

IC - Number	Description www.circuitspedia.com
7400	Quad 2 Input NAND gates
7401	Quad 2- Input NAND gates(Open collector)
7402	Quad 2-Input NOR gates
7403	Quad 2-Input NOR gates(Open Collector)
7404	Hex Inverters
7405	Hex Inverters(open Collector)
7506	Hex Inverter buffers/drivers
7407	Hex buffer-drivers(open collector high voltage outputs)
7408	Quad 2-Input AND gates
7409	Quad 2-Input AND gates(Open Collector)
7410	Triple 3-Input NAND gates
7411	Triple 3-Input AND gates
7412	Triple 3-Input NAND gates(Open Collector)
7413	Dual 4-Input NAND Schmitt trigger
7414	Hex Schmitt-trigger inverters
74H15	Triple 3-Input AND gate(Open collector)
7416	Hex inverter buffer drivers
7417	Hex buffer drivers
7420	Dual 4-Input NAND gates
7421	Dual 4-input AND gates
7422	Dual 4-input NAND gates(Open collector)
7423	Dual 4-input NOR gates with strobe
7425	Dual 4-input NOR gate
7426	Quad 2-input TTL-MOS interface NAND gate
7427	Triple 3-input NOR gate
7428	Quad 2-input NOR buffers
7430	8-input NAND gate
74S31	Delay elements
7432	Quad 2-input OR gates
7433	Quad 2-input NOR buffers(Open collector)
7437	Quad 2-input NAND buffer
7438, 39	Quad –input NAND buffer(open collector)
7440	Dual 4-input NAND buffers
7441, 42	BCD-to-Decimal decoder
7443, 43A	Excess-3-to-Decimal decoder
7444, 44A	Grey-to-Decimal decoder
7445	BCD-to-Decimal decoder/driver
7446	BCD-to-Seven segment decoder/driver(30V output)
7448	BCD-to-Seven segment decoder/driver
7450	Expandable dual 2-input
7451	Dual 2-input 2-wide AOI gates
7452	Expandable 2-input 4-wide AND/OR gate
7453	Expandable 2-input 4-wide AOI gates
7454	2-input 4-wide AOI gates
7455	Expandable 4-input 2-wide AOI gates
7459	Dual 2/3-inputs 2 wide AOI gates
7460	Dual 4-input expanders
7461	Triple 3-input expanders
7462	2-2-3-3 input 4-wide A/O expanders
7464	2-2-3-4 input 4-wide AOI gates

7465	4-wide AOI gates(open collectors)	
7470	AND gated positive edge-triggered J-K FF with PRESET AND CLEAR	
7471	JK master-slave FF with preset	
7472, 74H72	AND gated J-K master-slave FF with PRESET and CLEAR	
7473	Dual J-K master-slave FF with active-LOW CLEAR	
7474	Dual positive edge-triggered D FLIP-FLOP	
7475	Quad D Latch	
7476	Dual positive edge-triggered J-K FLIP-FLOP	
74LS76A	Dual negative edge-triggered J-K Flip-Flop	
7480	Gated full-adder	
7482	2-bit binary full adder	
7483	4-bit binary full-adder with fast carry	
7485	4-bit magnitude comparator	
7486	Quad X-OR gate	
7489	64-Bit random access read/write memory	
7490	Decade counter	
7491	8-bit shift register	[www.circuitspedia.com]
7492	Divide by 12 counter	
7493	4-bit binary counter	
7494	4-bit shift register	
7495	4-bit bidirectional shift register	
7596	5-bit parallel-in parallel out shift register	
74100	4-bit bistable latch	
74H103	Dual J-K negative edge triggered FF with PRESET and CLEAR	
74104	J-K master-slave Flip-Flop	
74105	Gated J-K master slave Flip-Flop	
74H106	Dual J-K negative edge-triggered FF with PRESET and CLEAR	
74107	Dual j-K master-slave flip-flop with CLEAR	
74LS107A	Dual J-K negative edge-triggered FF	
74109	Dual J-K positive edge-triggered Flip-flop	
74110	AND gated master-slave flip-flop with data lock-out	
74111	Dual J-K master slave flip-flop with data lock-out	
74116	Dual 4-bit latches with CLEAR	
74121	Non-Retriggerable one shot	
74122, 23	Retriggerable one shot with CLEAR	
74125, 26	3-State Quad bus-buffer	
74128	Quad 2-input NOR buffer	
74132	Quad 2-input NAND Schmitt trigger	
74133	13-input NAND gate	
74134	12-input NAND gate	
74136	Quad 2-input X-OR gate	
74137, 38	1:8 demultiplexer	
74LS138	3-line to 8 –line decoder/demultiplexer	
74139	Dual 1:4 demultiplexer	
74141	BCD to decimal decoder/driver	
74142	BCD counter/Latch/decoder/driver	
74145	BCD to decimal decoder/driver	
74147	Decimal to BCD priority encoder	
74148	Octal-to-Binary priority encoder	
74150	16-line to 1-line multiplexer	
74151	8-channel digital multiplexer	
74152	8-channel data selector/MUX	
74153	Dual 4-line to 1-line multiplexer	

74154	4-line to 16-line decoder/ D MUX
74155, 156	Dual 2-line to 4-line D MUX
74157	Quad 2-line to 1-line data selector
74160	Decade counter with asynchronous CLEAR
74161, 62, 63	Synchronous 4-bit counter
74164	8-bit parallel-out serial shift register
74165, 66	Parallel load 8-bit serial shift register
74S168	Synchronous up/down decade counter
74S169	Synchronous up/down binary counter
74170	4x4 register files
74173	4-bit D type 3-state register
74174	Hex D flip-flop with CLEAR
74175	Quad D flip-flop with CLEAR
74176	35 MHZ presentable decade counter
74177	35 MHZ presentable binary counter
74179	4-bit parallel access shift register
74180	8-bit odd/even parity generator/checker
74181	Arithmetic logic unit
74182	Look-ahead carry generator
74184	BCD to binary converter
74185	Binary to BCD converter
74189	3-state 64-bit RAM [www.circuitspedia.com]
74190	Synchronous up/down decade counter
74191,93	Synchronous binary up/down counter
74192	Synchronous BCD up/down counter
74194	4-bit bidirectional universal shift register
74195	4-bit parallel access shift register
74196	Presentable decade counter
74197	Presentable binary counter
74198	8-bit shift register
74199	8-bit parallel-access shift register
74221	Dual one-shot with Schmitt trigger inputs
74245	Octal transceiver
74246, 47, 48	BCD-to-seven segment decoder/driver
74251	3-state 8-channel multiplexer
74LS253	Dual 4-to-1 data MUX with 3-state output
74256	Dual 4-bit addressable latch
74257	Quad 2-1 MUX
74258	Data selector/MUX
74LS266	Quad 2-input X-NOR gates
74279	Quad latches
74LS280	9-bit odd/even parity generator/checker
74283	4-bit binary full adder with fast carry
74284, 285	3-state 4-bit by 4-bit parallel binary MUX
74290	Decade counter
74293	4-bit binary counter
74295	4-bit bidirectional shift register with 3-state outputs
74LS320	Crystal controlled oscillator
74365, 66, 67	3-state hex buffers
74373, 74	Latches/flip-flops
74390	Individual clocks with flip-flops
74393	Dual 4-bit binary counter

