DIGITAL-CMOS
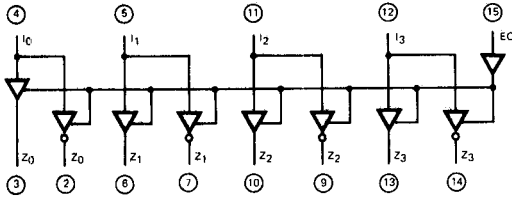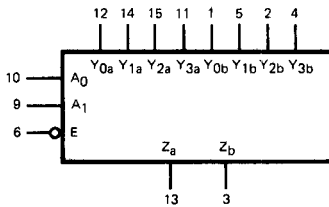
C62
4104B

V_{DDO} = Pin 1
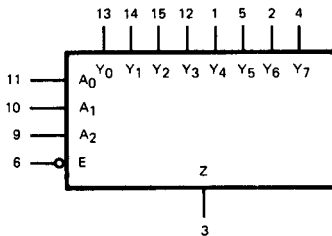V_{DDI} = Pin 16
V_{SS} = Pin 8

C63
4016B, 4066B

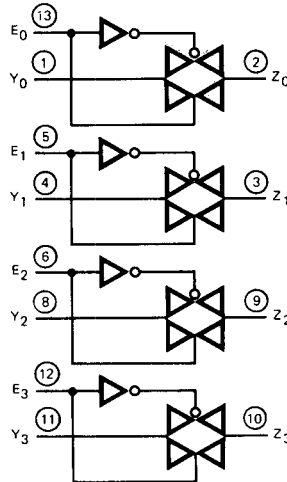V_{DD} = Pin 14
V_{SS} = Pin 7

C64
4052B

V_{DD} = Pin 16
V_{SS} = Pin 8
V_{EE} = Pin 7

C65
4051B

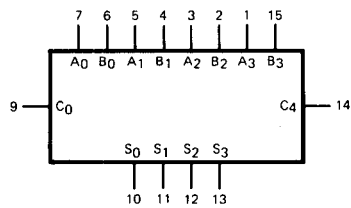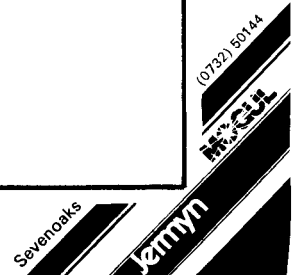V_{DD} = Pin 16
V_{SS} = Pin 8
V_{EE} = Pin 7

C66
4008B

V_{DD} = Pin 16
V_{SS} = Pin 8

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NOTE: The Flatpak versions have the same pinouts (Connection Diagram) as the Dual In-Line Packages.

SWITCHES

ANALOG SWITCHES

Item	DEVICE NO.	Description	Input Logic	Channel Resistance Ω (Max)	Supply Voltage V	Logic/Connection Diagram	Packages
1	SH3002	SPDT Analog Switch	TTL	200	±12	H6	TO-100
2	SH3003	DPST Analog Switch	TTL	200	±12	H7	TO-100
3	4016B	Quad Bilateral SPST Switch	CMOS	1080	3.0 to 15	C63	3I,6A,9A
4	4051B	8-Chan Analog Multiplexer	CMOS	340	3.0 to 15	C65	4L,6B,9B
5	4052B	Dual 4-Chan Analog Multiplexer	CMOS	340	3.0 to 15	C64	4L,6B,9B
6	4053B	Triple 2-Chan Analog Multiplexer	CMOS	340	3.0 to 15	C96	4L,6B,9B
7	4066B	Quad Bilateral SPST Switch	CMOS	300	3.0 to 15	C63	3I,6A,9A
8	4067B	16-Chan Analog Multiplexer	CMOS	340	3.0 to 15	C97	4M,6N,9N
9	4741B	4x4 Crosspoint Switch	CMOS	340	3.0 to 15	C98	4L,6B,9B

SPECIAL FUNCTIONS

TIMERS AND COUNTERS

Item	DEVICE NO.*	Function	Time Delay Hrs	Free Running Frequency KHz	Output Compatibility	Output Current mA	Supply Voltage V (Max)	Timing Error %	Logic/Connection Diagram	Package(s)
10	μA555	Single Timer	1.0	100	TTL	200	18	1.0	I28	5B,9T
11	μA556	Dual Timer	1.0	100	TTL	200	18	1.0	I29	7B,9B
12	μA2240	Programmable Timer-Counter	120	—	TTL	5.0	18	0.5	I27	7B,9B

*In some cases, only commercial temperature range devices are given. Please request specific information for military versions.

CMOS

REGISTERS

Item	Function	DEVICE NO.	No. of Bits	Serial Entry	Parallel Entry No. of Bits	Clock Edge	Max Clock Frequency MHz (Typ) $V_{DD} = 10V$	Clock To Output Delay - ns (Typ) $V_{DD} = 10V$	Logic/Connection Diagram	Package(s)
1	Parallel-In/Parallel-Out	4035B	4	J$\bar{\text{K}}$	4	L→H	17	90	C39	4L,6B,9B
2	Parallel-In/Parallel-Out Bidirectional	40194B	4	D	4	L→H	14	45	C40	4L,6B,9B
3	Parallel-In/Parallel-Out	40195B	4	J$\bar{\text{K}}$	4	L→H	14	45	C41	4L,6B,9B
4	Serial-In/Parallel-Out	4015B	8	D	—	L→H	14	85	C42	4L,6B,9B
5	Parallel-In/Serial-Out	4014B	8	D	8	L→H	14.7	68	C43	4L,6B,9B
6	Parallel-In/Serial-Out	4021B	8	D	8	L→H	18.1	74	C44	4L,6B,9B
7	Serial-In/Serial-Out	4006B	18	D	—	H→L	30	37	C45	3I,6A,9A
8	Serial-In/Serial-Out	4731B	256	D	—	H→L	8.0	95	C46	3I,6A,9A
9	Serial-In/Serial-Out	4031B	64	D	—	L→H	8.0	60	C78	4L,6B,9B
10	Serial-In/Serial-Out Variable	4557B	1 to 64	D	—	2- H→L or L→H	10	150	C80	4L,6B,9B
11	Parallel/Serial-Input/Output	4034B	8	D	8	L→H	8.0	155	C79	4M,6N,9N

DECODERS/DEMULTIPLEXERS

Item	Function	DEVICE NO.	Address Inputs	Active LOW Enable	Output Configuration	Select Delay ns (Typ) $V_{DD} = 10V$	Enable Delay ns (Typ) $V_{DD} = 10V$	Logic/Connection Diagram	Package(s)
12	Dual 1-of-4 Decoder	4555B	2x2	2	H	60	60	C34	4L,6B,9B
13	Dual 1-of-4 Decoder	4556B	2x2	2	L	68	58	C35	4L,6B,9B
14	1-of-10 Decoder	4028B	4	—	H	66	—	C36	4L,6B,9B
15	1-of-16 Decoder	4514B	4	1	H	95	95	C37	4M,6N,9N,9U
16	1-of-16 Decoder	4515B	4	1	L	95	95	C38	4M,6N,9N,9U
17	Dual 4-Channel Demultiplexer	4052B	2	1	H	125	105	C64	4L,6B,9B

CMOS

MONOSTABLES

Item	Function	DEVICE NO.	Typical Pulse Width Variation (%) V_{DD} = 15V	No. of Inputs		Resettable	Output (t_{pw})-ns V_{DD} = 5.0V	Logic/Connection Diagram	Package(s)
				Positive	Negative				
1	Dual Retriggerable Resettable Monostable Multivibrator	4528B	±3%	1	1	X	300	C61	4L,6B,9B
2	Low Power Monostable/ Astable Multivibrator	4047B	—	1	1	X	—	C115	3I,6A,9A
3	Dual Precision Monostable Multivibrator	4538B	±0.5%	1	1	X	200	C116	4L,6B,9B
4	Micro Power Phase Locked Loop	4046B	—	—	—	—	—	C117	4L,6B,9B

ANALOG DEVICES

Item	Function	DEVICE NO.	Enable Input	Max ON Resistance-Ω V_{DD} = V_{IS} = 10V	Max OFF State Leakage Current-nA V_{DD} = 10V	Signal Capability V	Logic/Connection Diagram	Package(s)
5	Quad Bilateral Switch	4016B	X	840	125	0-15 ±7.5	C63	3I,6A,9A
6	Quad Bilateral Switch	4066B	X	520	100	0-15 ±7.5	C63	3I,6A,9A
7	Dual 4-Channel Multiplex/Demultiplex	4052B	X	600	100	0-15 ±7.5	C64	4L,6B,9B
8	8-Channel Multiplexer/Demultiplexer	4051B	X	600	100	0-15 ±7.5	C65	4L,6B,9B
9	Triple 2-Channel Multiplex/Demultiplexer	4053B	X	600	100	0-15 ±7.5	C96	4L,6B,9B
10	16 Channel Mux/Demux	4067B	X	600	100	0-15 ±7.5	C97	4M,6Q,9U
11	4x4 Cross Point Switch	4741B	X	840	100	0-15 ±7.5	C98	4L,6B,9B

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Sevenoaks

Jermyn