



# Digital Parts

[Index](#)

[Analog](#)

[Mixed-Signal](#)

# Device Type Index

Click on a device type to jump to its page

[ADDER](#)

[ALU](#)

[Buffer \(Digital\)](#)

[Comparator](#)

[Counter](#)

[Decoder](#)

[Delay](#)

[Capacitive Load](#)

[Encoder](#)

[FLIP-FLOP](#)

[Gate Array Logic](#)

[GATE](#)

[Interface](#)

[Latch](#)

[Look-Ahead Carry Generator](#)

[Multiport Register](#)

[Monostable Multivibrator](#)

[Multiplexer \(Digital\)](#)

[Programmable Array Logic](#)

[Parity Generator](#)

[Priority Encoder](#)

[Pulldown Resistor](#)

[Pullup Resistor](#)

[Register](#)

[Schmitt Trigger](#)

[Shift Register](#)

[Translator](#)

**TTL**

[ADDER](#)

[Address Comparator](#)

[ALU](#)

[Buffer \(Digital\)](#)

[BUS](#)

[Comparator](#)

[Converter](#)

[Counter](#)

[Decoder](#)

[Delay](#)

[Expander](#)

[FLIP-FLOP](#)

[Frequency Divider](#)

[GATE](#)

[Identity Comparator](#)

[Latch](#)

[Look-Ahead Carry Generator](#)

[Line Driver](#)

[Magnitude Comparator](#)

[Multifunction](#)

[Multiplier \(Digital\)](#)

[Monostable Multivibrator](#)

[Multiplexer \(Digital\)](#)

[Parity Generator](#)

[Priority Encoder](#)

[PROM](#)

[Pulse Synchronizer](#)

[Register](#)

[Rate Multiplier](#)

[Shift Register](#)

[Tranceiver](#)

[True/Complement](#)

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
ADDER	100180		100180	DIG_ECL.OLB	ECL100	
ADDER	10180		10180	DIG_ECL.OLB	ECL10	
ALU	10181		10181	DIG_ECL.OLB	ECL10	
Buffer (Digital)	100122		100122	DIG_ECL.OLB	ECL100	
Buffer (Digital)	10188		10188	DIG_ECL.OLB	ECL10	
Buffer (Digital)	CD4009A		CD4009A	CD4000.OLB	CD	
Buffer (Digital)	CD4009UB		CD4009UB	CD4000.OLB	CD	
Buffer (Digital)	CD4010A		CD4010A	CD4000.OLB	CD	
Buffer (Digital)	CD4010B		CD4010B	CD4000.OLB	CD	
Buffer (Digital)	CD4041A		CD4041A	CD4000.OLB	CD	
Buffer (Digital)	CD4041UB		CD4041UB	CD4000.OLB	CD	
Buffer (Digital)	CD4049A		CD4049A	CD4000.OLB	CD	
Buffer (Digital)	CD4049UB		CD4049UB	CD4000.OLB	CD	
Buffer (Digital)	CD4050A		CD4050A	CD4000.OLB	CD	
Buffer (Digital)	CD4050B		CD4050B	CD4000.OLB	CD	
Buffer (Digital)	CD4503B		CD4503B	CD4000.OLB	CD	
Comparator	100166		100166	DIG_ECL.OLB	ECL100	
Counter	100136		100136	DIG_ECL.OLB	ECL100	
Counter	10136		10136	DIG_ECL.OLB	ECL10	
Counter	10137		10137	DIG_ECL.OLB	ECL10	
Counter	CD40102B		CD40102B	CD4000.OLB	CD	
Counter	CD40103B		CD40103B	CD4000.OLB	CD	
Counter	CD40160B		CD40160B	CD4000.OLB	CD	
Counter	CD40161B		CD40161B	CD4000.OLB	CD	
Counter	CD40162B		CD40162B	CD4000.OLB	CD	
Counter	CD40163B		CD40163B	CD4000.OLB	CD	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	CD4017A		CD4017A	CD4000.OLB	CD	
Counter	CD4017B		CD4017B	CD4000.OLB	CD	
Counter	CD4018A		CD4018A	CD4000.OLB	CD	
Counter	CD4018B		CD4018B	CD4000.OLB	CD	
Counter	CD40192B		CD40192B	CD4000.OLB	CD	
Counter	CD40193B		CD40193B	CD4000.OLB	CD	
Counter	CD4020A		CD4020A	CD4000.OLB	CD	
Counter	CD4020B		CD4020B	CD4000.OLB	CD	
Counter	CD4022B		CD4022B	CD4000.OLB	CD	
Counter	CD4024A		CD4024A	CD4000.OLB	CD	
Counter	CD4024B		CD4024B	CD4000.OLB	CD	
Counter	CD4029A		CD4029A	CD4000.OLB	CD	
Counter	CD4029B		CD4029B	CD4000.OLB	CD	
Counter	CD4040B		CD4040B	CD4000.OLB	CD	
Counter	CD4510B		CD4510B	CD4000.OLB	CD	
Counter	CD4516B		CD4516B	CD4000.OLB	CD	
Counter	CD4518B		CD4518B	CD4000.OLB	CD	
Counter	CD4520B		CD4520B	CD4000.OLB	CD	
Decoder	100170		100170	DIG_ECL.OLB	ECL100	
Decoder	10161		10161	DIG_ECL.OLB	ECL10	
Decoder	10162		10162	DIG_ECL.OLB	ECL10	
Decoder	10171		10171	DIG_ECL.OLB	ECL10	
Decoder	10172		10172	DIG_ECL.OLB	ECL10	
Decoder	CD4028A		CD4028A	CD4000.OLB	CD	
Decoder	CD4028B		CD4028B	CD4000.OLB	CD	
Decoder	CD4514B		CD4514B	CD4000.OLB	CD	
Decoder	CD4515B		CD4515B	CD4000.OLB	CD	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Decoder	CD4555B		CD4555B	CD4000.OLB	CD	
Decoder	CD4556B		CD4556B	CD4000.OLB	CD	
Delay	DELAY		DELAY	DIG_MISC.OLB	MISC_DIG	
Capacitive Load	DIGCAP		DIGCAP	DIG_MISC.OLB	MISC_DIG	
Encoder	100165		100165	DIG_ECL.OLB	ECL100	
Encoder	10165		10165	DIG_ECL.OLB	ECL10	
FLIP-FLOP	100131		100131	DIG_ECL.OLB	ECL100	
FLIP-FLOP	100151		100151	DIG_ECL.OLB	ECL100	
FLIP-FLOP	100231		100231	DIG_ECL.OLB	ECL100	
FLIP-FLOP	10131		10131	DIG_ECL.OLB	ECL10	
FLIP-FLOP	10135		10135	DIG_ECL.OLB	ECL10	
FLIP-FLOP	10176		10176	DIG_ECL.OLB	ECL10	
FLIP-FLOP	10231		10231	DIG_ECL.OLB	ECL10	
FLIP-FLOP	CD4013A		CD4013A	CD4000.OLB	CD	
FLIP-FLOP	CD4013B		CD4013B	CD4000.OLB	CD	
FLIP-FLOP	CD40174B		CD40174B	CD4000.OLB	CD	
FLIP-FLOP	CD40175B		CD40175B	CD4000.OLB	CD	
FLIP-FLOP	CD4027A		CD4027A	CD4000.OLB	CD	
FLIP-FLOP	CD4027B		CD4027B	CD4000.OLB	CD	
FLIP-FLOP	CD4042A		CD4042A	CD4000.OLB	CD	
FLIP-FLOP	CD4042B		CD4042B	CD4000.OLB	CD	
FLIP-FLOP	CD4095B		CD4095B	CD4000.OLB	CD	
FLIP-FLOP	CD4096B		CD4096B	CD4000.OLB	CD	
Gate Array Logic	GAL16V8-20L		GAL16V8-20L	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8-25L		GAL16V8-25L	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8-25Q		GAL16V8-25Q	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8-30L		GAL16V8-30L	DIG_GAL.OLB	GAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Gate Array Logic	GAL16V8-30Q		GAL16V8-30Q	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8A-10		GAL16V8A-10	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8A-12		GAL16V8A-12	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8A-15		GAL16V8A-15	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL16V8A-20		GAL16V8A-20	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8-20L		GAL20V8-20L	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8-25L		GAL20V8-25L	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8-25Q		GAL20V8-25Q	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8-30L		GAL20V8-30L	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8-30Q		GAL20V8-30Q	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8A-10		GAL20V8A-10	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8A-12		GAL20V8A-12	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8A-15		GAL20V8A-15	DIG_GAL.OLB	GAL	
Gate Array Logic	GAL20V8A-20		GAL20V8A-20	DIG_GAL.OLB	GAL	
GATE	100101		100101	DIG_ECL.OLB	ECL100	
GATE	100102		100102	DIG_ECL.OLB	ECL100	
GATE	100107		100107	DIG_ECL.OLB	ECL100	
GATE	100117		100117	DIG_ECL.OLB	ECL100	
GATE	100118		100118	DIG_ECL.OLB	ECL100	
GATE	10100		10100	DIG_ECL.OLB	ECL10	
GATE	10101		10101	DIG_ECL.OLB	ECL10	
GATE	10102		10102	DIG_ECL.OLB	ECL10	
GATE	10103		10103	DIG_ECL.OLB	ECL10	
GATE	10104		10104	DIG_ECL.OLB	ECL10	
GATE	10105		10105	DIG_ECL.OLB	ECL10	
GATE	10106		10106	DIG_ECL.OLB	ECL10	
GATE	10107		10107	DIG_ECL.OLB	ECL10	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	10108		10108	DIG_ECL.OLB	ECL10	
GATE	10109		10109	DIG_ECL.OLB	ECL10	
GATE	10113		10113	DIG_ECL.OLB	ECL10	
GATE	10117		10117	DIG_ECL.OLB	ECL10	
GATE	10118		10118	DIG_ECL.OLB	ECL10	
GATE	10119		10119	DIG_ECL.OLB	ECL10	
GATE	10121		10121	DIG_ECL.OLB	ECL10	
GATE	10189		10189	DIG_ECL.OLB	ECL10	
GATE	CD4000A		CD4000A	CD4000.OLB	CD	
GATE	CD4000B		CD4000B	CD4000.OLB	CD	
GATE	CD4000UB		CD4000UB	CD4000.OLB	CD	
GATE	CD4001A		CD4001A	CD4000.OLB	CD	
GATE	CD4001B		CD4001B	CD4000.OLB	CD	
GATE	CD4001UB		CD4001UB	CD4000.OLB	CD	
GATE	CD4002A		CD4002A	CD4000.OLB	CD	
GATE	CD4002B		CD4002B	CD4000.OLB	CD	
GATE	CD4002UB		CD4002UB	CD4000.OLB	CD	
GATE	CD40107B		CD40107B	CD4000.OLB	CD	
GATE	CD4011A		CD4011A	CD4000.OLB	CD	
GATE	CD4011B		CD4011B	CD4000.OLB	CD	
GATE	CD4011UB		CD4011UB	CD4000.OLB	CD	
GATE	CD4012A		CD4012A	CD4000.OLB	CD	
GATE	CD4012B		CD4012B	CD4000.OLB	CD	
GATE	CD4012UB		CD4012UB	CD4000.OLB	CD	
GATE	CD4019A		CD4019A	CD4000.OLB	CD	
GATE	CD4019B		CD4019B	CD4000.OLB	CD	
GATE	CD4023A		CD4023A	CD4000.OLB	CD	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	CD4023B		CD4023B	CD4000.OLB	CD	
GATE	CD4023UB		CD4023UB	CD4000.OLB	CD	
GATE	CD4025A		CD4025A	CD4000.OLB	CD	
GATE	CD4025B		CD4025B	CD4000.OLB	CD	
GATE	CD4025UB		CD4025UB	CD4000.OLB	CD	
GATE	CD4030A		CD4030A	CD4000.OLB	CD	
GATE	CD4030B		CD4030B	CD4000.OLB	CD	
GATE	CD4048A		CD4048A	CD4000.OLB	CD	
GATE	CD4048B		CD4048B	CD4000.OLB	CD	
GATE	CD4068B		CD4068B	CD4000.OLB	CD	
GATE	CD4069UB		CD4069UB	CD4000.OLB	CD	
GATE	CD4070B		CD4070B	CD4000.OLB	CD	
GATE	CD4071B		CD4071B	CD4000.OLB	CD	
GATE	CD4072B		CD4072B	CD4000.OLB	CD	
GATE	CD4073B		CD4073B	CD4000.OLB	CD	
GATE	CD4075B		CD4075B	CD4000.OLB	CD	
GATE	CD4077B		CD4077B	CD4000.OLB	CD	
GATE	CD4078B		CD4078B	CD4000.OLB	CD	
GATE	CD4081B		CD4081B	CD4000.OLB	CD	
GATE	CD4082B		CD4082B	CD4000.OLB	CD	
GATE	CD4085B		CD4085B	CD4000.OLB	CD	
GATE	CD4086B		CD4086B	CD4000.OLB	CD	
GATE	CD4093B		CD4093B	CD4000.OLB	CD	
GATE	CD4502B		CD4502B	CD4000.OLB	CD	
Interface	HC-5509B	Harris Semiconductor	HC-5509B/HA	HARRIS.OLB	DIEISO	
Latch	100130		100130	DIG_ECL.OLB	ECL100	
Latch	100150		100150	DIG_ECL.OLB	ECL100	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Latch	10133		10133	DIG_ECL.OLB	ECL10	
Latch	10175		10175	DIG_ECL.OLB	ECL10	
Latch	CD4043B		CD4043B	CD4000.OLB	CD	
Latch	CD4044B		CD4044B	CD4000.OLB	CD	
Latch	CD4099B		CD4099B	CD4000.OLB	CD	
Latch	CD4508B		CD4508B	CD4000.OLB	CD	
Latch	CD4724B		CD4724B	CD4000.OLB	CD	
Look-Ahead Carry Generator	100179		100179	DIG_ECL.OLB	ECL100	
Look-Ahead Carry Generator	10179		10179	DIG_ECL.OLB	ECL10	
Multiplex Register	CD40108B		CD40108B	CD4000.OLB	CD	
Multiplex Register	CD40208B		CD40208B	CD4000.OLB	CD	
Monostable Multivibrator	CD4098B		CD4098B	1_SHOT.OLB	CD	
Monostable Multivibrator	CD4538B		CD4538B	CD4000.OLB	CD	
Multiplexer (Digital)	100155		100155	DIG_ECL.OLB	ECL100	
Multiplexer (Digital)	100163		100163	DIG_ECL.OLB	ECL100	
Multiplexer (Digital)	100164		100164	DIG_ECL.OLB	ECL100	
Multiplexer (Digital)	100171		100171	DIG_ECL.OLB	ECL100	
Multiplexer (Digital)	10132		10132	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10134		10134	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10158		10158	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10159		10159	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10164		10164	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10173		10173	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	10174		10174	DIG_ECL.OLB	ECL10	
Multiplexer (Digital)	CD40257B		CD40257B	CD4000.OLB	CD	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Multiplexer (Digital)	CD4512B		CD4512B	CD4000.OLB	CD	
Programmable Array Logic	PAL10H8		PAL10H8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL10H8A		PAL10H8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL10H8A2		PAL10H8A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL10L8		PAL10L8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL10L8A		PAL10L8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL10L8A2		PAL10L8A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12H6		PAL12H6	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12H6A		PAL12H6A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12H6A2		PAL12H6A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12L10		PAL12L10	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12L10A		PAL12L10A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12L6		PAL12L6	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12L6A		PAL12L6A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL12L6A2		PAL12L6A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14H4		PAL14H4	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14H4A		PAL14H4A	DIG_PAL.OLB	PAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Programmable Array Logic	PAL14H4A2		PAL14H4A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14HA			DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14L4		PAL14L4	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14L4A		PAL14L4A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14L4A2		PAL14L4A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14L8		PAL14L8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL14L8A		PAL14L8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16C1		PAL16C1	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16C1A		PAL16C1A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16C1A2		PAL16C1A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16H2		PAL16H2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16H2A		PAL16H2A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16H2A2		PAL16H2A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L2		PAL16L2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L2A		PAL16L2A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L2A2		PAL16L2A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L6		PAL16L6	DIG_PAL.OLB	PAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Programmable Array Logic	PAL16L6A		PAL16L6A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8		PAL16L8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8A		PAL16L8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8A2		PAL16L8A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8B		PAL16L8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8B2		PAL16L8B2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16L8D		PAL16L8D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4		PAL16R4	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4A		PAL16R4A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4A2		PAL16R4A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4B		PAL16R4B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4B2		PAL16R4B2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R4D		PAL16R4D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R6		PAL16R6	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R6A		PAL16R6A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R6A2		PAL16R6A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R6B		PAL16R6B	DIG_PAL.OLB	PAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Programmable Array Logic	PAL16R6B2		PAL16R6B2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R6D		PAL16R6D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8		PAL16R8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8A		PAL16R8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8A2		PAL16R8A2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8B		PAL16R8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8B2		PAL16R8B2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL16R8D		PAL16R8D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL18L4		PAL18L4	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL18L4A		PAL18L4A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20C1		PAL20C1	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20C1A		PAL20C1A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L10		PAL20L10	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L10A		PAL20L10A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L2		PAL20L2	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L2A		PAL20L2A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L8A		PAL20L8A	DIG_PAL.OLB	PAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Programmable Array Logic	PAL20L8B		PAL20L8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20L8D		PAL20L8D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20P8B		PAL20P8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R4A		PAL20R4A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R4B		PAL20R4B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R4D		PAL20R4D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R6A		PAL20R6A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R6B		PAL20R6B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R6D		PAL20R6D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R8A		PAL20R8A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R8B		PAL20R8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20R8D		PAL20R8D	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20RP4B		PAL20RP4B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20RP6B		PAL20RP6B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20RP8B		PAL20RP8B	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20X10		PAL20X10	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20X10A		PAL20X10A	DIG_PAL.OLB	PAL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Programmable Array Logic	PAL20X4		PAL20X4	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20X4A		PAL20X4A	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20X8		PAL20X8	DIG_PAL.OLB	PAL	
Programmable Array Logic	PAL20X8A		PAL20X8A	DIG_PAL.OLB	PAL	
Parity Generator	100160		100160	DIG_ECL.OLB	ECL100	
Priority Encoder	CD40147B		CD40147B	CD4000.OLB	CD	
Priority Encoder	CD4532B		CD4532B	CD4000.OLB	CD	
Pulldown Resistor	PULLDOWN		PULLDOWN	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_100		PULLDOWN_100	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_150		PULLDOWN_150	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_1K		PULLDOWN_1K	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_200		PULLDOWN_200	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_220		PULLDOWN_220	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_300		PULLDOWN_300	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_330		PULLDOWN_330	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_50		PULLDOWN_50	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_500		PULLDOWN_500	DIG_MISC.OLB	MISC_DIG	
Pulldown Resistor	PULLDOWN_75		PULLDOWN_75	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP		PULLUP	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_100		PULLUP_100	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_150		PULLUP_150	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_1K		PULLUP_1K	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_200		PULLUP_200	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_220		PULLUP_220	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_300		PULLUP_300	DIG_MISC.OLB	MISC_DIG	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Pullup Resistor	PULLUP_330		PULLUP_330	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_50		PULLUP_50	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_500		PULLUP_500	DIG_MISC.OLB	MISC_DIG	
Pullup Resistor	PULLUP_75		PULLUP_75	DIG_MISC.OLB	MISC_DIG	
Register	CD4076B		CD4076B	CD4000.OLB	CD	
Schmitt Trigger	CD40106B		CD40106B	CD4000.OLB	CD	
Shift Register	100141		100141	DIG_ECL.OLB	ECL100	
Shift Register	100158		100158	DIG_ECL.OLB	ECL100	
Shift Register	10141		10141	DIG_ECL.OLB	ECL10	
Translator	100124		100124	DIG_ECL.OLB	ECL100	
Translator	100125		100125	DIG_ECL.OLB	ECL100	
Translator	100255		100255	DIG_ECL.OLB	ECL100	
Translator	10124		10124	DIG_ECL.OLB	ECL10	
Translator	10125		10125	DIG_ECL.OLB	ECL10	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
ADDER	74283		74283	7400.OLB	74TTL	
ADDER	7480		7480	7400.OLB	74TTL	
ADDER	7482		7482	7400.OLB	74TTL	
ADDER	7483A		7483A	7400.OLB	74TTL	
ADDER	74AC283		74AC283	74AC.OLB	74TTL	
ADDER	74ACT283		74ACT283	74ACT.OLB	74TTL	
ADDER	74F283		74F283	74F.OLB	74TTL	
ADDER	74H183		74H183	74H.OLB	74TTL	
ADDER	74HC283		74HC283	74HC.OLB	74TTL	
ADDER	74LS183		74LS183	74LS.OLB	74TTL	
ADDER	74LS283		74LS283	74LS.OLB	74TTL	
ADDER	74LS83A		74LS83A	74LS.OLB	74TTL	
ADDER	74S283		74S283	74S.OLB	74TTL	
Address Comparator	74ALS677A		74ALS677A	74ALS.OLB	74TTL	
Address Comparator	74ALS678		74ALS678	74ALS.OLB	74TTL	
Address Comparator	74ALS679		74ALS679	74ALS.OLB	74TTL	
Address Comparator	74ALS680		74ALS680	74ALS.OLB	74TTL	
Address Comparator	74HC677		74HC677	74HC.OLB	74TTL	
Address Comparator	74HC678		74HC678	74HC.OLB	74TTL	
Address Comparator	74HC679		74HC679	74HC.OLB	74TTL	
Address Comparator	74HC680		74HC680	74HC.OLB	74TTL	
ALU	74181		74181	7400.OLB	74TTL	
ALU	74AC181		74AC181	74AC.OLB	74TTL	
ALU	74AC381		74AC381	74AC.OLB	74TTL	
ALU	74ACT181		74ACT181	74ACT.OLB	74TTL	
ALU	74ACT381		74ACT381	74ACT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
ALU	74AS181A		74AS181A	74AS.OLB	74TTL	
ALU	74AS181B		74AS181B	74AS.OLB	74TTL	
ALU	74AS881A		74AS881A	74AS.OLB	74TTL	
ALU	74F181		74F181	74F.OLB	74TTL	
ALU	74F381		74F381	74F.OLB	74TTL	
ALU	74F382		74F382	74F.OLB	74TTL	
ALU	74F881		74F881	74F.OLB	74TTL	
ALU	74HC181		74HC181	74HC.OLB	74TTL	
ALU	74HCT181		74HCT181	74HCT.OLB	74TTL	
ALU	74LS181		74LS181	74LS.OLB	74TTL	
ALU	74LS381A		74LS381A	74LS.OLB	74TTL	
ALU	74LS382		74LS382	74LS.OLB	74TTL	
ALU	74S181		74S181	74S.OLB	74TTL	
ALU	74S381		74S381	74S.OLB	74TTL	
Buffer (Digital)	74ALS1240		74ALS1240	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS1244A		74ALS1244A	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS2541		74ALS2541	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS465A		74ALS465A	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS466A		74ALS466A	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS467A		74ALS467A	74ALS.OLB	74TTL	
Buffer (Digital)	74ALS468A		74ALS468A	74ALS.OLB	74TTL	
Buffer (Digital)	74LS465		74LS465	74LS.OLB	74TTL	
Buffer (Digital)	74LS466		74LS466	74LS.OLB	74TTL	
Buffer (Digital)	74LS467		74LS467	74LS.OLB	74TTL	
Buffer (Digital)	74LS468		74LS468	74LS.OLB	74TTL	
BUS	74125		74125	7400.OLB	74TTL	
BUS	74126		74126	7400.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74365A		74365A	7400.OLB	74TTL	
BUS	74366A		74366A	7400.OLB	74TTL	
BUS	74367A		74367A	7400.OLB	74TTL	
BUS	74368A		74368A	7400.OLB	74TTL	
BUS	74425		74425	7400.OLB	74TTL	
BUS	74426		74426	7400.OLB	74TTL	
BUS	74AC245		74AC245	74AC.OLB	74TTL	
BUS	74AC620		74AC620	74AC.OLB	74TTL	
BUS	74AC623		74AC623	74AC.OLB	74TTL	
BUS	74AC640		74AC640	74AC.OLB	74TTL	
BUS	74AC643		74AC643	74AC.OLB	74TTL	
BUS	74AC646		74AC646	74AC.OLB	74TTL	
BUS	74AC648		74AC648	74AC.OLB	74TTL	
BUS	74ACT245		74ACT245	74ACT.OLB	74TTL	
BUS	74ACT620		74ACT620	74ACT.OLB	74TTL	
BUS	74ACT623		74ACT623	74ACT.OLB	74TTL	
BUS	74ACT640		74ACT640	74ACT.OLB	74TTL	
BUS	74ACT643		74ACT643	74ACT.OLB	74TTL	
BUS	74ALS1242A		74ALS1242A	74ALS.OLB	74TTL	
BUS	74ALS1245A		74ALS1245A	74ALS.OLB	74TTL	
BUS	74ALS242B		74ALS242B	74ALS.OLB	74TTL	
BUS	74ALS243A		74ALS243A	74ALS.OLB	74TTL	
BUS	74ALS245A		74ALS245A	74ALS.OLB	74TTL	
BUS	74ALS29827		74ALS29827	74ALS.OLB	74TTL	
BUS	74ALS29828		74ALS29828	74ALS.OLB	74TTL	
BUS	74ALS614		74ALS614	74ALS.OLB	74TTL	
BUS	74ALS615		74ALS615	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74ALS620A		74ALS620A	74ALS.OLB	74TTL	
BUS	74ALS621A		74ALS621A	74ALS.OLB	74TTL	
BUS	74ALS622A		74ALS622A	74ALS.OLB	74TTL	
BUS	74ALS623A		74ALS623A	74ALS.OLB	74TTL	
BUS	74ALS638A		74ALS638A	74ALS.OLB	74TTL	
BUS	74ALS639A		74ALS639A	74ALS.OLB	74TTL	
BUS	74ALS640A		74ALS640A	74ALS.OLB	74TTL	
BUS	74ALS641A		74ALS641A	74ALS.OLB	74TTL	
BUS	74ALS642A		74ALS642A	74ALS.OLB	74TTL	
BUS	74ALS643A		74ALS643A	74ALS.OLB	74TTL	
BUS	74ALS644A		74ALS644A	74ALS.OLB	74TTL	
BUS	74ALS645A		74ALS645A	74ALS.OLB	74TTL	
BUS	74ALS646		74ALS646	74ALS.OLB	74TTL	
BUS	74ALS648		74ALS648	74ALS.OLB	74TTL	
BUS	74ALS651		74ALS651	74ALS.OLB	74TTL	
BUS	74ALS652		74ALS652	74ALS.OLB	74TTL	
BUS	74ALS653		74ALS653	74ALS.OLB	74TTL	
BUS	74ALS654		74ALS654	74ALS.OLB	74TTL	
BUS	74ALS758		74ALS758	74ALS.OLB	74TTL	
BUS	74AS242		74AS242	74AS.OLB	74TTL	
BUS	74AS243		74AS243	74AS.OLB	74TTL	
BUS	74AS245		74AS245	74AS.OLB	74TTL	
BUS	74AS620		74AS620	74AS.OLB	74TTL	
BUS	74AS621		74AS621	74AS.OLB	74TTL	
BUS	74AS622		74AS622	74AS.OLB	74TTL	
BUS	74AS623		74AS623	74AS.OLB	74TTL	
BUS	74AS638		74AS638	74AS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74AS639		74AS639	74AS.OLB	74TTL	
BUS	74AS640		74AS640	74AS.OLB	74TTL	
BUS	74AS641		74AS641	74AS.OLB	74TTL	
BUS	74AS642		74AS642	74AS.OLB	74TTL	
BUS	74AS643		74AS643	74AS.OLB	74TTL	
BUS	74AS644		74AS644	74AS.OLB	74TTL	
BUS	74AS645		74AS645	74AS.OLB	74TTL	
BUS	74AS646		74AS646	74AS.OLB	74TTL	
BUS	74AS648		74AS648	74AS.OLB	74TTL	
BUS	74AS651		74AS651	74AS.OLB	74TTL	
BUS	74AS652		74AS652	74AS.OLB	74TTL	
BUS	74AS758		74AS758	74AS.OLB	74TTL	
BUS	74AS759		74AS759	74AS.OLB	74TTL	
BUS	74F242		74F242	74F.OLB	74TTL	
BUS	74F243		74F243	74F.OLB	74TTL	
BUS	74F245		74F245	74F.OLB	74TTL	
BUS	74F620		74F620	74F.OLB	74TTL	
BUS	74F621		74F621	74F.OLB	74TTL	
BUS	74F622		74F622	74F.OLB	74TTL	
BUS	74F623		74F623	74F.OLB	74TTL	
BUS	74F640		74F640	74F.OLB	74TTL	
BUS	74F651		74F651	74F.OLB	74TTL	
BUS	74F651A		74F651A	74F.OLB	74TTL	
BUS	74F652		74F652	74F.OLB	74TTL	
BUS	74F652A		74F652A	74F.OLB	74TTL	
BUS	74F653		74F653	74F.OLB	74TTL	
BUS	74F654		74F654	74F.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74HC125		74HC125	74HC.OLB	74TTL	
BUS	74HC126		74HC126	74HC.OLB	74TTL	
BUS	74HC242		74HC242	74HC.OLB	74TTL	
BUS	74HC243		74HC243	74HC.OLB	74TTL	
BUS	74HC245		74HC245	74HC.OLB	74TTL	
BUS	74HC365		74HC365	74HC.OLB	74TTL	
BUS	74HC366		74HC366	74HC.OLB	74TTL	
BUS	74HC367		74HC367	74HC.OLB	74TTL	
BUS	74HC368		74HC368	74HC.OLB	74TTL	
BUS	74HC620		74HC620	74HC.OLB	74TTL	
BUS	74HC623		74HC623	74HC.OLB	74TTL	
BUS	74HC640		74HC640	74HC.OLB	74TTL	
BUS	74HC643		74HC643	74HC.OLB	74TTL	
BUS	74HC645		74HC645	74HC.OLB	74TTL	
BUS	74HC646		74HC646	74HC.OLB	74TTL	
BUS	74HC648		74HC648	74HC.OLB	74TTL	
BUS	74HC651		74HC651	74HC.OLB	74TTL	
BUS	74HC652		74HC652	74HC.OLB	74TTL	
BUS	74HCT242		74HCT242	74HCT.OLB	74TTL	
BUS	74HCT243		74HCT243	74HCT.OLB	74TTL	
BUS	74HCT245		74HCT245	74HCT.OLB	74TTL	
BUS	74HCT620		74HCT620	74HCT.OLB	74TTL	
BUS	74HCT623		74HCT623	74HCT.OLB	74TTL	
BUS	74HCT640		74HCT640	74HCT.OLB	74TTL	
BUS	74HCT643		74HCT643	74HCT.OLB	74TTL	
BUS	74HCT645		74HCT645	74HCT.OLB	74TTL	
BUS	74HCT646		74HCT646	74HCT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74HCT648		74HCT648	74HCT.OLB	74TTL	
BUS	74HCT651		74HCT651	74HCT.OLB	74TTL	
BUS	74HCT652		74HCT652	74HCT.OLB	74TTL	
BUS	74LS125A		74LS125A	74LS.OLB	74TTL	
BUS	74LS126A		74LS126A	74LS.OLB	74TTL	
BUS	74LS242		74LS242	74LS.OLB	74TTL	
BUS	74LS243		74LS243	74LS.OLB	74TTL	
BUS	74LS245		74LS245	74LS.OLB	74TTL	
BUS	74LS365A		74LS365A	74LS.OLB	74TTL	
BUS	74LS366A		74LS366A	74LS.OLB	74TTL	
BUS	74LS367A		74LS367A	74LS.OLB	74TTL	
BUS	74LS368A		74LS368A	74LS.OLB	74TTL	
BUS	74LS440		74LS440	74LS.OLB	74TTL	
BUS	74LS441		74LS441	74LS.OLB	74TTL	
BUS	74LS442		74LS442	74LS.OLB	74TTL	
BUS	74LS443		74LS443	74LS.OLB	74TTL	
BUS	74LS444		74LS444	74LS.OLB	74TTL	
BUS	74LS446		74LS446	74LS.OLB	74TTL	
BUS	74LS448		74LS448	74LS.OLB	74TTL	
BUS	74LS449		74LS449	74LS.OLB	74TTL	
BUS	74LS620		74LS620	74LS.OLB	74TTL	
BUS	74LS621		74LS621	74LS.OLB	74TTL	
BUS	74LS622		74LS622	74LS.OLB	74TTL	
BUS	74LS623		74LS623	74LS.OLB	74TTL	
BUS	74LS638		74LS638	74LS.OLB	74TTL	
BUS	74LS639		74LS639	74LS.OLB	74TTL	
BUS	74LS640		74LS640	74LS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
BUS	74LS641		74LS641	74LS.OLB	74TTL	
BUS	74LS642		74LS642	74LS.OLB	74TTL	
BUS	74LS643		74LS643	74LS.OLB	74TTL	
BUS	74LS644		74LS644	74LS.OLB	74TTL	
BUS	74LS645		74LS645	74LS.OLB	74TTL	
BUS	74LS646		74LS646	74LS.OLB	74TTL	
BUS	74LS648		74LS648	74LS.OLB	74TTL	
BUS	74LS651		74LS651	74LS.OLB	74TTL	
BUS	74LS652		74LS652	74LS.OLB	74TTL	
BUS	74LS653		74LS653	74LS.OLB	74TTL	
BUS	74LS654		74LS654	74LS.OLB	74TTL	
BUS	74S226		74S226	74S.OLB	74TTL	
Comparator	74265		74265	7400.OLB	74TTL	
Comparator	74F524		74F524	74F.OLB	74TTL	
Converter	74184		74184	7400.OLB	74TTL	
Converter	74185A		74185A	7400.OLB	74TTL	
Counter	54L90		54L90	74L.OLB	74TTL	
Counter	54L93		54L93	74L.OLB	74TTL	
Counter	74143		74143	7400.OLB	74TTL	
Counter	74144		74144	7400.OLB	74TTL	
Counter	74160		74160	7400.OLB	74TTL	
Counter	74161		74161	7400.OLB	74TTL	
Counter	74162		74162	7400.OLB	74TTL	
Counter	74163		74163	7400.OLB	74TTL	
Counter	74176		74176	7400.OLB	74TTL	
Counter	74177		74177	7400.OLB	74TTL	
Counter	74190		74190	7400.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	74191		74191	7400.OLB	74TTL	
Counter	74192		74192	7400.OLB	74TTL	
Counter	74193		74193	7400.OLB	74TTL	
Counter	74196		74196	7400.OLB	74TTL	
Counter	74197		74197	7400.OLB	74TTL	
Counter	74290		74290	7400.OLB	74TTL	
Counter	74293		74293	7400.OLB	74TTL	
Counter	74390		74390	7400.OLB	74TTL	
Counter	74393		74393	7400.OLB	74TTL	
Counter	74490		74490	7400.OLB	74TTL	
Counter	7490A		7490A	7400.OLB	74TTL	
Counter	7492A		7492A	7400.OLB	74TTL	
Counter	7493A		7493A	7400.OLB	74TTL	
Counter	74AC161		74AC161	74AC.OLB	74TTL	
Counter	74AC162		74AC162	74AC.OLB	74TTL	
Counter	74AC163		74AC163	74AC.OLB	74TTL	
Counter	74AC169		74AC169	74AC.OLB	74TTL	
Counter	74AC191		74AC191	74AC.OLB	74TTL	
Counter	74AC193		74AC193	74AC.OLB	74TTL	
Counter	74AC390		74AC390	74AC.OLB	74TTL	
Counter	74AC393		74AC393	74AC.OLB	74TTL	
Counter	74AC4020		74AC4020	74AC.OLB	74TTL	
Counter	74AC4040		74AC4040	74AC.OLB	74TTL	
Counter	74ACT161		74ACT161	74ACT.OLB	74TTL	
Counter	74ACT163		74ACT163	74ACT.OLB	74TTL	
Counter	74ACT193		74ACT193	74ACT.OLB	74TTL	
Counter	74ACT393		74ACT393	74ACT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	74ALS160B		74ALS160B	74ALS.OLB	74TTL	
Counter	74ALS161B		74ALS161B	74ALS.OLB	74TTL	
Counter	74ALS162B		74ALS162B	74ALS.OLB	74TTL	
Counter	74ALS163B		74ALS163B	74ALS.OLB	74TTL	
Counter	74ALS168B		74ALS168B	74ALS.OLB	74TTL	
Counter	74ALS169B		74ALS169B	74ALS.OLB	74TTL	
Counter	74ALS190		74ALS190	74ALS.OLB	74TTL	
Counter	74ALS191		74ALS191	74ALS.OLB	74TTL	
Counter	74ALS192		74ALS192	74ALS.OLB	74TTL	
Counter	74ALS193		74ALS193	74ALS.OLB	74TTL	
Counter	74ALS560A		74ALS560A	74ALS.OLB	74TTL	
Counter	74ALS561A		74ALS561A	74ALS.OLB	74TTL	
Counter	74ALS568A		74ALS568A	74ALS.OLB	74TTL	
Counter	74ALS569A		74ALS569A	74ALS.OLB	74TTL	
Counter	74AS160		74AS160	74AS.OLB	74TTL	
Counter	74AS161		74AS161	74AS.OLB	74TTL	
Counter	74AS162		74AS162	74AS.OLB	74TTL	
Counter	74AS163		74AS163	74AS.OLB	74TTL	
Counter	74AS168		74AS168	74AS.OLB	74TTL	
Counter	74AS169		74AS169	74AS.OLB	74TTL	
Counter	74F160A		74F160A	74F.OLB	74TTL	
Counter	74F161A		74F161A	74F.OLB	74TTL	
Counter	74F162A		74F162A	74F.OLB	74TTL	
Counter	74F163A		74F163A	74F.OLB	74TTL	
Counter	74F168		74F168	74F.OLB	74TTL	
Counter	74F169		74F169	74F.OLB	74TTL	
Counter	74F190		74F190	74F.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	74F191		74F191	74F.OLB	74TTL	
Counter	74F192		74F192	74F.OLB	74TTL	
Counter	74F193		74F193	74F.OLB	74TTL	
Counter	74F393		74F393	74F.OLB	74TTL	
Counter	74F568		74F568	74F.OLB	74TTL	
Counter	74F569		74F569	74F.OLB	74TTL	
Counter	74HC160		74HC160	74HC.OLB	74TTL	
Counter	74HC161		74HC161	74HC.OLB	74TTL	
Counter	74HC162		74HC162	74HC.OLB	74TTL	
Counter	74HC163		74HC163	74HC.OLB	74TTL	
Counter	74HC190		74HC190	74HC.OLB	74TTL	
Counter	74HC191		74HC191	74HC.OLB	74TTL	
Counter	74HC192		74HC192	74HC.OLB	74TTL	
Counter	74HC193		74HC193	74HC.OLB	74TTL	
Counter	74HC390		74HC390	74HC.OLB	74TTL	
Counter	74HC393		74HC393	74HC.OLB	74TTL	
Counter	74HC4020		74HC4020	74HC.OLB	74TTL	
Counter	74HC4024		74HC4024	74HC.OLB	74TTL	
Counter	74HC4040		74HC4040	74HC.OLB	74TTL	
Counter	74HC490		74HC490	74HC.OLB	74TTL	
Counter	74HC590A		74HC590A	74HC.OLB	74TTL	
Counter	74HC93		74HC93	74HC.OLB	74TTL	
Counter	74HCT192		74HCT192	74HCT.OLB	74TTL	
Counter	74HCT193		74HCT193	74HCT.OLB	74TTL	
Counter	74HCT390		74HCT390	74HCT.OLB	74TTL	
Counter	74HCT393		74HCT393	74HCT.OLB	74TTL	
Counter	74HCT4020		74HCT4020	74HCT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	74HCT4040		74HCT4040	74HCT.OLB	74TTL	
Counter	74HCT93		74HCT93	74HCT.OLB	74TTL	
Counter	74LS160A		74LS160A	74LS.OLB	74TTL	
Counter	74LS161A		74LS161A	74LS.OLB	74TTL	
Counter	74LS162A		74LS162A	74LS.OLB	74TTL	
Counter	74LS163A		74LS163A	74LS.OLB	74TTL	
Counter	74LS169B		74LS169B	74LS.OLB	74TTL	
Counter	74LS190		74LS190	74LS.OLB	74TTL	
Counter	74LS191		74LS191	74LS.OLB	74TTL	
Counter	74LS192		74LS192	74LS.OLB	74TTL	
Counter	74LS193		74LS193	74LS.OLB	74TTL	
Counter	74LS196		74LS196	74LS.OLB	74TTL	
Counter	74LS197		74LS197	74LS.OLB	74TTL	
Counter	74LS290		74LS290	74LS.OLB	74TTL	
Counter	74LS293		74LS293	74LS.OLB	74TTL	
Counter	74LS390		74LS390	74LS.OLB	74TTL	
Counter	74LS393		74LS393	74LS.OLB	74TTL	
Counter	74LS490		74LS490	74LS.OLB	74TTL	
Counter	74LS590		74LS590	74LS.OLB	74TTL	
Counter	74LS591		74LS591	74LS.OLB	74TTL	
Counter	74LS592		74LS592	74LS.OLB	74TTL	
Counter	74LS668		74LS668	74LS.OLB	74TTL	
Counter	74LS669		74LS669	74LS.OLB	74TTL	
Counter	74LS68		74LS68	74LS.OLB	74TTL	
Counter	74LS69		74LS69	74LS.OLB	74TTL	
Counter	74LS690		74LS690	74LS.OLB	74TTL	
Counter	74LS691		74LS691	74LS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Counter	74LS692		74LS692	74LS.OLB	74TTL	
Counter	74LS693		74LS693	74LS.OLB	74TTL	
Counter	74LS696		74LS696	74LS.OLB	74TTL	
Counter	74LS697		74LS697	74LS.OLB	74TTL	
Counter	74LS698		74LS698	74LS.OLB	74TTL	
Counter	74LS699		74LS699	74LS.OLB	74TTL	
Counter	74LS90		74LS90	74LS.OLB	74TTL	
Counter	74LS92		74LS92	74LS.OLB	74TTL	
Counter	74LS93		74LS93	74LS.OLB	74TTL	
Counter	74S162		74S162	74S.OLB	74TTL	
Counter	74S163		74S163	74S.OLB	74TTL	
Counter	74S168		74S168	74S.OLB	74TTL	
Counter	74S169		74S169	74S.OLB	74TTL	
Counter	74S196		74S196	74S.OLB	74TTL	
Counter	74S197		74S197	74S.OLB	74TTL	
Decoder	54L154		54L154	74L.OLB	74TTL	
Decoder	54L42		54L42	74L.OLB	74TTL	
Decoder	54L43		54L43	74L.OLB	74TTL	
Decoder	54L44		54L44	74L.OLB	74TTL	
Decoder	54L46		54L46	74L.OLB	74TTL	
Decoder	54L47		54L47	74L.OLB	74TTL	
Decoder	74141		74141	7400.OLB	74TTL	
Decoder	74145		74145	7400.OLB	74TTL	
Decoder	74154		74154	7400.OLB	74TTL	
Decoder	74155		74155	7400.OLB	74TTL	
Decoder	74156		74156	7400.OLB	74TTL	
Decoder	74159		74159	7400.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Decoder	74246		74246	7400.OLB	74TTL	
Decoder	74247		74247	7400.OLB	74TTL	
Decoder	74248		74248	7400.OLB	74TTL	
Decoder	74249		74249	7400.OLB	74TTL	
Decoder	7442A		7442A	7400.OLB	74TTL	
Decoder	7443A		7443A	7400.OLB	74TTL	
Decoder	7444A		7444A	7400.OLB	74TTL	
Decoder	7445		7445	7400.OLB	74TTL	
Decoder	7446A		7446A	7400.OLB	74TTL	
Decoder	7447A		7447A	7400.OLB	74TTL	
Decoder	7448		7448	7400.OLB	74TTL	
Decoder	7449		7449	7400.OLB	74TTL	
Decoder	74AC138		74AC138	74AC.OLB	74TTL	
Decoder	74AC139		74AC139	74AC.OLB	74TTL	
Decoder	74AC154		74AC154	74AC.OLB	74TTL	
Decoder	74AC238		74AC238	74AC.OLB	74TTL	
Decoder	74AC4514		74AC4514	74AC.OLB	74TTL	
Decoder	74ACT138		74ACT138	74ACT.OLB	74TTL	
Decoder	74ACT139		74ACT139	74ACT.OLB	74TTL	
Decoder	74ACT154		74ACT154	74ACT.OLB	74TTL	
Decoder	74ACT238		74ACT238	74ACT.OLB	74TTL	
Decoder	74ALS137		74ALS137	74ALS.OLB	74TTL	
Decoder	74ALS138		74ALS138	74ALS.OLB	74TTL	
Decoder	74ALS139		74ALS139	74ALS.OLB	74TTL	
Decoder	74ALS156		74ALS156	74ALS.OLB	74TTL	
Decoder	74AS137		74AS137	74AS.OLB	74TTL	
Decoder	74AS138		74AS138	74AS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Decoder	74AS139		74AS139	74AS.OLB	74TTL	
Decoder	74F138		74F138	74F.OLB	74TTL	
Decoder	74F139		74F139	74F.OLB	74TTL	
Decoder	74F154		74F154	74F.OLB	74TTL	
Decoder	74F537		74F537	74F.OLB	74TTL	
Decoder	74F538		74F538	74F.OLB	74TTL	
Decoder	74F539		74F539	74F.OLB	74TTL	
Decoder	74F548		74F548	74F.OLB	74TTL	
Decoder	74HC137		74HC137	74HC.OLB	74TTL	
Decoder	74HC138		74HC138	74HC.OLB	74TTL	
Decoder	74HC139		74HC139	74HC.OLB	74TTL	
Decoder	74HC154		74HC154	74HC.OLB	74TTL	
Decoder	74HC155		74HC155	74HC.OLB	74TTL	
Decoder	74HC237		74HC237	74HC.OLB	74TTL	
Decoder	74HC238		74HC238	74HC.OLB	74TTL	
Decoder	74HC239		74HC239	74HC.OLB	74TTL	
Decoder	74HC42		74HC42	74HC.OLB	74TTL	
Decoder	74HC4514		74HC4514	74HC.OLB	74TTL	
Decoder	74HC4515		74HC4515	74HC.OLB	74TTL	
Decoder	74HCT137		74HCT137	74HCT.OLB	74TTL	
Decoder	74HCT138		74HCT138	74HCT.OLB	74TTL	
Decoder	74HCT139		74HCT139	74HCT.OLB	74TTL	
Decoder	74HCT154		74HCT154	74HCT.OLB	74TTL	
Decoder	74HCT155		74HCT155	74HCT.OLB	74TTL	
Decoder	74HCT237		74HCT237	74HCT.OLB	74TTL	
Decoder	74HCT238		74HCT238	74HCT.OLB	74TTL	
Decoder	74HCT42		74HCT42	74HCT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Decoder	74HCT4514		74HCT4514	74HCT.OLB	74TTL	
Decoder	74HCT4515		74HCT4515	74HCT.OLB	74TTL	
Decoder	74LS137		74LS137	74LS.OLB	74TTL	
Decoder	74LS138		74LS138	74LS.OLB	74TTL	
Decoder	74LS139A		74LS139A	74LS.OLB	74TTL	
Decoder	74LS145		74LS145	74LS.OLB	74TTL	
Decoder	74LS154		74LS154	74LS.OLB	74TTL	
Decoder	74LS155A		74LS155A	74LS.OLB	74TTL	
Decoder	74LS156		74LS156	74LS.OLB	74TTL	
Decoder	74LS247		74LS247	74LS.OLB	74TTL	
Decoder	74LS248		74LS248	74LS.OLB	74TTL	
Decoder	74LS249		74LS249	74LS.OLB	74TTL	
Decoder	74LS347		74LS347	74LS.OLB	74TTL	
Decoder	74LS42		74LS42	74LS.OLB	74TTL	
Decoder	74LS445		74LS445	74LS.OLB	74TTL	
Decoder	74LS447		74LS447	74LS.OLB	74TTL	
Decoder	74LS47		74LS47	74LS.OLB	74TTL	
Decoder	74LS48		74LS48	74LS.OLB	74TTL	
Decoder	74LS49		74LS49	74LS.OLB	74TTL	
Decoder	74S138A		74S138A	74S.OLB	74TTL	
Decoder	74S139A		74S139A	74S.OLB	74TTL	
Delay	74LS31		74LS31	74LS.OLB	74TTL	
Expander	7460		7460	7400.OLB	74TTL	
Expander	74H60		74H60	74H.OLB	74TTL	
Expander	74H61		74H61	74H.OLB	74TTL	
Expander	74H62		74H62	74H.OLB	74TTL	
FLIP-FLOP	54L71		54L71	74L.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	54L72		54L72	74L.OLB	74TTL	
FLIP-FLOP	74104		74104	7400.OLB	74TTL	
FLIP-FLOP	74105		74105	7400.OLB	74TTL	
FLIP-FLOP	74107		74107	7400.OLB	74TTL	
FLIP-FLOP	74109		74109	7400.OLB	74TTL	
FLIP-FLOP	74110		74110	7400.OLB	74TTL	
FLIP-FLOP	74111		74111	7400.OLB	74TTL	
FLIP-FLOP	74174		74174	7400.OLB	74TTL	
FLIP-FLOP	74175		74175	7400.OLB	74TTL	
FLIP-FLOP	74273		74273	7400.OLB	74TTL	
FLIP-FLOP	74276		74276	7400.OLB	74TTL	
FLIP-FLOP	74376		74376	7400.OLB	74TTL	
FLIP-FLOP	7470		7470	7400.OLB	74TTL	
FLIP-FLOP	7472		7472	7400.OLB	74TTL	
FLIP-FLOP	7473		7473	7400.OLB	74TTL	
FLIP-FLOP	7474		7474	7400.OLB	74TTL	
FLIP-FLOP	7476		7476	7400.OLB	74TTL	
FLIP-FLOP	74AC107		74AC107	74AC.OLB	74TTL	
FLIP-FLOP	74AC109		74AC109	74AC.OLB	74TTL	
FLIP-FLOP	74AC112		74AC112	74AC.OLB	74TTL	
FLIP-FLOP	74AC174		74AC174	74AC.OLB	74TTL	
FLIP-FLOP	74AC175		74AC175	74AC.OLB	74TTL	
FLIP-FLOP	74AC273		74AC273	74AC.OLB	74TTL	
FLIP-FLOP	74AC374		74AC374	74AC.OLB	74TTL	
FLIP-FLOP	74AC377		74AC377	74AC.OLB	74TTL	
FLIP-FLOP	74AC534		74AC534	74AC.OLB	74TTL	
FLIP-FLOP	74AC564		74AC564	74AC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	74AC574		74AC574	74AC.OLB	74TTL	
FLIP-FLOP	74AC74		74AC74	74AC.OLB	74TTL	
FLIP-FLOP	74ACT107		74ACT107	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT109		74ACT109	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT112		74ACT112	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT174		74ACT174	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT175		74ACT175	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT273		74ACT273	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT374		74ACT374	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT377		74ACT377	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT534		74ACT534	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT564		74ACT564	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT574		74ACT574	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT74		74ACT74	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT821		74ACT821	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT822		74ACT822	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT823		74ACT823	74ACT.OLB	74TTL	
FLIP-FLOP	74ACT824		74ACT824	74ACT.OLB	74TTL	
FLIP-FLOP	74ALS109A		74ALS109A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS112A		74ALS112A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS174		74ALS174	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS175		74ALS175	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS273		74ALS273	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS29821		74ALS29821	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS29822		74ALS29822	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS29823		74ALS29823	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS29824		74ALS29824	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	74ALS29825		74ALS29825	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS29826		74ALS29826	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS374		74ALS374	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS377		74ALS377	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS534		74ALS534	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS564A		74ALS564A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS574A		74ALS574A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS575A		74ALS575A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS576A		74ALS576A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS577A		74ALS577A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS74A		74ALS74A	74ALS.OLB	74TTL	
FLIP-FLOP	74ALS874B		74ALS874B	74ALS.OLB	74TTL	
FLIP-FLOP	74AS109		74AS109	74AS.OLB	74TTL	
FLIP-FLOP	74AS174		74AS174	74AS.OLB	74TTL	
FLIP-FLOP	74AS175A		74AS175A	74AS.OLB	74TTL	
FLIP-FLOP	74AS374		74AS374	74AS.OLB	74TTL	
FLIP-FLOP	74AS534		74AS534	74AS.OLB	74TTL	
FLIP-FLOP	74AS574		74AS574	74AS.OLB	74TTL	
FLIP-FLOP	74AS575		74AS575	74AS.OLB	74TTL	
FLIP-FLOP	74AS576		74AS576	74AS.OLB	74TTL	
FLIP-FLOP	74AS577		74AS577	74AS.OLB	74TTL	
FLIP-FLOP	74AS74		74AS74	74AS.OLB	74TTL	
FLIP-FLOP	74AS821		74AS821	74AS.OLB	74TTL	
FLIP-FLOP	74AS822		74AS822	74AS.OLB	74TTL	
FLIP-FLOP	74AS823		74AS823	74AS.OLB	74TTL	
FLIP-FLOP	74AS824		74AS824	74AS.OLB	74TTL	
FLIP-FLOP	74AS825		74AS825	74AS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	74AS826		74AS826	74AS.OLB	74TTL	
FLIP-FLOP	74AS874		74AS874	74AS.OLB	74TTL	
FLIP-FLOP	74F109		74F109	74F.OLB	74TTL	
FLIP-FLOP	74F112		74F112	74F.OLB	74TTL	
FLIP-FLOP	74F113		74F113	74F.OLB	74TTL	
FLIP-FLOP	74F114		74F114	74F.OLB	74TTL	
FLIP-FLOP	74F174		74F174	74F.OLB	74TTL	
FLIP-FLOP	74F175		74F175	74F.OLB	74TTL	
FLIP-FLOP	74F273		74F273	74F.OLB	74TTL	
FLIP-FLOP	74F374		74F374	74F.OLB	74TTL	
FLIP-FLOP	74F377		74F377	74F.OLB	74TTL	
FLIP-FLOP	74F378		74F378	74F.OLB	74TTL	
FLIP-FLOP	74F379		74F379	74F.OLB	74TTL	
FLIP-FLOP	74F534		74F534	74F.OLB	74TTL	
FLIP-FLOP	74F74		74F74	74F.OLB	74TTL	
FLIP-FLOP	74H101		74H101	74H.OLB	74TTL	
FLIP-FLOP	74H102		74H102	74H.OLB	74TTL	
FLIP-FLOP	74H103		74H103	74H.OLB	74TTL	
FLIP-FLOP	74H106		74H106	74H.OLB	74TTL	
FLIP-FLOP	74H108		74H108	74H.OLB	74TTL	
FLIP-FLOP	74H71		74H71	74H.OLB	74TTL	
FLIP-FLOP	74H72		74H72	74H.OLB	74TTL	
FLIP-FLOP	74H73		74H73	74H.OLB	74TTL	
FLIP-FLOP	74H74		74H74	74H.OLB	74TTL	
FLIP-FLOP	74H76		74H76	74H.OLB	74TTL	
FLIP-FLOP	74H78		74H78	74H.OLB	74TTL	
FLIP-FLOP	74HC107		74HC107	74HC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	74HC109		74HC109	74HC.OLB	74TTL	
FLIP-FLOP	74HC112		74HC112	74HC.OLB	74TTL	
FLIP-FLOP	74HC113		74HC113	74HC.OLB	74TTL	
FLIP-FLOP	74HC114		74HC114	74HC.OLB	74TTL	
FLIP-FLOP	74HC174		74HC174	74HC.OLB	74TTL	
FLIP-FLOP	74HC175		74HC175	74HC.OLB	74TTL	
FLIP-FLOP	74HC273		74HC273	74HC.OLB	74TTL	
FLIP-FLOP	74HC374		74HC374	74HC.OLB	74TTL	
FLIP-FLOP	74HC377		74HC377	74HC.OLB	74TTL	
FLIP-FLOP	74HC378		74HC378	74HC.OLB	74TTL	
FLIP-FLOP	74HC379		74HC379	74HC.OLB	74TTL	
FLIP-FLOP	74HC534		74HC534	74HC.OLB	74TTL	
FLIP-FLOP	74HC564		74HC564	74HC.OLB	74TTL	
FLIP-FLOP	74HC574		74HC574	74HC.OLB	74TTL	
FLIP-FLOP	74HC73		74HC73	74HC.OLB	74TTL	
FLIP-FLOP	74HC74		74HC74	74HC.OLB	74TTL	
FLIP-FLOP	74HC76		74HC76	74HC.OLB	74TTL	
FLIP-FLOP	74HC78		74HC78	74HC.OLB	74TTL	
FLIP-FLOP	74HCT109		74HCT109	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT112		74HCT112	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT174		74HCT174	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT374		74HCT374	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT377		74HCT377	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT534		74HCT534	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT564		74HCT564	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT574		74HCT574	74HCT.OLB	74TTL	
FLIP-FLOP	74HCT74		74HCT74	74HCT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
FLIP-FLOP	74L74		74L74	74L.OLB	74TTL	
FLIP-FLOP	74LS107A		74LS107A	74LS.OLB	74TTL	
FLIP-FLOP	74LS109A		74LS109A	74LS.OLB	74TTL	
FLIP-FLOP	74LS112A		74LS112A	74LS.OLB	74TTL	
FLIP-FLOP	74LS113A		74LS113A	74LS.OLB	74TTL	
FLIP-FLOP	74LS114A		74LS114A	74LS.OLB	74TTL	
FLIP-FLOP	74LS171		74LS171	74LS.OLB	74TTL	
FLIP-FLOP	74LS174		74LS174	74LS.OLB	74TTL	
FLIP-FLOP	74LS175		74LS175	74LS.OLB	74TTL	
FLIP-FLOP	74LS273		74LS273	74LS.OLB	74TTL	
FLIP-FLOP	74LS374		74LS374	74LS.OLB	74TTL	
FLIP-FLOP	74LS377		74LS377	74LS.OLB	74TTL	
FLIP-FLOP	74LS378		74LS378	74LS.OLB	74TTL	
FLIP-FLOP	74LS379		74LS379	74LS.OLB	74TTL	
FLIP-FLOP	74LS73A		74LS73A	74LS.OLB	74TTL	
FLIP-FLOP	74LS74A		74LS74A	74LS.OLB	74TTL	
FLIP-FLOP	74LS76A		74LS76A	74LS.OLB	74TTL	
FLIP-FLOP	74LS78A		74LS78A	74LS.OLB	74TTL	
FLIP-FLOP	74S109		74S109	74S.OLB	74TTL	
FLIP-FLOP	74S112		74S112	74S.OLB	74TTL	
FLIP-FLOP	74S113		74S113	74S.OLB	74TTL	
FLIP-FLOP	74S114		74S114	74S.OLB	74TTL	
FLIP-FLOP	74S174		74S174	74S.OLB	74TTL	
FLIP-FLOP	74S175		74S175	74S.OLB	74TTL	
FLIP-FLOP	74S374		74S374	74S.OLB	74TTL	
FLIP-FLOP	74S377		74S377	74S.OLB	74TTL	
FLIP-FLOP	74S74		74S74	74S.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Frequency divider	74LS56		74LS56	74LS.OLB	74TTL	
Frequency divider	74LS57		74LS57	74LS.OLB	74TTL	
GATE	54L00		54L00	74L.OLB	74TTL	
GATE	54L02		54L02	74L.OLB	74TTL	
GATE	54L03		54L03	74L.OLB	74TTL	
GATE	54L04		54L04	74L.OLB	74TTL	
GATE	54L10		54L10	74L.OLB	74TTL	
GATE	54L20		54L20	74L.OLB	74TTL	
GATE	54L30		54L30	74L.OLB	74TTL	
GATE	54L86		54L86	74L.OLB	74TTL	
GATE	7400		7400	7400.OLB	74TTL	
GATE	7401		7401	7400.OLB	74TTL	
GATE	7402		7402	7400.OLB	74TTL	
GATE	7403		7403	7400.OLB	74TTL	
GATE	7404		7404	7400.OLB	74TTL	
GATE	7405		7405	7400.OLB	74TTL	
GATE	7406		7406	7400.OLB	74TTL	
GATE	7407		7407	7400.OLB	74TTL	
GATE	7408		7408	7400.OLB	74TTL	
GATE	7409		7409	7400.OLB	74TTL	
GATE	7410		7410	7400.OLB	74TTL	
GATE	7411		7411	7400.OLB	74TTL	
GATE	7412		7412	7400.OLB	74TTL	
GATE	7413		7413	7400.OLB	74TTL	
GATE	74132		74132	7400.OLB	74TTL	
GATE	74136		74136	7400.OLB	74TTL	
GATE	7414		7414	7400.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	7416		7416	7400.OLB	74TTL	
GATE	7417		7417	7400.OLB	74TTL	
GATE	7420		7420	7400.OLB	74TTL	
GATE	7422		7422	7400.OLB	74TTL	
GATE	7423		7423	7400.OLB	74TTL	
GATE	7425		7425	7400.OLB	74TTL	
GATE	7426		7426	7400.OLB	74TTL	
GATE	7427		7427	7400.OLB	74TTL	
GATE	7428		7428	7400.OLB	74TTL	
GATE	7430		7430	7400.OLB	74TTL	
GATE	7432		7432	7400.OLB	74TTL	
GATE	7433		7433	7400.OLB	74TTL	
GATE	7437		7437	7400.OLB	74TTL	
GATE	7438		7438	7400.OLB	74TTL	
GATE	7439		7439	7400.OLB	74TTL	
GATE	7440		7440	7400.OLB	74TTL	
GATE	7450		7450	7400.OLB	74TTL	
GATE	7451		7451	7400.OLB	74TTL	
GATE	7453		7453	7400.OLB	74TTL	
GATE	7454		7454	7400.OLB	74TTL	
GATE	7486		7486	7400.OLB	74TTL	
GATE	74AC00		74AC00	74AC.OLB	74TTL	
GATE	74AC02		74AC02	74AC.OLB	74TTL	
GATE	74AC04		74AC04	74AC.OLB	74TTL	
GATE	74AC05		74AC05	74AC.OLB	74TTL	
GATE	74AC08		74AC08	74AC.OLB	74TTL	
GATE	74AC10		74AC10	74AC.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74AC11		74AC11	74AC.OLB	74TTL	
GATE	74AC14		74AC14	74AC.OLB	74TTL	
GATE	74AC20		74AC20	74AC.OLB	74TTL	
GATE	74AC32		74AC32	74AC.OLB	74TTL	
GATE	74AC86		74AC86	74AC.OLB	74TTL	
GATE	74ACT00		74ACT00	74ACT.OLB	74TTL	
GATE	74ACT02		74ACT02	74ACT.OLB	74TTL	
GATE	74ACT04		74ACT04	74ACT.OLB	74TTL	
GATE	74ACT05		74ACT05	74ACT.OLB	74TTL	
GATE	74ACT08		74ACT08	74ACT.OLB	74TTL	
GATE	74ACT10		74ACT10	74ACT.OLB	74TTL	
GATE	74ACT11		74ACT11	74ACT.OLB	74TTL	
GATE	74ACT14		74ACT14	74ACT.OLB	74TTL	
GATE	74ACT20		74ACT20	74ACT.OLB	74TTL	
GATE	74ACT32		74ACT32	74ACT.OLB	74TTL	
GATE	74ACT86		74ACT86	74ACT.OLB	74TTL	
GATE	74ALS00A		74ALS00A	74ALS.OLB	74TTL	
GATE	74ALS01		74ALS01	74ALS.OLB	74TTL	
GATE	74ALS02		74ALS02	74ALS.OLB	74TTL	
GATE	74ALS03B		74ALS03B	74ALS.OLB	74TTL	
GATE	74ALS04B		74ALS04B	74ALS.OLB	74TTL	
GATE	74ALS05A		74ALS05A	74ALS.OLB	74TTL	
GATE	74ALS08		74ALS08	74ALS.OLB	74TTL	
GATE	74ALS09		74ALS09	74ALS.OLB	74TTL	
GATE	74ALS1000A		74ALS1000A	74ALS.OLB	74TTL	
GATE	74ALS1002A		74ALS1002A	74ALS.OLB	74TTL	
GATE	74ALS1003A		74ALS1003A	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74ALS1004		74ALS1004	74ALS.OLB	74TTL	
GATE	74ALS1005		74ALS1005	74ALS.OLB	74TTL	
GATE	74ALS1008A		74ALS1008A	74ALS.OLB	74TTL	
GATE	74ALS1010A		74ALS1010A	74ALS.OLB	74TTL	
GATE	74ALS1011A		74ALS1011A	74ALS.OLB	74TTL	
GATE	74ALS1020A		74ALS1020A	74ALS.OLB	74TTL	
GATE	74ALS1032A		74ALS1032A	74ALS.OLB	74TTL	
GATE	74ALS1034		74ALS1034	74ALS.OLB	74TTL	
GATE	74ALS1035		74ALS1035	74ALS.OLB	74TTL	
GATE	74ALS10A		74ALS10A	74ALS.OLB	74TTL	
GATE	74ALS11A		74ALS11A	74ALS.OLB	74TTL	
GATE	74ALS12A		74ALS12A	74ALS.OLB	74TTL	
GATE	74ALS133		74ALS133	74ALS.OLB	74TTL	
GATE	74ALS136		74ALS136	74ALS.OLB	74TTL	
GATE	74ALS15A		74ALS15A	74ALS.OLB	74TTL	
GATE	74ALS20A		74ALS20A	74ALS.OLB	74TTL	
GATE	74ALS21A		74ALS21A	74ALS.OLB	74TTL	
GATE	74ALS22B		74ALS22B	74ALS.OLB	74TTL	
GATE	74ALS27		74ALS27	74ALS.OLB	74TTL	
GATE	74ALS28A		74ALS28A	74ALS.OLB	74TTL	
GATE	74ALS30A		74ALS30A	74ALS.OLB	74TTL	
GATE	74ALS32		74ALS32	74ALS.OLB	74TTL	
GATE	74ALS33A		74ALS33A	74ALS.OLB	74TTL	
GATE	74ALS34		74ALS34	74ALS.OLB	74TTL	
GATE	74ALS35A		74ALS35A	74ALS.OLB	74TTL	
GATE	74ALS37A		74ALS37A	74ALS.OLB	74TTL	
GATE	74ALS38A		74ALS38A	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74ALS40A		74ALS40A	74ALS.OLB	74TTL	
GATE	74ALS8003		74ALS8003	74ALS.OLB	74TTL	
GATE	74ALS804A		74ALS804A	74ALS.OLB	74TTL	
GATE	74ALS805A		74ALS805A	74ALS.OLB	74TTL	
GATE	74ALS808A		74ALS808A	74ALS.OLB	74TTL	
GATE	74ALS810		74ALS810	74ALS.OLB	74TTL	
GATE	74ALS811		74ALS811	74ALS.OLB	74TTL	
GATE	74ALS832A		74ALS832A	74ALS.OLB	74TTL	
GATE	74ALS86		74ALS86	74ALS.OLB	74TTL	
GATE	74AS00		74AS00	74AS.OLB	74TTL	
GATE	74AS02		74AS02	74AS.OLB	74TTL	
GATE	74AS04		74AS04	74AS.OLB	74TTL	
GATE	74AS08		74AS08	74AS.OLB	74TTL	
GATE	74AS10		74AS10	74AS.OLB	74TTL	
GATE	74AS1000A		74AS1000A	74AS.OLB	74TTL	
GATE	74AS1004A		74AS1004A	74AS.OLB	74TTL	
GATE	74AS1008A		74AS1008A	74AS.OLB	74TTL	
GATE	74AS1032A		74AS1032A	74AS.OLB	74TTL	
GATE	74AS1034A		74AS1034A	74AS.OLB	74TTL	
GATE	74AS1036A		74AS1036A	74AS.OLB	74TTL	
GATE	74AS11		74AS11	74AS.OLB	74TTL	
GATE	74AS136		74AS136	74AS.OLB	74TTL	
GATE	74AS20		74AS20	74AS.OLB	74TTL	
GATE	74AS21		74AS21	74AS.OLB	74TTL	
GATE	74AS27		74AS27	74AS.OLB	74TTL	
GATE	74AS30		74AS30	74AS.OLB	74TTL	
GATE	74AS32		74AS32	74AS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74AS34		74AS34	74AS.OLB	74TTL	
GATE	74AS804B		74AS804B	74AS.OLB	74TTL	
GATE	74AS805B		74AS805B	74AS.OLB	74TTL	
GATE	74AS808B		74AS808B	74AS.OLB	74TTL	
GATE	74AS810		74AS810	74AS.OLB	74TTL	
GATE	74AS811		74AS811	74AS.OLB	74TTL	
GATE	74AS832B		74AS832B	74AS.OLB	74TTL	
GATE	74AS86		74AS86	74AS.OLB	74TTL	
GATE	74F00		74F00	74F.OLB	74TTL	
GATE	74F02		74F02	74F.OLB	74TTL	
GATE	74F04		74F04	74F.OLB	74TTL	
GATE	74F08		74F08	74F.OLB	74TTL	
GATE	74F10		74F10	74F.OLB	74TTL	
GATE	74F11		74F11	74F.OLB	74TTL	
GATE	74F20		74F20	74F.OLB	74TTL	
GATE	74F21		74F21	74F.OLB	74TTL	
GATE	74F27		74F27	74F.OLB	74TTL	
GATE	74F30		74F30	74F.OLB	74TTL	
GATE	74F32		74F32	74F.OLB	74TTL	
GATE	74F36		74F36	74F.OLB	74TTL	
GATE	74F38		74F38	74F.OLB	74TTL	
GATE	74F64		74F64	74F.OLB	74TTL	
GATE	74F86		74F86	74F.OLB	74TTL	
GATE	74H00		74H00	74H.OLB	74TTL	
GATE	74H01		74H01	74H.OLB	74TTL	
GATE	74H04		74H04	74H.OLB	74TTL	
GATE	74H05		74H05	74H.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74H10		74H10	74H.OLB	74TTL	
GATE	74H11		74H11	74H.OLB	74TTL	
GATE	74H15		74H15	74H.OLB	74TTL	
GATE	74H20		74H20	74H.OLB	74TTL	
GATE	74H21		74H21	74H.OLB	74TTL	
GATE	74H22		74H22	74H.OLB	74TTL	
GATE	74H30		74H30	74H.OLB	74TTL	
GATE	74H40		74H40	74H.OLB	74TTL	
GATE	74H50		74H50	74H.OLB	74TTL	
GATE	74H51		74H51	74H.OLB	74TTL	
GATE	74H52		74H52	74H.OLB	74TTL	
GATE	74H53		74H53	74H.OLB	74TTL	
GATE	74H54		74H54	74H.OLB	74TTL	
GATE	74H55		74H55	74H.OLB	74TTL	
GATE	74HC00		74HC00	74HC.OLB	74TTL	
GATE	74HC01		74HC01	74HC.OLB	74TTL	
GATE	74HC02		74HC02	74HC.OLB	74TTL	
GATE	74HC03		74HC03	74HC.OLB	74TTL	
GATE	74HC04		74HC04	74HC.OLB	74TTL	
GATE	74HC05		74HC05	74HC.OLB	74TTL	
GATE	74HC08		74HC08	74HC.OLB	74TTL	
GATE	74HC09		74HC09	74HC.OLB	74TTL	
GATE	74HC10		74HC10	74HC.OLB	74TTL	
GATE	74HC11		74HC11	74HC.OLB	74TTL	
GATE	74HC132		74HC132	74HC.OLB	74TTL	
GATE	74HC133		74HC133	74HC.OLB	74TTL	
GATE	74HC14		74HC14	74HC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74HC20		74HC20	74HC.OLB	74TTL	
GATE	74HC21		74HC21	74HC.OLB	74TTL	
GATE	74HC266		74HC266	74HC.OLB	74TTL	
GATE	74HC27		74HC27	74HC.OLB	74TTL	
GATE	74HC30		74HC30	74HC.OLB	74TTL	
GATE	74HC32		74HC32	74HC.OLB	74TTL	
GATE	74HC35		74HC35	74HC.OLB	74TTL	
GATE	74HC36		74HC36	74HC.OLB	74TTL	
GATE	74HC386		74HC386	74HC.OLB	74TTL	
GATE	74HC4002		74HC4002	74HC.OLB	74TTL	
GATE	74HC4075		74HC4075	74HC.OLB	74TTL	
GATE	74HC4078A		74HC4078A	74HC.OLB	74TTL	
GATE	74HC51		74HC51	74HC.OLB	74TTL	
GATE	74HC7266		74HC7266	74HC.OLB	74TTL	
GATE	74HC804		74HC804	74HC.OLB	74TTL	
GATE	74HC805		74HC805	74HC.OLB	74TTL	
GATE	74HC808		74HC808	74HC.OLB	74TTL	
GATE	74HC832		74HC832	74HC.OLB	74TTL	
GATE	74HC86		74HC86	74HC.OLB	74TTL	
GATE	74HCT04		74HCT04	74HCT.OLB	74TTL	
GATE	74HCT35		74HCT35	74HCT.OLB	74TTL	
GATE	74HCT4002		74HCT4002	74HCT.OLB	74TTL	
GATE	74L51		74L51	74L.OLB	74TTL	
GATE	74L54		74L54	74L.OLB	74TTL	
GATE	74L55		74L55	74L.OLB	74TTL	
GATE	74L86		74L86	74L.OLB	74TTL	
GATE	74LS00		74LS00	74LS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74LS01		74LS01	74LS.OLB	74TTL	
GATE	74LS02		74LS02	74LS.OLB	74TTL	
GATE	74LS03		74LS03	74LS.OLB	74TTL	
GATE	74LS04		74LS04	74LS.OLB	74TTL	
GATE	74LS05		74LS05	74LS.OLB	74TTL	
GATE	74LS08		74LS08	74LS.OLB	74TTL	
GATE	74LS09		74LS09	74LS.OLB	74TTL	
GATE	74LS10		74LS10	74LS.OLB	74TTL	
GATE	74LS11		74LS11	74LS.OLB	74TTL	
GATE	74LS12		74LS12	74LS.OLB	74TTL	
GATE	74LS13		74LS13	74LS.OLB	74TTL	
GATE	74LS132		74LS132	74LS.OLB	74TTL	
GATE	74LS136		74LS136	74LS.OLB	74TTL	
GATE	74LS14		74LS14	74LS.OLB	74TTL	
GATE	74LS15		74LS15	74LS.OLB	74TTL	
GATE	74LS18		74LS18	74LS.OLB	74TTL	
GATE	74LS19		74LS19	74LS.OLB	74TTL	
GATE	74LS20		74LS20	74LS.OLB	74TTL	
GATE	74LS21		74LS21	74LS.OLB	74TTL	
GATE	74LS22		74LS22	74LS.OLB	74TTL	
GATE	74LS24		74LS24	74LS.OLB	74TTL	
GATE	74LS26		74LS26	74LS.OLB	74TTL	
GATE	74LS266		74LS266	74LS.OLB	74TTL	
GATE	74LS27		74LS27	74LS.OLB	74TTL	
GATE	74LS28		74LS28	74LS.OLB	74TTL	
GATE	74LS30		74LS30	74LS.OLB	74TTL	
GATE	74LS32		74LS32	74LS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74LS33		74LS33	74LS.OLB	74TTL	
GATE	74LS37		74LS37	74LS.OLB	74TTL	
GATE	74LS38		74LS38	74LS.OLB	74TTL	
GATE	74LS386A		74LS386A	74LS.OLB	74TTL	
GATE	74LS40		74LS40	74LS.OLB	74TTL	
GATE	74LS51		74LS51	74LS.OLB	74TTL	
GATE	74LS54		74LS54	74LS.OLB	74TTL	
GATE	74LS55		74LS55	74LS.OLB	74TTL	
GATE	74LS86A		74LS86A	74LS.OLB	74TTL	
GATE	74S00		74S00	74S.OLB	74TTL	
GATE	74S02		74S02	74S.OLB	74TTL	
GATE	74S03		74S03	74S.OLB	74TTL	
GATE	74S04		74S04	74S.OLB	74TTL	
GATE	74S05		74S05	74S.OLB	74TTL	
GATE	74S08		74S08	74S.OLB	74TTL	
GATE	74S09		74S09	74S.OLB	74TTL	
GATE	74S10		74S10	74S.OLB	74TTL	
GATE	74S11		74S11	74S.OLB	74TTL	
GATE	74S132		74S132	74S.OLB	74TTL	
GATE	74S133		74S133	74S.OLB	74TTL	
GATE	74S134		74S134	74S.OLB	74TTL	
GATE	74S135		74S135	74S.OLB	74TTL	
GATE	74S15		74S15	74S.OLB	74TTL	
GATE	74S20		74S20	74S.OLB	74TTL	
GATE	74S22		74S22	74S.OLB	74TTL	
GATE	74S260		74S260	74S.OLB	74TTL	
GATE	74S30		74S30	74S.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
GATE	74S32		74S32	74S.OLB	74TTL	
GATE	74S37		74S37	74S.OLB	74TTL	
GATE	74S38		74S38	74S.OLB	74TTL	
GATE	74S40		74S40	74S.OLB	74TTL	
GATE	74S51		74S51	74S.OLB	74TTL	
GATE	74S64		74S64	74S.OLB	74TTL	
GATE	74S65		74S65	74S.OLB	74TTL	
GATE	74S86		74S86	74S.OLB	74TTL	
Identity Comparator	74AC520		74AC520	74AC.OLB	74TTL	
Identity Comparator	74AC521		74AC521	74AC.OLB	74TTL	
Identity Comparator	74ACT520		74ACT520	74ACT.OLB	74TTL	
Identity Comparator	74ACT521		74ACT521	74ACT.OLB	74TTL	
Identity Comparator	74ALS518		74ALS518	74ALS.OLB	74TTL	
Identity Comparator	74ALS519		74ALS519	74ALS.OLB	74TTL	
Identity Comparator	74ALS520		74ALS520	74ALS.OLB	74TTL	
Identity Comparator	74ALS521		74ALS521	74ALS.OLB	74TTL	
Identity Comparator	74ALS522		74ALS522	74ALS.OLB	74TTL	
Identity Comparator	74ALS688		74ALS688	74ALS.OLB	74TTL	
Identity Comparator	74ALS689		74ALS689	74ALS.OLB	74TTL	
Identity Comparator	74F518		74F518	74F.OLB	74TTL	
Identity Comparator	74F519		74F519	74F.OLB	74TTL	
Identity Comparator	74F520		74F520	74F.OLB	74TTL	
Identity Comparator	74F521		74F521	74F.OLB	74TTL	
Identity Comparator	74HC688		74HC688	74HC.OLB	74TTL	
Identity Comparator	74LS688		74LS688	74LS.OLB	74TTL	
Identity Comparator	74LS689		74LS689	74LS.OLB	74TTL	
Latch	74100		74100	7400.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Latch	74116		74116	7400.OLB	74TTL	
Latch	74259		74259	7400.OLB	74TTL	
Latch	74279		74279	7400.OLB	74TTL	
Latch	7475		7475	7400.OLB	74TTL	
Latch	7477		7477	7400.OLB	74TTL	
Latch	74AC373		74AC373	74AC.OLB	74TTL	
Latch	74AC533		74AC533	74AC.OLB	74TTL	
Latch	74AC563		74AC563	74AC.OLB	74TTL	
Latch	74AC573		74AC573	74AC.OLB	74TTL	
Latch	74AC843		74AC843	74AC.OLB	74TTL	
Latch	74ACT373		74ACT373	74ACT.OLB	74TTL	
Latch	74ACT533		74ACT533	74ACT.OLB	74TTL	
Latch	74ACT563		74ACT563	74ACT.OLB	74TTL	
Latch	74ACT573		74ACT573	74ACT.OLB	74TTL	
Latch	74ACT841		74ACT841	74ACT.OLB	74TTL	
Latch	74ACT842		74ACT842	74ACT.OLB	74TTL	
Latch	74ACT843		74ACT843	74ACT.OLB	74TTL	
Latch	74ACT844		74ACT844	74ACT.OLB	74TTL	
Latch	74ACT845		74ACT845	74ACT.OLB	74TTL	
Latch	74ALS259		74ALS259	74ALS.OLB	74TTL	
Latch	74ALS373		74ALS373	74ALS.OLB	74TTL	
Latch	74ALS533		74ALS533	74ALS.OLB	74TTL	
Latch	74ALS563A		74ALS563A	74ALS.OLB	74TTL	
Latch	74ALS573B		74ALS573B	74ALS.OLB	74TTL	
Latch	74ALS580A		74ALS580A	74ALS.OLB	74TTL	
Latch	74ALS666		74ALS666	74ALS.OLB	74TTL	
Latch	74ALS667		74ALS667	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Latch	74ALS841		74ALS841	74ALS.OLB	74TTL	
Latch	74ALS842		74ALS842	74ALS.OLB	74TTL	
Latch	74ALS843		74ALS843	74ALS.OLB	74TTL	
Latch	74ALS844		74ALS844	74ALS.OLB	74TTL	
Latch	74ALS845		74ALS845	74ALS.OLB	74TTL	
Latch	74ALS846		74ALS846	74ALS.OLB	74TTL	
Latch	74ALS990		74ALS990	74ALS.OLB	74TTL	
Latch	74ALS991		74ALS991	74ALS.OLB	74TTL	
Latch	74ALS992		74ALS992	74ALS.OLB	74TTL	
Latch	74ALS993		74ALS993	74ALS.OLB	74TTL	
Latch	74ALS994		74ALS994	74ALS.OLB	74TTL	
Latch	74ALS995		74ALS995	74ALS.OLB	74TTL	
Latch	74AS373		74AS373	74AS.OLB	74TTL	
Latch	74AS533		74AS533	74AS.OLB	74TTL	
Latch	74AS573		74AS573	74AS.OLB	74TTL	
Latch	74AS580		74AS580	74AS.OLB	74TTL	
Latch	74AS841		74AS841	74AS.OLB	74TTL	
Latch	74AS842		74AS842	74AS.OLB	74TTL	
Latch	74AS843		74AS843	74AS.OLB	74TTL	
Latch	74AS844		74AS844	74AS.OLB	74TTL	
Latch	74AS845		74AS845	74AS.OLB	74TTL	
Latch	74AS846		74AS846	74AS.OLB	74TTL	
Latch	74F259		74F259	74F.OLB	74TTL	
Latch	74F373		74F373	74F.OLB	74TTL	
Latch	74F533		74F533	74F.OLB	74TTL	
Latch	74F563		74F563	74F.OLB	74TTL	
Latch	74F573		74F573	74F.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Latch	74HC259		74HC259	74HC.OLB	74TTL	
Latch	74HC279		74HC279	74HC.OLB	74TTL	
Latch	74HC373		74HC373	74HC.OLB	74TTL	
Latch	74HC375		74HC375	74HC.OLB	74TTL	
Latch	74HC4724		74HC4724	74HC.OLB	74TTL	
Latch	74HC533		74HC533	74HC.OLB	74TTL	
Latch	74HC563		74HC563	74HC.OLB	74TTL	
Latch	74HC573		74HC573	74HC.OLB	74TTL	
Latch	74HC604		74HC604	74HC.OLB	74TTL	
Latch	74HC75		74HC75	74HC.OLB	74TTL	
Latch	74HCT259		74HCT259	74HCT.OLB	74TTL	
Latch	74HCT373		74HCT373	74HCT.OLB	74TTL	
Latch	74HCT533		74HCT533	74HCT.OLB	74TTL	
Latch	74HCT563		74HCT563	74HCT.OLB	74TTL	
Latch	74HCT573		74HCT573	74HCT.OLB	74TTL	
Latch	74L75		74L75	74L.OLB	74TTL	
Latch	74L77		74L77	74L.OLB	74TTL	
Latch	74LS259B		74LS259B	74LS.OLB	74TTL	
Latch	74LS279A		74LS279A	74LS.OLB	74TTL	
Latch	74LS373		74LS373	74LS.OLB	74TTL	
Latch	74LS375		74LS375	74LS.OLB	74TTL	
Latch	74LS604		74LS604	74LS.OLB	74TTL	
Latch	74LS605		74LS605	74LS.OLB	74TTL	
Latch	74LS606		74LS606	74LS.OLB	74TTL	
Latch	74LS607		74LS607	74LS.OLB	74TTL	
Latch	74LS75		74LS75	74LS.OLB	74TTL	
Latch	74LS77		74LS77	74LS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Latch	74S268		74S268	74S.OLB	74TTL	
Latch	74S373		74S373	74S.OLB	74TTL	
Latch	74S412		74S412	74S.OLB	74TTL	
Look-Ahead Carry Generator	74182		74182	7400.OLB	74TTL	
Look-Ahead Carry Generator	74AC182		74AC182	74AC.OLB	74TTL	
Look-Ahead Carry Generator	74ACT182		74ACT182	74ACT.OLB	74TTL	
Look-Ahead Carry Generator	74AS182		74AS182	74AS.OLB	74TTL	
Look-Ahead Carry Generator	74AS264		74AS264	74AS.OLB	74TTL	
Look-Ahead Carry Generator	74AS282		74AS282	74AS.OLB	74TTL	
Look-Ahead Carry Generator	74AS882A		74AS882A	74AS.OLB	74TTL	
Look-Ahead Carry Generator	74F182		74F182	74F.OLB	74TTL	
Look-Ahead Carry Generator	74F882		74F882	74F.OLB	74TTL	
Look-Ahead Carry Generator	74HC182		74HC182	74HC.OLB	74TTL	
Look-Ahead Carry Generator	74HCT182		74HCT182	74HCT.OLB	74TTL	
Look-Ahead Carry Generator	74S182		74S182	74S.OLB	74TTL	
Line Driver	54S140		54S140	74S.OLB	74TTL	
Line Driver	74128		74128	7400.OLB	74TTL	
Line Driver	74AC240		74AC240	74AC.OLB	74TTL	
Line Driver	74AC241		74AC241	74AC.OLB	74TTL	
Line Driver	74AC244		74AC244	74AC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Line Driver	74AC540		74AC540	74AC.OLB	74TTL	
Line Driver	74AC541		74AC541	74AC.OLB	74TTL	
Line Driver	74ACT240		74ACT240	74ACT.OLB	74TTL	
Line Driver	74ACT241		74ACT241	74ACT.OLB	74TTL	
Line Driver	74ACT244		74ACT244	74ACT.OLB	74TTL	
Line Driver	74ACT540		74ACT540	74ACT.OLB	74TTL	
Line Driver	74ACT541		74ACT541	74ACT.OLB	74TTL	
Line Driver	74ALS230		74ALS230	74ALS.OLB	74TTL	
Line Driver	74ALS231		74ALS231	74ALS.OLB	74TTL	
Line Driver	74ALS240A		74ALS240A	74ALS.OLB	74TTL	
Line Driver	74ALS241A		74ALS241A	74ALS.OLB	74TTL	
Line Driver	74ALS244A		74ALS244A	74ALS.OLB	74TTL	
Line Driver	74ALS2540		74ALS2540	74ALS.OLB	74TTL	
Line Driver	74ALS540		74ALS540	74ALS.OLB	74TTL	
Line Driver	74ALS541		74ALS541	74ALS.OLB	74TTL	
Line Driver	74ALS746		74ALS746	74ALS.OLB	74TTL	
Line Driver	74ALS747		74ALS747	74ALS.OLB	74TTL	
Line Driver	74ALS756		74ALS756	74ALS.OLB	74TTL	
Line Driver	74ALS760		74ALS760	74ALS.OLB	74TTL	
Line Driver	74ALS762		74ALS762	74ALS.OLB	74TTL	
Line Driver	74ALS763		74ALS763	74ALS.OLB	74TTL	
Line Driver	74AS230		74AS230	74AS.OLB	74TTL	
Line Driver	74AS231		74AS231	74AS.OLB	74TTL	
Line Driver	74AS240		74AS240	74AS.OLB	74TTL	
Line Driver	74AS241		74AS241	74AS.OLB	74TTL	
Line Driver	74AS244		74AS244	74AS.OLB	74TTL	
Line Driver	74AS756		74AS756	74AS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Line Driver	74AS757		74AS757	74AS.OLB	74TTL	
Line Driver	74AS760		74AS760	74AS.OLB	74TTL	
Line Driver	74AS762		74AS762	74AS.OLB	74TTL	
Line Driver	74AS763		74AS763	74AS.OLB	74TTL	
Line Driver	74F240		74F240	74F.OLB	74TTL	
Line Driver	74F241		74F241	74F.OLB	74TTL	
Line Driver	74F244		74F244	74F.OLB	74TTL	
Line Driver	74HC240		74HC240	74HC.OLB	74TTL	
Line Driver	74HC241		74HC241	74HC.OLB	74TTL	
Line Driver	74HC244		74HC244	74HC.OLB	74TTL	
Line Driver	74HC540		74HC540	74HC.OLB	74TTL	
Line Driver	74HC541		74HC541	74HC.OLB	74TTL	
Line Driver	74HCT240		74HCT240	74HCT.OLB	74TTL	
Line Driver	74HCT241		74HCT241	74HCT.OLB	74TTL	
Line Driver	74HCT244		74HCT244	74HCT.OLB	74TTL	
Line Driver	74HCT540		74HCT540	74HCT.OLB	74TTL	
Line Driver	74HCT541		74HCT541	74HCT.OLB	74TTL	
Line Driver	74LS240		74LS240	74LS.OLB	74TTL	
Line Driver	74LS241		74LS241	74LS.OLB	74TTL	
Line Driver	74LS244		74LS244	74LS.OLB	74TTL	
Line Driver	74LS540		74LS540	74LS.OLB	74TTL	
Line Driver	74LS541		74LS541	74LS.OLB	74TTL	
Line Driver	74S140		74S140	74S.OLB	74TTL	
Line Driver	74S240		74S240	74S.OLB	74TTL	
Line Driver	74S241		74S241	74S.OLB	74TTL	
Line Driver	74S244		74S244	74S.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Magnitude Comparator	54L85		54L85	74L.OLB	74TTL	
Magnitude Comparator	7485		7485	7400.OLB	74TTL	
Magnitude Comparator	74HC684		74HC684	74HC.OLB	74TTL	
Magnitude Comparator	74HC85A		74HC85A	74HC.OLB	74TTL	
Magnitude Comparator	74LS684		74LS684	74LS.OLB	74TTL	
Magnitude Comparator	74LS685		74LS685	74LS.OLB	74TTL	
Magnitude Comparator	74LS686		74LS686	74LS.OLB	74TTL	
Magnitude Comparator	74LS687		74LS687	74LS.OLB	74TTL	
Magnitude Comparator	74LS85		74LS85	74LS.OLB	74TTL	
Magnitude Comparator	74S85		74S85	74S.OLB	74TTL	
Multifunction	74HC7074		74HC7074	74HC.OLB	74TTL	
Multifunction	74HC7075		74HC7075	74HC.OLB	74TTL	
Multifunction	74HC7076		74HC7076	74HC.OLB	74TTL	
Multiplier (Digital)	74LS261		74LS261	74LS.OLB	74TTL	
Monostable Multivibrator	54L121		54L121	1_SHOT.OLB	74TTL	
Monostable Multivibrator	54L122		54L122	1_SHOT.OLB	74TTL	
Monostable Multivibrator	54L123		54L123	1_SHOT.OLB	74TTL	
Monostable Multivibrator	74121		74121	1_SHOT.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Monostable Multivibrator	74122		74122	1_SHOT.OLB	74TTL	
Monostable Multivibrator	74123		74123	1_SHOT.OLB	74TTL	
Monostable Multivibrator	74LS122		74LS122	1_SHOT.OLB	74TTL	
Monostable Multivibrator	74LS123		74LS123	74LS.OLB	74TTL	
Multiplexer (Digital)	54L153		54L153	74L.OLB	74TTL	
Multiplexer (Digital)	54LS152		54LS152	74LS.OLB	74TTL	
Multiplexer (Digital)	74150		74150	7400.OLB	74TTL	
Multiplexer (Digital)	74151A		74151A	7400.OLB	74TTL	
Multiplexer (Digital)	74153		74153	7400.OLB	74TTL	
Multiplexer (Digital)	74157		74157	7400.OLB	74TTL	
Multiplexer (Digital)	74251		74251	7400.OLB	74TTL	
Multiplexer (Digital)	74298		74298	7400.OLB	74TTL	
Multiplexer (Digital)	74351		74351	7400.OLB	74TTL	
Multiplexer (Digital)	74AC151		74AC151	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC153		74AC153	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC157		74AC157	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC251		74AC251	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC253		74AC253	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC257		74AC257	74AC.OLB	74TTL	
Multiplexer (Digital)	74AC258		74AC258	74AC.OLB	74TTL	
Multiplexer (Digital)	74ACT151		74ACT151	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ACT153		74ACT153	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ACT157		74ACT157	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ACT251		74ACT251	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ACT253		74ACT253	74ACT.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Multiplexer (Digital)	74ACT257		74ACT257	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ACT258		74ACT258	74ACT.OLB	74TTL	
Multiplexer (Digital)	74ALS151		74ALS151	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS153		74ALS153	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS157		74ALS157	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS158		74ALS158	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS251		74ALS251	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS253		74ALS253	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS257		74ALS257	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS258		74ALS258	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS352		74ALS352	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS353		74ALS353	74ALS.OLB	74TTL	
Multiplexer (Digital)	74ALS857		74ALS857	74ALS.OLB	74TTL	
Multiplexer (Digital)	74AS151		74AS151	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS153		74AS153	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS157		74AS157	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS158		74AS158	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS250		74AS250	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS251		74AS251	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS253		74AS253	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS257		74AS257	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS258		74AS258	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS298		74AS298	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS352		74AS352	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS353A		74AS353A	74AS.OLB	74TTL	
Multiplexer (Digital)	74AS857		74AS857	74AS.OLB	74TTL	
Multiplexer (Digital)	74F151		74F151	74F.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Multiplexer (Digital)	74F151A		74F151A	74F.OLB	74TTL	
Multiplexer (Digital)	74F153		74F153	74F.OLB	74TTL	
Multiplexer (Digital)	74F157		74F157	74F.OLB	74TTL	
Multiplexer (Digital)	74F157A		74F157A	74F.OLB	74TTL	
Multiplexer (Digital)	74F158		74F158	74F.OLB	74TTL	
Multiplexer (Digital)	74F158A		74F158A	74F.OLB	74TTL	
Multiplexer (Digital)	74F251		74F251	74F.OLB	74TTL	
Multiplexer (Digital)	74F251A		74F251A	74F.OLB	74TTL	
Multiplexer (Digital)	74F253		74F253	74F.OLB	74TTL	
Multiplexer (Digital)	74F257		74F257	74F.OLB	74TTL	
Multiplexer (Digital)	74F257A		74F257A	74F.OLB	74TTL	
Multiplexer (Digital)	74F258		74F258	74F.OLB	74TTL	
Multiplexer (Digital)	74F258A		74F258A	74F.OLB	74TTL	
Multiplexer (Digital)	74F298		74F298	74F.OLB	74TTL	
Multiplexer (Digital)	74F352		74F352	74F.OLB	74TTL	
Multiplexer (Digital)	74F353		74F353	74F.OLB	74TTL	
Multiplexer (Digital)	74F398		74F398	74F.OLB	74TTL	
Multiplexer (Digital)	74F399		74F399	74F.OLB	74TTL	
Multiplexer (Digital)	74F547		74F547	74F.OLB	74TTL	
Multiplexer (Digital)	74HC151		74HC151	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC152		74HC152	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC153		74HC153	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC157		74HC157	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC158		74HC158	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC251		74HC251	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC253		74HC253	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC257		74HC257	74HC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Multiplexer (Digital)	74HC258		74HC258	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC298		74HC298	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC352		74HC352	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC353		74HC353	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC354		74HC354	74HC.OLB	74TTL	
Multiplexer (Digital)	74HC356		74HC356	74HC.OLB	74TTL	
Multiplexer (Digital)	74HCT151		74HCT151	74HCT.OLB	74TTL	
Multiplexer (Digital)	74HCT251		74HCT251	74HCT.OLB	74TTL	
Multiplexer (Digital)	74HCT298		74HCT298	74HCT.OLB	74TTL	
Multiplexer (Digital)	74LS151		74LS151	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS153		74LS153	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS157		74LS157	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS158		74LS158	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS251		74LS251	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS253		74LS253	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS257B		74LS257B	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS258B		74LS258B	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS298		74LS298	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS352		74LS352	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS353		74LS353	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS354		74LS354	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS355		74LS355	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS356		74LS356	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS357		74LS357	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS398		74LS398	74LS.OLB	74TTL	
Multiplexer (Digital)	74LS399		74LS399	74LS.OLB	74TTL	
Multiplexer (Digital)	74S151		74S151	74S.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Multiplexer (Digital)	74S153		74S153	74S.OLB	74TTL	
Multiplexer (Digital)	74S157		74S157	74S.OLB	74TTL	
Multiplexer (Digital)	74S158		74S158	74S.OLB	74TTL	
Multiplexer (Digital)	74S251		74S251	74S.OLB	74TTL	
Multiplexer (Digital)	74S253		74S253	74S.OLB	74TTL	
Multiplexer (Digital)	74S257		74S257	74S.OLB	74TTL	
Multiplexer (Digital)	74S258		74S258	74S.OLB	74TTL	
Parity Generator	74180		74180	7400.OLB	74TTL	
Parity Generator	74AC280		74AC280	74AC.OLB	74TTL	
Parity Generator	74ACT280		74ACT280	74ACT.OLB	74TTL	
Parity Generator	74ALS280		74ALS280	74ALS.OLB	74TTL	
Parity Generator	74AS280		74AS280	74AS.OLB	74TTL	
Parity Generator	74AS286		74AS286	74AS.OLB	74TTL	
Parity Generator	74F280A		74F280A	74F.OLB	74TTL	
Parity Generator	74F280B		74F280B	74F.OLB	74TTL	
Parity Generator	74F286		74F286	74F.OLB	74TTL	
Parity Generator	74HC180		74HC180	74HC.OLB	74TTL	
Parity Generator	74HC280		74HC280	74HC.OLB	74TTL	
Parity Generator	74HCT280		74HCT280	74HCT.OLB	74TTL	
Parity Generator	74LS280		74LS280	74LS.OLB	74TTL	
Parity Generator	74S280		74S280	74S.OLB	74TTL	
Priority Encoder	74147		74147	7400.OLB	74TTL	
Priority Encoder	74148		74148	7400.OLB	74TTL	
Priority Encoder	74278		74278	7400.OLB	74TTL	
Priority Encoder	74F148		74F148	74F.OLB	74TTL	
Priority Encoder	74HC147		74HC147	74HC.OLB	74TTL	
Priority Encoder	74HC148		74HC148	74HC.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Priority Encoder	74HCT147		74HCT147	74HCT.OLB	74TTL	
Priority Encoder	74HCT148		74HCT148	74HCT.OLB	74TTL	
Priority Encoder	74LS147		74LS147	74LS.OLB	74TTL	
Priority Encoder	74LS148		74LS148	74LS.OLB	74TTL	
Priority Encoder	74LS348		74LS348	74LS.OLB	74TTL	
PROM	74S288		74S288	74S.OLB	74TTL	
PROM	74S571		74S571	74S.OLB	74TTL	
Pulse Synchronizer	74120		74120	7400.OLB	74TTL	
Register	54L98		54L98	74L.OLB	74TTL	
Register	74170		74170	7400.OLB	74TTL	
Register	74172		74172	7400.OLB	74TTL	
Register	74173		74173	7400.OLB	74TTL	
Register	74AC670		74AC670	74AC.OLB	74TTL	
Register	74ACT670		74ACT670	74ACT.OLB	74TTL	
Register	74F173		74F173	74F.OLB	74TTL	
Register	74F670		74F670	74F.OLB	74TTL	
Register	74HC173		74HC173	74HC.OLB	74TTL	
Register	74HC670		74HC670	74HC.OLB	74TTL	
Register	74HCT173		74HCT173	74HCT.OLB	74TTL	
Register	74HCT670		74HCT670	74HCT.OLB	74TTL	
Register	74LS170		74LS170	74LS.OLB	74TTL	
Register	74LS173A		74LS173A	74LS.OLB	74TTL	
Register	74LS670		74LS670	74LS.OLB	74TTL	
Register	74S172		74S172	74S.OLB	74TTL	
Rate Multiplier	74167		74167	7400.OLB	74TTL	
Rate Multiplier	7497		7497	7400.OLB	74TTL	
Shift Register	54L95		54L95	74L.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Shift Register	54L99		54L99	74L.OLB	74TTL	
Shift Register	74164		74164	7400.OLB	74TTL	
Shift Register	74165		74165	7400.OLB	74TTL	
Shift Register	74166		74166	7400.OLB	74TTL	
Shift Register	74178		74178	7400.OLB	74TTL	
Shift Register	74179		74179	7400.OLB	74TTL	
Shift Register	74194		74194	7400.OLB	74TTL	
Shift Register	74195		74195	7400.OLB	74TTL	
Shift Register	74198		74198	7400.OLB	74TTL	
Shift Register	74199		74199	7400.OLB	74TTL	
Shift Register	7491A		7491A	7400.OLB	74TTL	
Shift Register	7494		7494	7400.OLB	74TTL	
Shift Register	7495A		7495A	7400.OLB	74TTL	
Shift Register	7496		7496	7400.OLB	74TTL	
Shift Register	74AC164		74AC164	74AC.OLB	74TTL	
Shift Register	74AC166		74AC166	74AC.OLB	74TTL	
Shift Register	74AC194		74AC194	74AC.OLB	74TTL	
Shift Register	74AC299		74AC299	74AC.OLB	74TTL	
Shift Register	74AC323		74AC323	74AC.OLB	74TTL	
Shift Register	74ACT164		74ACT164	74ACT.OLB	74TTL	
Shift Register	74ACT166		74ACT166	74ACT.OLB	74TTL	
Shift Register	74ACT194		74ACT194	74ACT.OLB	74TTL	
Shift Register	74ACT299		74ACT299	74ACT.OLB	74TTL	
Shift Register	74ACT323		74ACT323	74ACT.OLB	74TTL	
Shift Register	74ALS164		74ALS164	74ALS.OLB	74TTL	
Shift Register	74ALS165		74ALS165	74ALS.OLB	74TTL	
Shift Register	74ALS166		74ALS166	74ALS.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Shift Register	74ALS299		74ALS299	74ALS.OLB	74TTL	
Shift Register	74ALS323		74ALS323	74ALS.OLB	74TTL	
Shift Register	74AS194		74AS194	74AS.OLB	74TTL	
Shift Register	74AS195		74AS195	74AS.OLB	74TTL	
Shift Register	74AS95		74AS95	74AS.OLB	74TTL	
Shift Register	74F164		74F164	74F.OLB	74TTL	
Shift Register	74F166		74F166	74F.OLB	74TTL	
Shift Register	74F194		74F194	74F.OLB	74TTL	
Shift Register	74F350		74F350	74F.OLB	74TTL	
Shift Register	74HC164		74HC164	74HC.OLB	74TTL	
Shift Register	74HC165		74HC165	74HC.OLB	74TTL	
Shift Register	74HC166		74HC166	74HC.OLB	74TTL	
Shift Register	74HC194		74HC194	74HC.OLB	74TTL	
Shift Register	74HC195		74HC195	74HC.OLB	74TTL	
Shift Register	74HC299		74HC299	74HC.OLB	74TTL	
Shift Register	74HC594		74HC594	74HC.OLB	74TTL	
Shift Register	74HC595		74HC595	74HC.OLB	74TTL	
Shift Register	74HC95		74HC95	74HC.OLB	74TTL	
Shift Register	74HCT164		74HCT164	74HCT.OLB	74TTL	
Shift Register	74HCT165		74HCT165	74HCT.OLB	74TTL	
Shift Register	74HCT166		74HCT166	74HCT.OLB	74TTL	
Shift Register	74HCT194		74HCT194	74HCT.OLB	74TTL	
Shift Register	74L165A		74L165A	74L.OLB	74TTL	
Shift Register	74L91		74L91	74L.OLB	74TTL	
Shift Register	74LS164		74LS164	74LS.OLB	74TTL	
Shift Register	74LS165A		74LS165A	74LS.OLB	74TTL	
Shift Register	74LS166A		74LS166A	74LS.OLB	74TTL	



Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Shift Register	74LS194A		74LS194A	74LS.OLB	74TTL	
Shift Register	74LS195A		74LS195A	74LS.OLB	74TTL	
Shift Register	74LS295B		74LS295B	74LS.OLB	74TTL	
Shift Register	74LS299		74LS299	74LS.OLB	74TTL	
Shift Register	74LS322A		74LS322A	74LS.OLB	74TTL	
Shift Register	74LS323		74LS323	74LS.OLB	74TTL	
Shift Register	74LS395A		74LS395A	74LS.OLB	74TTL	
Shift Register	74LS589		74LS589	74LS.OLB	74TTL	
Shift Register	74LS594		74LS594	74LS.OLB	74TTL	
Shift Register	74LS595		74LS595	74LS.OLB	74TTL	
Shift Register	74LS596		74LS596	74LS.OLB	74TTL	
Shift Register	74LS597		74LS597	74LS.OLB	74TTL	
Shift Register	74LS598		74LS598	74LS.OLB	74TTL	
Shift Register	74LS599		74LS599	74LS.OLB	74TTL	
Shift Register	74LS671		74LS671	74LS.OLB	74TTL	
Shift Register	74LS672		74LS672	74LS.OLB	74TTL	
Shift Register	74LS91		74LS91	74LS.OLB	74TTL	
Shift Register	74LS95B		74LS95B	74LS.OLB	74TTL	
Shift Register	74LS96		74LS96	74LS.OLB	74TTL	
Shift Register	74S194		74S194	74S.OLB	74TTL	
Shift Register	74S195		74S195	74S.OLB	74TTL	
Shift Register	74S299		74S299	74S.OLB	74TTL	
Shift Register	74S350		74S350	74S.OLB	74TTL	
Store Register	74LS396		74LS396	74LS.OLB	74TTL	
Tranceiver	74F543		74F543	74F.OLB	74TTL	
Tranceiver	74F544		74F544	74F.OLB	74TTL	
Tranceiver	74F545		74F545	74F.OLB	74TTL	

Device Type	Generic Name	Mfg. Name	Symbol Name	Library	Tech Type	New for 9.0
Tranceiver	74F550		74F550	74F.OLB	74TTL	
Tranceiver	74F551		74F551	74F.OLB	74TTL	
True/Complement	74H87		74H87	74H.OLB	74TTL	

---