

http://www.semiconductors.philips.com
Visit Philips Semiconductor's web site to learn about their latest products, news releases, to obtain data sheets and technical support.

Logic

74F Fast TTL Logic Devices

Mfr.'s Type		Description	No. of Leads
PDIP	SOIC		
74F00N	—	Quad 2-Input NAND Gate	14
74F02N	—	Quad 2-Input NOR Gate	14
74F04N	—	Hex Inverter	14
74F08N	—	Quad 2-Input AND Gate	14
74F14N	—	Hex Inverter Schmitt-trigger	14
74F32N	74F32D	Quad 2-Input OR Gate	14
74F37N	—	Quad 2-Input NAND Buffer 14 A	14
—	74F138D	Quad 2-Input NAND Buffer, OC	20
74F132N	—	Quad 2-Input NAND Buffer Schmitt-trigger	14
74F139N	—	Dual 2 to 4 Decoder, INV	16
74F148N	—	8 to 3 Line Priority Encoder	16
74F157AN	—	Quad 2 to 1 Multiplexer	16
—	74F158AD	Quad 2 to 1 Multiplexer, Inv.	16
74F161AN	—	Synchronous 4-Bit Binary Counter, Asynchronous reset	16
74F164N	—	8-Bit SI-PO Shift Register	14
74F241N	—	Octal Buffer, 3-state	20
74F244N	—	Octal Buffer, 3-state	20
74F269N	—	Synchronous Presettable 8-Bit Bidirectional Binary Counter	24
74F367N	—	Hex Buffer, 4-Bit & 2-Bit, 3-state	16
74F374N	—	Octal D-Type Flip-Flop, 3-state	20
74F543N	—	Octal Registered Transceiver, 3-state (*245+*373)	24
74F579N	—	8-Bit Bidirectional Binary Counter, Common I/O, 3-state	20
—	74F623D	Octal Transceiver, 3-state	20

74HCT High Speed TTL Compatible CMOS and 74HC CMOS Logic Devices

Mfr.'s Type				Description	No. of Leads
74HCT Logic		74HC Logic			
PDIP	SOIC	PDIP	SOIC		
74HCT00N	74HCT00D	74HC00N	74HC00D	Quad 2-Input NAND Gate	14
74HCT02N	—	74HC02N	—	Quad 2-Input NOR Gate	14
74HCT04N	74HCT04D	74HC04N	74HC04D	Hex Inverter	14
74HCT08N	74HCT08D	74HC08N	74HC08D	Quad 2-Input AND Gate	14
74HCT10N	—	—	—	Triple 3-Input NAND Gate	14
74HCT123N	74HCT123D	74HC123N	74HC123D	Dual Retriggerable Monostable Multivibrator	16
74HCT125N	—	—	—	Quad 3-State Bus Buffer	14
74HCT132N	—	74HC132N	74HC132D	Quad 2-Input NAND Schmitt Trigger	14
74HCT138N	74HCT138D	74HC138N	74HC138D	1-of-8 Decoder/Demultiplexer	16
74HCT139N	—	—	74HC139D	Dual 1-of-4 Decoder/Demultiplexer	16
74HCT14N	74HCT14D	74HC14N	74HC14D	Hex Schmitt Trigger	14
74HCT151N	—	—	—	8-Input Multiplexer	16
74HC154N	—	—	—	1-of-6 Decoder/Demultiplexer	24
74HCT157N	74HCT157D	—	74HC157D	Quad 2-Input Multiplexer	16
74HCT161N	—	—	—	4-Bit Binary Counter	16
74HCT164N	74HCT164D	—	—	8-Bit Serial In/Parallel Out Shift Register	14
74HCT165N	—	—	—	Parallel Load 8-Bit Shift Register	16
74HCT174N	—	—	—	Hex D Type Flip-Flop with Clear	16
74HCT175N	—	—	—	Quad D Type Flip-Flop, Edge Triggered	16
74HCT20N	—	74HC191N	—	Synchronous Binary Up/Down Counter	16
74HCT238N	—	74HC238N	—	Dual 4-Input NAND Gate	14
74HCT240N	—	—	—	1-to-8 Decoder/Demultiplexer	16
74HCT244N	74HCT244D	74HC244N	74HC244D	Octal 3-State Buffer, Inverting	20
74HCT245N	74HCT245D	74HC245N	74HC245D	Octal 3-State Driver	20
74HCT259N	74HCT259D	74HC259N	—	Octal Transceiver, 3-State	20
74HCT27N	—	—	—	8-Bit Addressable Latch	16
74HCT273N	—	74HC273N	—	Triple 3-Input NOR Gate	14
74HCT32N	—	74HC32N	74HC32D	Quad D-Type Flip-Flop	20
74HCT365N	—	—	—	Quad 2-Input OR Gate	14
74HCT367N	—	—	—	Hex Buffer with Common Enable, 3-State	16
—	—	74HC373N	74HC373D	Hex Buffer, 4-Bit and 2-Bit, 3-State	16
74HCT374N	—	74HC374N	—	Octal 3-State Latch	20
—	—	74HC377N	74HC377D	Octal D Flip-Flop, 3-State	20
74HCT393N	74HCT393D	—	74HC393D	Octal D Flip-Flop with Enable	20
74HCT4040N	—	74HC40103N	—	Dual Binary Ripple Counter	14
74HCT4046AN	—	74HC4040N	—	8-Bit Binary Down Counter	16
74HCT4051N	—	—	—	12-Stage Binary Counter	16
—	—	74HC4051N	—	Phase Locked Loop with VCO	16
—	—	74HC4052N	—	8-Channel Multiplexer/Demultiplexer	16
—	—	74HC4053N	—	Dual 4-Channel Analog Multiplexer/Demultiplexer	16
—	—	—	74HC4066D	Triple 2-Channel Multiplexer/Demultiplexer	16
74HCT4538N	—	74HC423N	—	Quad Bilateral Switch	14
74HCT540N	—	74HC4538N	74HC4538D	Dual Retriggerable Monostable Multivibrator	16
74HCT541N	—	—	—	Dual Monostable Multivibrator	16
74HCT573N	—	74HC541N	74HC541D	Octal Inverting Buffer, 3-State	20
74HCT574N	—	74HC573N	74HC573D	Octal Buffer, 3-State	20
—	—	74HC574N	—	Octal 3-State Transparent Latch	20
74HCT640N	—	74HC597N	—	Octal D-Type Flip-Flop, Positive Edge Triggered, 3-State	20
74HCT686N	74HCT688D	—	—	8-Bit Shift Register with Input Latch	16
—	—	—	74HC7046AD	Octal 3-State Transceiver, Inverting	20
74HCT74N	74HCT74D	74HC74N	74HC74D	8-Bit Magnitude Comparator	20
74HCT86N	—	74HC86N	74HC86D	Phase Locked Loop with Lock	16
—	—	—	—	Dual D-Type Edge Triggered Flip-Flop	14
—	—	—	—	Quad 2-Input Exclusive OR Gate	14