

74HC/T Cross Reference Card

On Semiconductor and TI to Philips

FUNCTION	DESCRIPTION	NO. PINS	PHILIPS	ON SEMI	TI
74HC/T00	QUAD 2-INPUT NAND GATE	14	A		A
74HC/T02	QUAD 2-INPUT NOR GATE	14	A		A
74HC/T03	QUAD 2-INPUT NAND GATE (OC)	14	A		A
74HC/T04	HEX INVERTER	14	A		A
74HCU04	HEX INVERTER (UNBUFFERED)	14	A	A	A
74HC/T08	QUAD 2-INPUT AND GATE	14	A		A
74HC/T10	TRIPLE 3-INPUT NAND GATE	14	A	A	A
74HC/T107	DUAL J-K NEG EDGE F/F/ RES	14	A	A	A
74HC/T109	DUAL J-K POS EDGE F/F/SET, RES	16	A	A	A
74HC/T11	TRIPLE 3-INPUT AND GATE	14	A	A	A
74HC/T112	DUAL J-K NEG EDGE F/F/RESET	16	A	A	A
74HC/T123	DUAL RETRIG MONOSTBL MULTIVIBR	16	A		A
74HC/T125	QUAD BUFFER/DRVR 3-S	14	A		A
74HC/T126	QUAD BUFFER/DRVR 3-S	14	A		A
74HC/T132	QUAD 2-INPUT NAND SCHMITT TRIG	14	A		A
74HC133	13 INPUT NAND GATE	16	A	A	
74HC/T137	3 TO 8 LINE DECODER/DEMUX	16	A	A	A
74HC/T138	3-TO-8 LINE DECODER/DEMUX, INV	16	A		A
74HC/T139	DUAL 2-TO-4 LINE DECODER/DEMUX	16	A		A
74HC/T14	HEX INVERTING SCHMITT TRIGGER	14	A		A
74HC/T147	10-TO-4 LINE PRIORITY ENCODER	16	A	A	A
74HC/T151	8-INPUT MULTIPLEXER	16	A	A	A
74HC/T153	DUAL 4-INPUT MULTIPLEXER	16	A	A	A
74HC/T154	4-TO-16 LINE DECODER/DEMUX	24	A	A	A
74HC/T157	QUAD 2-INPUT MULTIPLEXER	16	A		A
74HC/T158	QUAD 2-INPUT MULTIPLEXER, INV	16	A	A	A
74HC/T161	SYNCH 4-BIT BINARY CNTR, ASYNC RES	16	A		A
74HC/T163	SYNCH. 4-BIT BINARY CNTR, SYNC RES	16	A		A
74HC/T164	8 BIT SERIAL-IN/PARALLEL OUT REGISTER	14	A	A	A
74HC/T165	8 BIT PARALLEL-IN SERIAL-OUT REGISTER	16	A	A	A
74HC/T166	8-BIT SI-PO SHIFT REGISTER	16	A		A
74HC/T173	DUAL D-TYPE F/F, POS EDGE TRIG	16	A	A	A
74HC174	HEX D-TYPE F/F, POS EDGE TRIG	16	A		A
74HC/T175	QUAD D-TYPE F/F, POS EDGE TRIG	16	A	A	A
74HC/T191	SYNC BINARY UP/DON COUNTER	16	A		A
74HC192	SYNC DECADE UP/DON COUNTER	16	A		A
74HC/T193	SYNCH 4-BIT BINARY UP/DON CNTR	16	A		A
74HC/T194	4-BIT BIDIRECTIONAL SHIFT REG	16	A	A	A
74HC195	4-BIT PARALLEL-ACCESS SHIFT REG	16	A	A	A
74HC/T20	DUAL 4-INPUT NAND GATE	14	A	A	A
74HC/T21	DUAL 4-INPUT AND GATE	14	A		A
74HC/T221	DUAL MONOSTABLE MULTIVIBRATOR	16	A		A
74HC/T237	3-TO-8 LINE DECOD/DEMUX/AD LATCH	16	A	A	A
74HC/T238	3-TO-8 LINE DECODER/DEMUX	16	A		A
74HC/T240	OCT BUF/LINE DRVR, INV 3-S	20	A		A
74HC/T241	OCT LINE DRVR, 3-S	20	A		A
74HC/T242	QUAD BUS XCVR, INV 3-S	14	A	A	
74HC/T243	QUAD BUS TRANSCEIVER, 3-S	14	A		A
74HC/T244	OCT LINE DRVR, 3-S	20	A		A
74HC/T245	OCTAL BUS TRANSCEIVER 3-S	20	A		A
74HC/T251	8-INPUT MUX, 3-STATE	16	A	A	A
74HC/T253	DUAL 4-INPUT MULTIPLEXER, 3-S	16	A	A	A
74HC/T257	QUAD 2-INPUT MULTIPLEXER, 3-S	16	A	A	A
74HCT258	QUAD 2-INPUT MULTIPLEXER: 3-S; INV.	16	A		A
74HC/T259	8-BIT ADDRESSABLE LATCH	16	A	A	A
74HC/T27	TRIPLE 3-INPUT NOR GATE	14	A	A	A
74HC/T273	OCT D-TYPE F/F/POS EDGE TRIG	20	A		A
74HC/T280	9-BIT ODD/EVEN PAR GEN/CHECKER	14	A	A	A
74HC/T283	4-BIT FULL ADDER/FAST CARRY	16	A		A
74HC/T297	DIG PHASE LOCKED LOOP FILTER	16	A		A
74HC/T299	8-BIT UNIVERSAL SHIFT REG 3-S	20	A	A	A
74HC/T30	8-INPUT NAND GATE	14	A	A	A
74HC/T32	QUAD 2-INPUT OR GATE	14	A		A

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FUNCTION	DESCRIPTION	NO. PINS	PHILIPS	ON SEMI	TI
74HC/T354	8 INPUT MUX/REGISTER	20	A	A	A
74HC/T365	8-BIT MULTIPLEXER/REG, 3-STATE	16	A	A	A
74HC/T366	HEX BUFFER/LINE DRVR, INV 3-S	16	A	A	A
74HC/T367	HEX BUFFER/LINE DRVR, 3-S	16	A	A	A
74HC/T368	HEX BUFFER/LINE DRVR, INV 3-S	16	A	A	A
74HC/T373	OCT D-TYPE TRANSP LATCH, 3-S	20	A		A
74HC/T374	OCT D-TYPE F/F POS EDGE TRIG, 3-S	20	A		A
74HC/T377	OCT D-TYPE F/F/ENABLE, POS EDG T	20	A		A
74HC/T390	DUAL DECADE RIPPLE COUNTER	16	A	A	A
74HC/T393	DUAL 4-BIT BINARY RIPPLE COUNTER	14	A		A
74HC4002	DUAL 4-INPUT NOR GATE	14	A	A	A
74HC/T40103	8-BIT SYNCH DON COUNTER	16	A		A
74HC/T40104	4 BIT BIDIRECT UNIV RGSTR	16	A		A
74HC/T40105	4 BIT X 16-ORD FIFO REGISTER	16	A		A
74HC4015	DUAL 4-BIT SHIFT REGISTER	16	A		A
74HC4016	QUAD BILATERAL SITCH	14	A	A	A
74HC4017	JOHNSON COUNTER/10 OUTPUTS	16	A	A	A
74HC/T4020	14-STAGE BINARY RIPPLE COUNTER	16	A		A
74HC/T4024	7-STAGE BINARY RIPPLE COUNTER	14	A	A	A
74HC/T4040	12-STAGE BINARY RIPPLE COUNTER	16	A		A
74HC4046A	PHASE LOCKED LOOP/VCO	16	A	A	A
74HC4049	HEX INV HIGH-LO LEVEL SHIFTER	16	A	A	A
74HC4050	HEX HIGH-LO LEVEL SHIFTER	16	A		A
74HC/T4051	8-CHANNEL ANALOG MUX/DEMUX	16	A	A	A
74HC/T4052	DUAL 4-CHANNEL ANALOG MUX/DMUX	16	A	A	A
74HC/T4053	TRIPLE 2-CHANNEL MUX/DEMUX	16	A	A	A
74HCT4059	PROGRAMMABLE DIVIDE-BY-N COUNTER	24	A		A
74HC/T4060	14-STAGE BINARY RIPPLE COUNTER	16	A	A	A
74HC/T4066	QUAD BILATERAL SITCH	14	A	A	A
74HC/T4067	16-CHANNEL ANALOG MUX/DEMUX	24	A		A
74HC/T4075	TRIPLE 3-INPUT OR GATE	14	A	A	A
74HC/T4094	8-STAGE SHIFT-&-STORE BUS REG	16	A		A
74HC/T42	BCD-TO-DECIMAL DECODER (1 OF 10)	16	A	A	A
74HC/T423	DUAL RETRIG MONOSTBL MULTIVIB	16	A		A
74HC/T4316	QUAD BILATERAL SITCH	16	A	A	A
74HC/T4351	8-CHANNEL ANALOG MUX/DEMUX	20	A	A	A
74HC4352	DUAL 4-CHAN MUX/DEMUX/LTCH	20	A		A
74HC4353	TRIPLE 2-CHAN MUX/DEMUX/LTCH	20	A	A	
74HC/T4510	BCD UP/DON COUNTER	16	A		A
74HC4511	BCD TO 7-SEG LATCH DECODR/DRVR	16	A	A	A
74HC4514	4-TO-16 LINE DECODER/MUX/LTCH	24	A	A	A
74HC4515	4-TO-16 LINE DECODER/DEMUX/LTCH	24	A		A
74HC/T4516	BINARY UP/DON COUNTER	16	A		A
74HC4518	DUAL BCD COUNTER	16	A		A
74HC/T4520	DUAL 4-BIT SYNCH BINARY COUNTER	16	A		A
74HC/T4538	DUAL RETRIG MONOSTBL MULTIVIB	16	A		A
74HC/T4543	BCD TO 7-SEG LATCH DECODR/DRVR	16	A		A
74HC533	OCTAL 3-STATE LATCH INVERTING	20	A		A
74HC/T534	OCT D-TYPE F/F INV, 3-STATE	20	A		A
74HC/T540	OCT BUFFER/LINE DRVR, INV 3-S	20	A		A
74HC/T541	OCT BUFFER/LINE DRVR, 3-S	20	A		A
74HC/T563	OCT D-TYPE TRANSP LATCH, INV 3-S	20	A	A	A
74HC/T564	OCT D-TYPE F/F POS EDGE TRIG, 3-S	20	A	A	A
74HC/T573	OCT D-TYPE TRANSPARENT LATCH	20	A		A
74HC/T574	OCT D-TYPE F/F POS EDGE TRIG, 3-S	20	A		A
74HC58	DUAL AND/OR GATE	14	A	A	
74HC583	BCD ADDER	16	A		A
74HC/T597	8-BIT SHIFT REG/INPUT LATCH	16	A	A	A
74HC/T640	OCTAL BUS TRANSCEIVER INV 3-S	20	A		A
74HC/T646	OCT BUS XCVR/REGISTER, 3-S	24	A	A	
74HC/T652	OCT BUS XCVR/REGISTER, 3-S	24	A		A
74HC670	4 X 4 REGISTER FILE, 3-STATE	16	A		A
74HC688	8-BIT MAGNITUDE COMPARATOR	20	A	A	A
74HC/T7030	64 WORD X 9-BIT FIFO	28	A		A
74HC/T7046A	PHASED-LOCKED LOOP/LOCK DTCT	16	A		A
74HC7266	QUAD 2-INPUT EXCLSVE-NOR GATE	14	A	A	A
74HC/T73	DUAL J-K MASTER SLAVE F/F	14	A	A	A
74HC/T74	DUAL D-TYPE EDGE TRIGGER F/F	14	A		A
74HC/T75	QUAD BISTABLE TRNSPT LATCH	16	A	A	A
74HC/T85	4-BIT MAGNITUDE COMPARATOR	16	A	A	A
74HC/T86	QUAD 2-INPUT EXCLUSIVE-OR GATE	14	A	A	A
74HC/T93	4-BIT BINARY RIPPLE COUNTER	14	A		A