

MC74HC and MC74HCT: High Speed and High Speed-TTL Compatible CMOS Logic Integrated Circuits

Mfr.'s Type				Description	No. of Leads
MC74HC		MC74HCT			
PDIP	SOIC	PDIP	SOIC		
MC74HC00AN	MC74HC00AD	—	—	Quad 2-Input NAND Gate	14
MC74HC02AN	MC74HC02AD	—	—	Quad 2-Input NOR Gate	14
MC74HC03AN	MC74HC03AD	—	—	Quad 2-Input NAND Gate With Open Drain Outputs	14
MC74HC04AN	MC74HC04AD	—	—	Hex Inverter	14
MC74HC08AN	MC74HC08AD	MC74HCT04AN	MC74HCT04AD	Quad 2-Input AND Gate	14
MC74HC125AN	MC74HC125AD	—	—	Quad 3-State Non-Inverting Buffer, Active Low Enable	14
MC74HC126AN	—	—	—	Quad 3-State Non-Inverting Buffer, Active High Enable	14
MC74HC132AN	MC74HC132AD	—	—	Quad 2-Input NAND Gate With Schmitt Trigger Inputs	14
MC74HC138AN	MC74HC138AD	MC74HCT138AN	—	1 Of 8 Decoder/Demultiplexer	16
MC74HC139AN	—	—	—	Dual 1 Of 4 Decoder/Demultiplexer	16
MC74HC14AN	MC74HC14AD	MC74HCT14AN	MC74HCT14AD	Hex Schmitt Trigger Inverter	14
MC74HC157AN	MC74HC157AD	—	—	Quad 2-Input Data Selectors/Multiplexers	16
MC74HC161AN	MC74HC161AD	—	—	Asynchronous Presettable Binary Counter	16
MC74HC163AN	—	—	—	Synchronous Presettable Binary Counter	16
MC74HC174AN	—	—	—	Hex D Type Flip-Flop With Common Clock and Reset	16
MC74HC240AN	MC74HC240ADW	—	—	Octal 3-State Inverting Buffer/Line Driver	20
MC74HC244AN	MC74HC244ADW	MC74HCT244AN	MC74HCT244ADW	Octal 3-State Non-Inverting Buffer/Line Driver/Line Receiver	20
MC74HC245AN	MC74HC245ADW	MC74HCT245AN	MC74HCT245ADW	Octal 3-State Non-Inverting Bus Transceiver	20
MC74HC273AN	MC74HC273ADW	MC74HCT273AN	MC74HCT273ADW	Octal D Type Flip-Flop With Common Clock and Reset	20
MC74HC32AN	MC74HC32AD	—	—	Quad 2-Input OR Gate	14
MC74HC373AN	MC74HC373ADW	MC74HCT373AN	MC74HCT373ADW	Octal 3-State Non-Inverting Transparent Latch	20
MC74HC374AN	—	MC74HCT374AN	—	Octal 3-State Non-Inverting D Type Flip-Flop	20
MC74HC393AN	—	—	—	Dual 4-Stage Binary Ripple Counter	14
MC74HC4020AN	MC74HC4020AD	—	—	14-Stage Binary Ripple Counter	16
MC74HC4040AN	—	—	—	12-Stage Binary Ripple Counter	16
MC74HC4046AN	MC74HC4046AD	—	—	Phase Locked Loop	16
MC74HC4051AN	—	—	—	8-Channel Single-Ended Break-before-Make Analog Multiplexer/Demultiplexer	16
MC74HC4052AN	MC74HC4052ADW	—	—	4-Channel Differential Break-before-Make Analog Multiplexer/Demultiplexer	16
MC74HC4053AN	MC74HC4053ADW	—	—	Triple 2-Channel Single-Ended Break-before-Make Analog Multiplexer/Demultiplexer	16
MC74HC4060AN	—	—	—	14-Stage Binary Ripple Counter With Oscillator	16
MC74HC4066N	MC74HC4066D	—	—	Quad Analog Switch/Multiplexer/Demultiplexer	14
MC74HC4316N	MC74HC4316D	—	—	Quad Analog Switch/Multiplexer/Demultiplexer With Separate Analog and Digital Power Supplies	16
MC74HC4538AN	MC74HC4538AD	—	—	Dual Precision Monostable Multivibrator, Retriggerable/Resetable	16
MC74HC540AN	MC74HC540ADW	—	—	Octal 3-State Inverting Buffer/Line Driver/Line Receiver	20
MC74HC541AN	MC74HC541ADW	—	MC74HCT541ADW	Octal 3-State Non-Inverting Buffer/Line Driver/Line Receiver	20
MC74HC573AN	MC74HC573ADW	MC74HCT573AN	MC74HCT573ADW	Octal 3-State Non-Inverting Transparent Latch	20
MC74HC574AN	MC74HC574ADW	MC74HCT574AN	MC74HCT574ADW	Octal 3-State Non-Inverting D Type Flip-Flop	20
MC74HC595AN	—	—	—	8-Bit Serial-Input/Serial Or Parallel-Output Shift Register With Latched 3-State Outputs	16
MC74HC74AN	MC74HC74AD	—	—	Dual D Type Flip-Flop with Set and Reset	14

SN74LS: Low Power Schottky TTL Logic Integrated Circuits

Mfr.'s Type		Description	No. of Leads	Mfr.'s Type		Description	No. of Leads
PDIP	SOIC			PDIP	SOIC		
SN74LS00N	SN74LS00D	Quad 2-Input NAND Gate	14	SN74LS245N	SN74LS245DW	Octal Bus Transceiver	20
SN74LS04N	SN74LS04D	Hex Inverter	14	SN74LS247N	—	BCD To Seven Segment Decoder/Driver With Open Collector Outputs	16
SN74LS05N	—	Hex Inverter With Open Collector Outputs	14	SN74LS251N	—	8-Input Multiplexer With 3-State Outputs	16
SN74LS08N	SN74LS08D	Quad 2-Input AND Gate	14	SN74LS253N	—	Dual 4-Input Multiplexer With 3-State Outputs	16
SN74LS109AN	—	Dual JK Positive Edge-Triggered Flip-Flop	16	SN74LS259N	—	Quad 2-Input Multiplexer With 3-State Outputs, Non-Inverting	16
SN74LS122N	—	Retriggerable Monostable Multivibrator, One Shot	14	SN74LS260N	—	8-Bit Addressable Latch	16
SN74LS123N	SN74LS123D	Dual Retriggerable Monostable Multivibrator, One Shot	16	SN74LS263N	—	Dual 5-Input NOR Gate	14
SN74LS125AN	—	Quad 3-State Buffer, Enable Low	14	SN74LS273N	—	Octal D Type Flip-Flop With Clear	20
SN74LS126AN	—	Quad 3-State Buffer, Enable High	14	SN74LS299N	—	8-Bit Shift/Storage Register With 3-State Outputs	20
SN74LS132N	SN74LS132D	Quad 2-Input Schmitt Trigger NAND Gate	14	SN74LS32D	SN74LS32D	Quad 2-Input OR Gate	14
SN74LS138N	SN74LS138D	1 Of 8 Decoder/Demultiplexer	16	SN74LS365AN	—	Hex 3-State Buffer With Common 2-Input NOR Enable	16
SN74LS139N	—	Dual 1 Of 4 Decoder/Demultiplexer	16	SN74LS367AN	—	Hex 3-State Buffer With Separate 2-Bit and 4-Bit Sections	16
SN74LS145N	—	1 of 10 Decoder/Driver With Open Collector Outputs	16	SN74LS368AN	—	Hex 3-State Inverter Buffer With Separate 2-Bit and 4-Bit Sections	16
SN74LS148N	—	8-Line To 3-Line Priority Encoder	16	SN74LS373N	SN74LS373DW	Octal Transparent Latch With 3-State Outputs	20
SN74LS14N	SN74LS14D	Hex Schmitt Trigger Inverter	14	SN74LS374N	SN74LS374DW	Octal D Type Flip-Flop With 3-State Outputs	20
SN74LS151N	—	8-Input Multiplexer	16	SN74LS377N	—	Octal D Type Flip-Flop With Enable	20
SN74LS153N	—	Dual 4-Input Multiplexer	16	SN74LS38N	—	Quad 2-Input NAND Buffer With Open Collector Outputs	14
SN74LS156N	—	Dual 1 Of 4 Decoder/Demultiplexer With Open Collector Outputs	16	SN74LS393N	—	Dual 4-Stage Binary Ripple Counter	14
SN74LS157N	—	Quad 2-Input Multiplexer	16	SN74LS42N	—	1 Of 10 Decoder	16
SN74LS161AN	—	Synchronous Presettable 4-Bit Binary Up Only Counter,	16	SN74LS47N	—	BCD To Seven Segment Decoder/Driver	16
SN74LS163AN	—	Asynchronous Reset	16	SN74LS541N	—	Octal Buffer/Line Driver With 3-State Outputs	20
SN74LS164AN	SN74LS164D	Synchronous Presettable 4-Bit Binary Up Only Counter,	16	SN74LS640N	—	Octal Inverting Bus Transceiver With 3-State Outputs	20
SN74LS165N	—	Serial-In Parallel-Out Shift Register	14	SN74LS641N	—	Octal Bus Transceiver With Open Collector Outputs	20
SN74LS166N	—	8-Bit Parallel-To-Serial Shift Register	16	SN74LS642N	—	Octal Inverting Bus Transceiver With Open Collector Outputs	20
SN74LS166N	—	8-Bit Shift Register	16	SN74LS645N	—	Octal Bus Transceiver With 3-State Outputs	20
SN74LS174N	—	Hex D Type Flip-Flop	16	SN74LS682N	—	8-Bit Magnitude Comparator	20
SN74LS175N	—	Quad D Type Flip-Flop	16	SN74LS684N	—	8-Bit Magnitude Comparator	20
SN74LS193N	—	Dual Synchronous Presettable 4-Bit Binary Up/Down Counter	16	SN74LS688N	—	8-Bit Magnitude Comparator	20
SN74LS221N	—	Dual Monostable Multivibrators With Schmitt Trigger Inputs	16	SN74LS74AN	SN74LS74AD	Dual D Type Positive Edge Triggered Flip-Flop	14
SN74LS240N	—	Dual 4-Bit Inverting Buffer/Driver, Enable Low, 3-State Outputs	20	SN74LS76AN	—	Dual JK Negative Edge Triggered Flip-Flop With Set and Clear	16
SN74LS244N	SN74LS244DW	Dual 4-Bit Buffer/Driver, Enable Low, 3-State Outputs	14	SN74LS85N	—	4-Bit Magnitude Comparator	16
				SN74LS86N	SN74LS86D	Quad 2-Input Exclusive OR Gate	14

MC10EL and MC100EL: ECLinPS Lite 10 K and 100 K Emitter-Coupled Logic in Picoseconds Integrated Circuits

Mfr.'s Type		Description	No. of Leads	Mfr.'s Type		Description	No. of Leads
MC10E	MC100E			MC10E	MC100E		
—	MC100EL11D	1:2 Differential Fanout Buffer	8	MC10EL32D	MC100EL32D	Differential Divide-By-2 Prescaler	8
—	MC100EL12D	Low Impedance Driver	8	MC10EL33D	MC100EL33D	Differential Divide-By-4 Prescaler	8
MC10EL16D	MC100EL16D	Differential Receiver	8	—	MC100EL51D	Differential Clock D Flip-Flop	8
MC10EL31D	MC100EL31D	D Flip-Flop With Set and Reset	8	—	—	—	—