour la plupart des microprocesseurs. Gamme de température = -20..+80°C, tolérance = $\pm 0.5\%$.



N°d'art.	Fréquence	Avec capacités de charge C1 - C2	Prix 1...	25...
04998	4MHZ	33pF	0.20	0.15

Résonateur "SMD" 20MHz

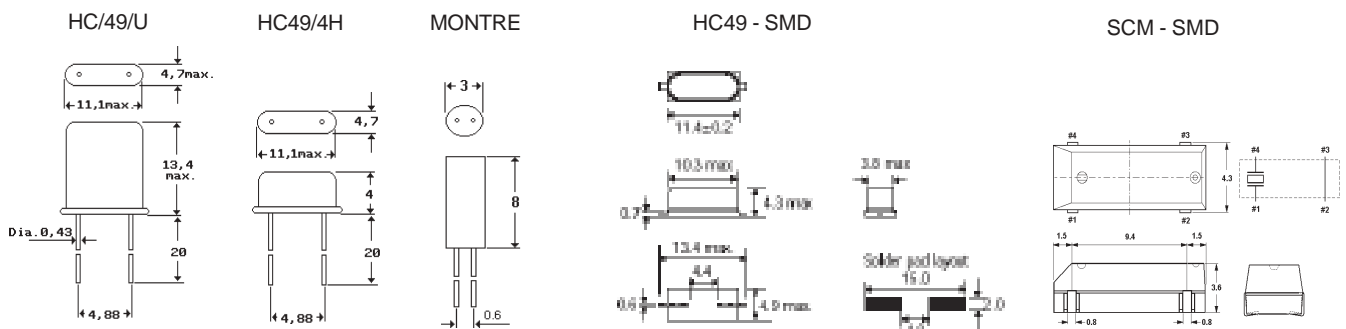
N°d'art.	Type	Fréquence	Prix 1...	25...
79794*P	JTTCV-MX	20MHz	0.70	0.60

Oscillateurs Hybrides / Clock Oscillators

N°d'art.	Type	Fréquence	Boîtier	VCC	Prix 1...	25...
05067*P	SG3032JC	32,768KHz	SMD	1,8-3,6V	2.50	2.10
76000*P	IQXO-350C	1,8432MHz	DIL14	5V	2.10	1.90
76001*P	NCH069C	14,7456MHz	DIL8	5V	5.80	5.80
76005*P	IQXO-22C	32,0000MHz	DIL8	5V	3.50	3.50
76008*P	IQXO-500C(350C)	32,0000MHz	DIL14	5V	1.90	1.90
76002*P	IQXO-350C	40,0000MHz	DIL14	5V	2.10	1.90

Quartz pour microprocesseurs

N°d'art.	Fréquence MHz	Boîtier	Tolérance de fréquence(25°C) ±ppm	Capacité de charge pF	Prix 1...	25...
04999	0.032768	3 x 8mm	20	12.5	0.20	0.12
05069*P	0.032768	SMD-103S		12.5	0.90	0.70
05001	1.843210	HC/49/U	20	30	1.00	0.80
05002	2.000010	HC/49/U	50	20	3.80	3.30
05003*	2.097152	HC/49/U	50	32	2.80	2.50
84023*	2.457600	HC/49/U	30	Séries	1.80	1.50
05007	3.276800	HC/49/U	20	12	1.30	1.00
05008	3.579545	HC/49/U	30	20	1.30	1.00
05040	3.686400	HC/49/U	30	30	0.50	0.40
05010	4.000000	HC/49/U	30	30	1.20	0.90
05019	4.000000	HC/49/4H-Low profile	50	30	0.50	0.40
05060	4.000000	HC/49/SMD	50	16	0.40	0.30
78191	4.096000	HC/49/U	20	30	0.30	0.20
05011	4.194304	HC/49/U	20	12	1.30	1.00
05012	4.433619	HC/49/U	20	20	0.50	0.40
05013	4.915200	HC/49/U	30	30	1.30	1.00
84021	4.915200	HC/49/4H-Low profile	30	30	1.40	1.10
05015*	5.068800	HC/49/U	30	32	1.30	1.00
05016	6.000000	HC/49/U	30	30	1.30	1.00
05017	6.144000	HC/49/U	20	30	0.50	0.40
05018	6.144000	HC/49/4H-Low profile	50	30	0.60	0.50
05042	7.372800	HC/49/U	20	30	1.30	1.00
84024	7.372800	HC/49/4H-Low profile	30	30	1.40	1.10
05020	8.000000	HC/49/U	30	30	0.40	0.30
05021	8.000000	HC/49/4H-Low profile	30	30	0.50	0.40
05061	8.000000	HC/49/4SMD	30	18	0.40	0.30
05022	9.830400	HC/49/U	20	30	0.50	0.40
05023	10.000000	HC/49/U	20	30	0.40	0.30
05045	10.000000	HC/49/4H-Low profile	20	30	0.70	0.50
79895*P	10.000000	SCM/SMD	30	18	0.60	0.40
05024	10.240000	HC/49/U	30	32	1.95	1.50
05043	11.059200	HC/49/4H-Low profile	50	30	0.90	0.70
84025*	12.000000	HC/49/4H-Low profile	50	30	1.40	1.10
84017*	14.745600	HC/49/U	20	30	1.30	1.00
05029*	15.000000	HC/49/U	30	30	2.10	1.80
05030*	16.000000	HC/49/U	30	30	1.30	1.00
05064	16.000000	HC/49/SMD	20	20	0.85	0.65
79896*P	16.000000	SCM/SMD	30	18	0.60	0.40
05032	18.432000	HC/49/U	30	30	0.70	0.50
05070*	18.432000	SCM/SMD	100	-	0.70	0.50
05035	20.000000	HC/49/U	30	32	0.50	0.40
84026	22.118400	HC/49/4H-Low profile	30	30	1.40	1.10
05039	24.000000	HC/49/U	30	Series	0.80	0.70
78192	24.000000	HC/49/4H-Low profile	30	30	0.30	0.20
51180	25.000000	HC/49/4H-SMD	-	10-75	0.80	0.60
F0060*P	100.000000	SG8002JA/SMD	-	-	5.30	4.80

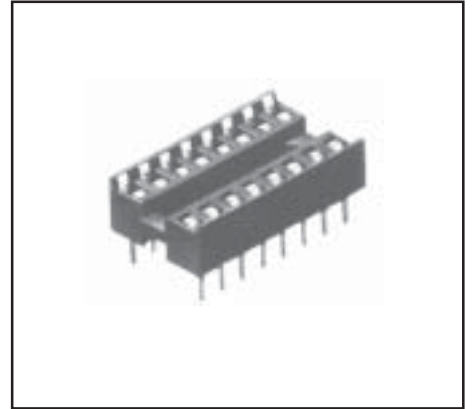


Socles pour IC's, "LOW-COST"

Surface de contact Bronze phosphoreux étamé.

Dimensions: A=Espacement des rangées de contacts, B=Longueur, C=Largeur, Hauteur=4.4mm

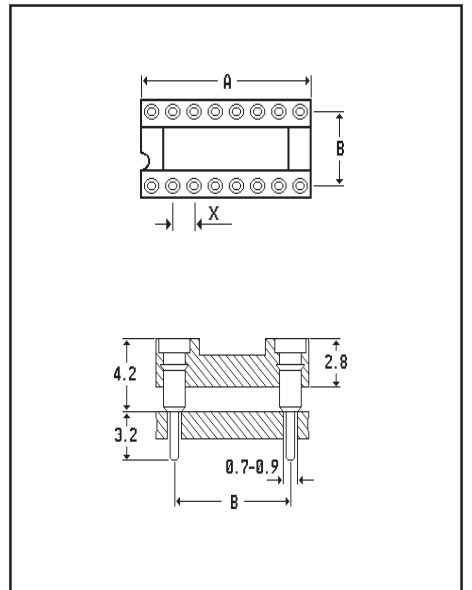
N°d'art.	Pôles	A	B	C	Prix 1...	25...
01502	8	7.62	10.16	10	0.20	0.10
01506	16	7.62	20.32	10	0.20	0.15
01508	18	7.62	22.86	10	0.10	0.08
01514	24	15.24	30.48	17.7	0.15	0.09
01518	40	15.24	50.80	17.7	0.40	0.35



Socles de précision pour IC's et "SHRINKDIP"

- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact 0.25µm or
- Broches à souder 5µm étain sur 3µm nickel

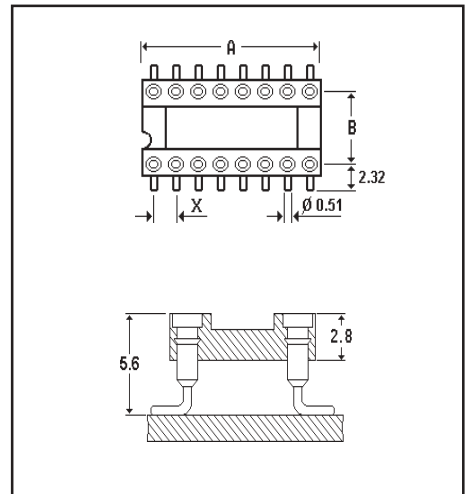
N°d'art.	Pôles	X	A	B	Prix 1...	25...
25999	4	2.54	5.0	7.62	0.15	0.10
26000	6	2.54	7.6	7.62	0.20	0.15
26001	8	2.54	10.1	7.62	0.30	0.25
26002	14	2.54	17.7	7.62	0.30	0.20
26003	16	2.54	20.3	7.62	0.50	0.40
26004	18	2.54	22.8	7.62	0.60	0.50
26005	20	2.54	25.3	7.62	0.65	0.55
26013	22	2.54	27.8	7.62	0.75	0.65
26006	22	2.54	27.8	10.16	0.60	0.50
F0263*	24	2.54	-	7.62	0.70	0.55
26015	24	2.54	30.4	10.16	0.40	0.30
26007	24	2.54	30.4	15.24	0.30	0.25
26014	28	2.54	35.5	7.62	0.70	0.55
26008	28	2.54	35.5	15.24	0.65	0.55
26012	32	2.54	40.6	15.24	0.80	0.70
26016	36	2.54	45.7	15.24	1.20	1.05
26009	40	2.54	50.6	15.24	0.95	0.85
26017	42	2.54	53.2	22.86	1.40	1.25
26018	50	2.54	63.4	22.86	2.10	1.90
26019	52	2.54	65.9	22.86	2.50	2.10
26058	64	1.778	57.4	19.05	6.00	5.00



Socles de précision "SMD"

- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact 0.25µm or
- Broches à souder 5µm étain sur 3µm nickel

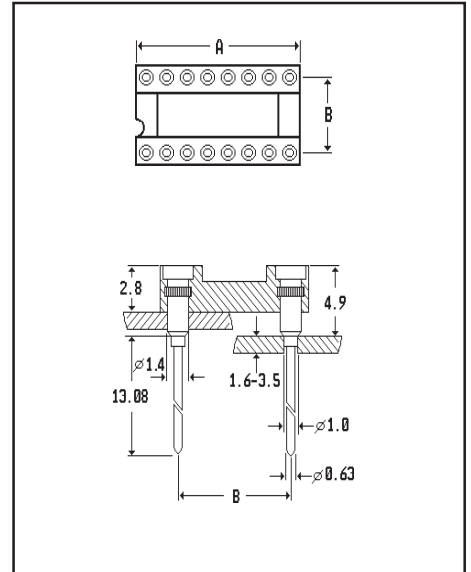
N°d'art.	Pôles	X	A	B	Prix 1...	25...
26306*	6	2.54	7.6	7.62	0.30	0.25
26308*	8	2.54	10.1	7.62	0.40	0.35
26314*	14	2.54	17.7	7.62	0.65	0.55
26316*	16	2.54	20.3	7.62	0.80	0.70
26318*	18	2.54	22.8	7.62	0.90	0.80
26320*	20	2.54	25.3	7.62	1.00	0.90
26323*	24	2.54	30.4	7.62	1.20	1.10
26324*	24	2.54	30.4	15.24	1.20	1.10
26328*	28	2.54	35.5	15.24	3.50	3.00
26332*	32	2.54	40.6	15.24	3.80	3.20
26340*	40	2.54	50.6	15.24	1.95	1.70



Socles de précision Wire-Wrap pour IC's

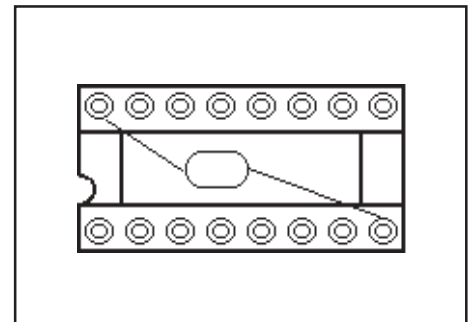
- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact 0.75µm or
- Broches 0.25µm or sur 3µm nickel

N°d'art.	Pôles	A	B	Prix 1...	25...
26020*	6	7.6	7.62	0.60	0.50
26021*	8	10.1	7.62	0.75	0.65
26023*	16	20.3	7.62	1.70	1.50
26024*	18	22.8	7.62	1.90	1.70
26025*	20	25.3	7.62	2.00	1.80
26026*	22	27.9	10.16	2.30	2.00
26027*	24	30.4	15.24	2.30	2.00
26028*	28	35.5	15.24	2.50	2.20
26029*	40	50.6	15.24	3.60	3.20
26030*	48	60.8	15.24	4.50	4.00
26031*	64	81.1	22.86	6.00	5.35


Socles de précision pour IC's avec Condensateur

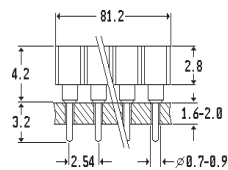
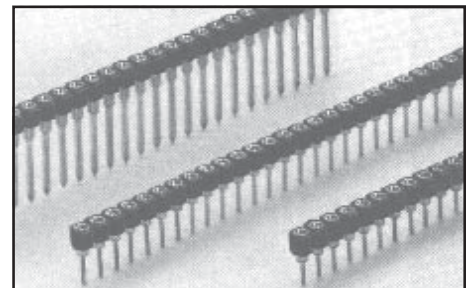
- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact Or
- Broches à souder 5µm étain sur 3µm nickel
- Condensateur 100nF / 50V

N°d'art.	Pôles	Prix 1...	25...
26252*	16	0.60	0.50


Socles en barettes pour IC's, 32 pôles

- Séparable selon la longueur désiré
- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact 0.25µm or (broches à souder)
- Broches 5µm étain sur 3µm nickel (broches à souder)

N°d'art.	Type	Pôles	Prix 1...	25...
26040	Broches à souder	40	1.80	1.50

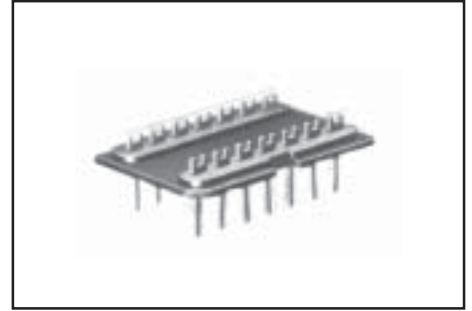


Socles DIL

Ces socles avec ou sans couvercle s'utilisent pour le montage d'éléments discrets ou comme petits connecteurs entre circuits imprimés. Ils se soudent sur des circuits imprimés ou s'enfichent dans des socles pour IC's.

La surface des contacts est constituée de 0.3µ sur 1.5µ nickel.

N°d'art.	Désignation	Prix 1...	25...
36344	Socle DIL 14 pôles	1.80	1.60
36350	Socle DIL 16 pôles	1.95	1.70

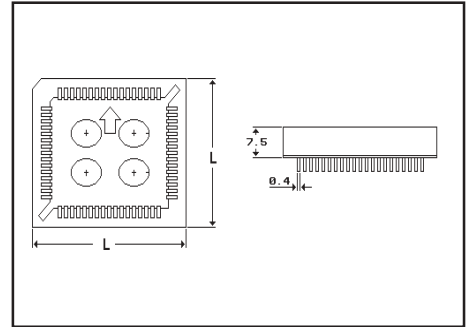


Socle PLCC

Socle PLCC standard avec polarisation pour l'insertion correcte du PLCC.

- Grille 2.54x2.54mm
- Matériau de contact alliage de cuivre étamé

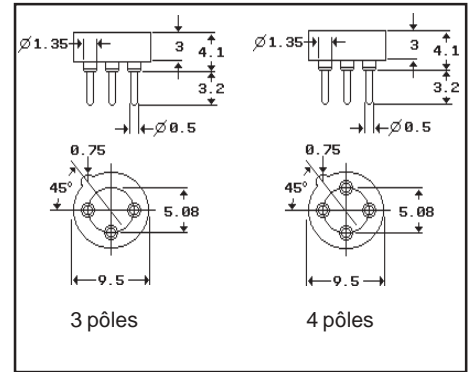
N°d'art.	Pôles	L. max.	Prix 1...	25...
26199	28	19mm	0.60	0.50
26204	32	21mm	1.10	0.90
26205	32 SMD	21mm	0.90	0.60
26203	44	24mm	1.00	0.80
26201	52	27mm	1.50	1.20
26200	68	32mm	1.70	1.40
26207	68 SMD	31mm	1.60	1.20
26202	84	37mm	2.00	1.40



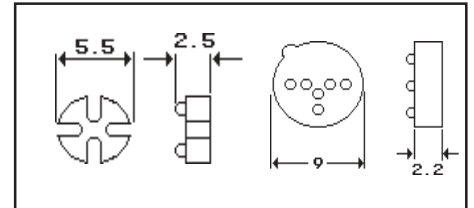
Socles de précision pour transistors et circuits intégrés

- Contacts dorés
- Broches à souder étamés

N°d'art.	Pôles		Prix 1...	25...
36322*	3	TO-5	0.20	0.15
36324*	4	TO-5	0.30	0.20


Entretoises pour transistors

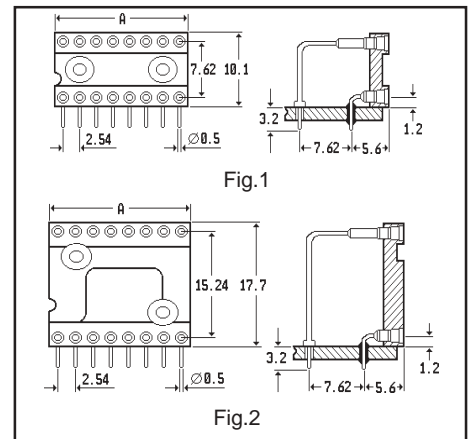
N°d'art.	Type		Prix 1...	25...
32172	TO-92 / TO-18	Diam. 5.5	0.10	0.05
32173	TO-5 / TO-39 / TO-18	Diam. 9.0	0.15	0.10


Socles à 90° pour montage perpendiculaire aux circuits imprimés

Idéal pour le montage des indicateurs LED

- Socle polyester, renforcé de fibre de verre
- Matériau de contact cuivre au béryllium
- Surface de contact 0.75µm or or 5µm étain sur 3µm nickel
- Broches à souder

N°d'art.	Fig.	Pôles	Dimension A	Prix 1...	25...
26048*	1	12	15.2mm	3.25	2.95
26050*	1	14	17.7mm	3.80	3.50
26054*	2	18	22.8mm	3.50	3.00



Semi-conducteurs divers

Jusqu'à épuisement du stock

N°d'art.	Type	Boîtier		Prix 1...
F0025	28C04A-20P	DIL24	4K (512 x 8) CMOS EEPROM	12.00
70090	2N2193A	TO39	NPN Silicon Transistor	6.00
F0195	58321	DIL16	Real time clock module, Calendar	8.60
70076	80C31BH-3-16WP	PLCC44	CMOS single-chip 8-bit microcontrollers	15.00
70032	8464A-10L	DIL28	SRAM 64K 8Kx8	18.00
70016	AD549JH	TO99-8	Ultralow Input Bias Current Operational Amplifier	32.00
70023	AD637JQ	DIL14	High Precision, Wide-Band RMS-to-DC Converter	25.00
70045	AD680JR	SO8	Low Power, 2.5 V Reference	4.00
70011	AD826AN	DIL8	High-Speed, Low-Power Dual Operational Amplifier	4.80
70026	AD830AN	DIL8	High Speed, Video Difference Amplifier	8.00
70006	AD7226KN	DIL20	LC2MOS Quad 8-Bit D/A Converter	43.80
70029	AD7507JN	DIL14	CMOS 8-and 16-Channel Analog Multiplexers	35.00
70050	AD7888AR	TSSOP16	+2.7 V to +5.25 V, Micropower, 8-Channel, 125 kSPS, 12-Bit ADC	18.00
70007	AD8300AR	SO8	+3 Volt, Serial Input Complete 12-Bit DAC	8.40
F0114	ADG408BN	DIL16	LC2MOS 4-/8-Channel High Performance Analog Multiplexers	6.80
70057	ADG419BR	SO8	LC2MOS Precision Mini-DIP Analog Switch	4.80
70056	ADG511BR	SO16	LC2MOS Precision 5 V/3 V Quad SPST Switches	8.00
P0076	ADL5330ACPZ	LFCSP24	1MHz - 3GHz VGA with 60dB Gain Control Range	14.00
70073	ADM485JN	DIL8	+5 V Low Power EIA RS-485 Transceiver	3.50
70066	ADS1286UK	SO8	12-Bit Micro Power Sampling Analog-To-Digital Converter	9.80
70039	ADUC834BS	MQFP52	MicroConverter/ Dual 16-/24- Bit ADCs with Embedded 62KB FLASH MCU	29.00
70101 ^P	ADUC834BCP62Z5	LFCSP56	MicroConverter/ Dual 16-/24- Bit ADCs with Embedded 62KB FLASH MCU	21.00
50119	AM26LS32ACN	DIL16	QUAD EIA-422/3 LINE RECEIVER WITH THREE.STATE OUTPUTS	0.70
70382	AT28C16-15SC	SO24	16K (2K x 8) Parallel EEPROMs	4.90
70342	AT29C040-12TC	TSOP32	4-Megabit 512K x 8 CMOS Flash Memory	6.80
78066	BC212B	TO92	PNP Transistor	0.30
78070	BC489A	TO92	NPN High Current Transistor	0.80
78064	BC490A	TO92	PNP High Current Transistor	0.20
78072	BC558B	TO92	PNP Epitaxial Silicon Transistor	0.30
90426	BCY89	TO71	Matched dual NPN transistors	32.00
78067	BDX33B	TO220	NPN Epitaxial Silicon Transistor	1.10
78065	BDX34B	TO92	PNP Darlington Complementary Silicon Power Transistor	1.10
70037	BQ2031SN	SO16	Lead-Acid Fast-Charge IC	6.90
70304 ^P	BTS780GP	P-TO263-15-1	Smart Motorbridges + Driver ICs, TrilithP-Pak	9.80
70305 ^P	BTS781GP	P-TO263-15-1	Smart Motorbridges + Driver ICs, TrilithP-Pak	9.80
70010	C8051F060	TQFP100	25 MIPS, 64 kB Flash, 16-Bit ADC, 100-Pin Mixed-Signal MCU	35.00
70021	C8051F121DCLZA	TQFP44	100 MIPS, 128 kB Flash, 12-Bit ADC, 64-Pin Mixed-Signal MCU	18.70
70082	CA3082	DIL16	General Purpose High Current NPN Transistor Arrays	5.50
70027	CA3420E	DIL8	Op Amp, BiMOS, Low Supply Voltage, Low Input Current	2.80
70411	CD22M3494M	DIL40	16 x 8 x 1 BiMOS-E Crosspoint Switch	18.00
70385	CS82C54-10	PLCC28	CMOS Programmable Interval Timer	8.10
70383	CS82C55A	PLCC44	CMOS Programmable Peripheral Interface	8.00
F0104	CYC109B-20VC	SOJ32	SRAM 128Kx8	5.60
70384	CY7C185-15VC	SOJ28	8K x 8 Static RAM	4.80
F0048	D8255AC-2	DIL40	Programmable Peripheral Interface	12.00
F0015	DA112S1	SO8	Diode Array	1.80
F0125	DG412DJ	DIL16	Precision Monolithic Quad SPST CMOS Analog Switches	1.90
F0268	DS1000S-30	SO16W	Silicon Delay Line	17.60
70097	DS1021S-50	SO16W	Programmable 8-Bit Silicon Delay Line	16.50
70071	DS1210	DIL8	Nonvolatile Controller Chip	6.50
70052	DS1221S	SO16W	Nonvolatile Controller x 4 Chip	9.00
75011	DS1230Y-150	DIL28	256k Nonvolatile SRAM	25.00
75013	DS1243Y200	DIL28	64K NV SRAM with Phantom Clock	36.00
F0196	DS3486N	DIL16	Quad RS-422/RS-423 Line Receiver	1.10
F0143	DS3487N	DIL16	Quad TRI-STATE Line Driver, RS422	1.20
F0014	EP610LC-30	PLCC28	PLD	15.00
F0089	G65SC10-2P1	DIL40		27.50
F0036	H6006-A1	DIL8	Failsafe Watchdog	6.80
70031	H6060-14	DIL8	Self Recovering Watchdog	3.80
F0241	HD6321P	DIL40	PIA(Peripheral Interface Adapter)	15.00
F0088	HD63B21P	DIL40	Peripheral Interface Adapter, PIA	18.00
F0242	HI3-5042-5	DIL16	+15V/-15V Wide Analog Signal Range, High Current Analog Switches	7.90
31650	HI3-6116L-5	DIL24	2K x 8 general purpose CMOS SRAM	9.00
70063	HIN211CB	SO28W	+5V Powered RS-232 Transmitters/Receivers with 0.1uF External Capacitors	3.20
70075	HIN238CP	DIL24	+5V Powered RS-232 Transmitters/Receivers	3.80
70084	INA122UA	SO8	Single Supply/ MicroPower INSTRUMENTATION AMPLIFIER	9.80
70035	INA126U	SO8	Micropower Instrumentation Amplifier Single and Dual Versions	3.50
F0029	IR2125	DIL8	Single High Side Driver, Current Limiting, Programmable Shutdown Error Pin	3.50
F0233	IRFD024	DIL4	60V Single N-Channel HEXFET Power MOSFET	0.80
F0232	IRFD9024	DIL4	60V Single P-Channel HEXFET Power MOSFET	0.80

Semi-conducteurs divers

Jusqu'à épuisement du stock

N°d'art.	Type	Boîtier		Prix 1...
F0013	ISPGAL22V10C-15LJ	PLCC28	PLD	2.80
70012	K6T4008C1C-GB55	SOP32	512Kx8 bit Low Power CMOS Static RAM	35.00
70000	L4975A	Multiwatt-15	5A Switching Regulator	9.00
70017	LM3722IM5-3.08	SOT23/5	5-Pin Microprocessor Reset Circuits	2.10
70068	LTC1050CS8	SO8	Precision Chopper Stabilized Operational Amplifier with Internal Capacitors	4.70
70043	LTC1076CT	TO220	Step-Down Switching Regulator	11.00
F0049	M81C55-5	DIL40	2048-Bit CMOS STATIC RAM WITH I/O PORTS AND TIMER	17.00
P0075	MACH131-12JC	PLCC-84	EE CMOS Programmable Logic	78.00
70013	MAX233ACPP	DIL20	+5V-Powered, Multichannel RS-232 Drivers/Receivers	9.00
70079	MAX241E	SO28W	+5V-Powered, Multichannel RS-232 Drivers/Receivers	5.00
70070	MAX322CPA	DIL8	Precision, Dual-Supply, SPST Analog Switches	4.50
F0016	MAX489CSD	SO14	Low-Power / Slew-Rate-Limited RS-485/RS-422 Transceivers	3.50
F0110	MAX6303CSA	SO8	+5V / Low-Power uP Supervisory Circuits with Adjustable Reset/Watchdog	4.50
70051	MAX700CSA	SO8	Power-Supply Monitor with Reset	5.60
F0022	MAX749CSA	SO8	Digitally Adjustable LCD Bias Supply	7.80
70077	MAX823LEUK	SOT23-5	5-Pin Microprocessor Supervisory Circuits	4.20
F0267	MAX7301AAI	SSOP28	4-Wire-Interfaced, 2.5-5.5V, 20 I/O Port Expander	5.50
F0280	MB8464A-10L	SO28W	CMOS 64K SRAM	7.50
F0034	MB8464-15LPF	SO28W	CMOS 64K Low Power SRAM	8.00
F0282	MC3486D	SO16	Quad EIA-RS422/423 Line Receiver	1.50
F0288	MC3487D	SO16	Quad EIA-RS422/423 Line Driver	1.50
70404	MC14490	SO16W	Hex Bounce Eliminator	3.00
70348	MC68HC11F1CPU4	TQFP80	8-Bit Microcontroller	15.00
78063	MPSA13	TO92	NPN Darlington Transistor	0.20
F0281	MSM6242B-GSVK	SO24W	Real Time Clock / Calendar	11.80
74427	MSM6255GS-BK	QFP80	Dot Matrix LCD Controller	5.00
F0037	MX27C512PC-90	DIL28	512K-BIT [64Kx8] CMOS OTP EPROM	9.00
F0039	MX29F040PC-70	DIL32	4M-BIT [512Kx8] CMOS EQUAL SECTOR FLASH MEMORY	9.00
70387	N80C196KC-20	PLCC68	Commercial/Express CHMOS MCU	28.00
78075	NDP406A	TO220	N-Channel Enhancement Mode Field Effect Transistor	2.50
F0197	OP07CP	DIL8	Ultralow Offset Voltage Dual Operational Amplifier	1.80
F0144	OP07EP	DIL8	Ultralow Offset Voltage Dual Operational Amplifier	4.80
70069	OP97FS	SO8	Low-Power, High-Precision Operational Amplifier	3.90
F0112	OP215FP	DIL8	Dual precision JFET-Input Operational Amplifier	3.80
70022	OP497GS	SO16W	Picoampere Input Current Quad Operational Amplifier	11.00
70008	OP77GP	DIL8	Ultra-low offset voltage Operational Amplifier	15.00
70054	OP220GS	SO8	Dual Micropower Operational Amplifier	6.00
70081	OPA335AIDBVT	SOT23-5	0.05uV/°C max, Single-Supply CMOS Operational Amplifier	2.90
70003	OPA404KU	SO16W	Quad High Speed Precision Difet(R) Operational Amplifier	12.50
70058	P28F256A-120	DIL32	256 Kilobit (32 K x 8-Bit) CMOS 12.0 Volt / Bulk Erase Flash Memory	55.00
70019	P80C32SBAA	PLCC44	8-Bit MCU	3.50
F0116 ^P	PA34CX	TO220-7	Power Operational Amplifie. 5-40V, 2.5Amin.	9.50
F0032	PC16550DV	PLCC44	Universal Asynchronous Receiver/Transmitter with FIFO's	12.00
70078	PCF8582C-2T	SO8	256 to 1024 x 8-bit CMOS EEPROMs with I2C-bus interface	2.00
P1126	SAB80C535-NTR	PLCC68	8-Bit MCU	55.00
70072	SG3524D	SO8	Voltage Mode PWMs	1.20
70395	SG3526N	DIL18	Pulse Width Modulation Control Circuit	5.90
40969	SL486DP	DIL16	Infra Red Remote Control Preamplifier	21.00
70340	SN75175D	SO16	Quad EIA-485 Line Receiver with Three-State Output	1.90
70074	SN75C1406N	DIL16	Triple Low-Power Drivers And Receivers RS232	2.10
78058	T0809MH	TO220	Triac	9.00
78055	T1210MH	TO220	Triac	3.50
F0119	TDA4445B	DIL16	Quasi Parallel Sound Processing with Quadrature Intercarrier Demodulator	5.50
F0199	TDA4453	DIL16	Video IF Amplifier for Multistandard TV Receiver and VTR Appliances	12.70
F0115	TL16C554FN	PLCC68	Quad UART with 16-Byte FIFOs	14.80
F0145	TLC7226CN	DIL20	8-Bit, 5 us Quad DAC, Parallel Input, Single / Dual Supply	4.10
F0050	TMP82C55AP-2	DIL40	Programmable Peripheral Interface	8.00
P0887	TMP47P440AN	SHRINKDIP40	OTP; 4096 x 8-bit	10.00
70009	TMS370C710AFNA	PLCC28	8-Bit MCU	25.00
F0091 ^P	TOP227Y	TO220	Three-terminal Off-line PWM Switch	8.00
7F0118	UA2240CN	DIL16	Programmable Timer/counter	3.90
F0044	UC3709N	DIL8	Inverting High-Speed MOSFET Drivers	4.10
F0021	UC3865N	DIL16	Resonant-Mode Power Supply Controllers	8.70
70402	UCN5810LWF	SO18W	BiMOS II 10-Bit Serial-In, Latched Source Drivers with Active-DMOS Pull-Down	6.80
70034	UDN2984A	DIL18	8-Channel Source Drivers	5.80
F0131	ULN2804A	DIL18	HIGH-VOLTAGE/HIGH-CURRENT DARLINGTON ARRAYS	0.80
67030	UPD71051C	DIL28	Serial Control Unit	14.00
F0040	X24C01P	DIL8	Serial E2PROM 128 x 8 Bit	0.60

Semi-conducteurs divers

Jusqu'à épuisement du stock

N°d'art.	Type	Boîtier		Prix 1...
70055	X24C44P	DIL8	256 Bit serial NOVRAM (16 x 16)	8.00
78068	Z0409ME	TO202	Triac 4A	9.00
70042	Z84C4406VEC	PLCC44	Z80MCU	12.50