

The 74LS Series of Bipolar Digital integrated Circuits have been the workhorse of digital circuits for more than two decades and although improved alternatives such as the 74ALS and 74HCT Series are also available now, for general medium-frequency designs, the 74LS Series offer the advantage of lower cost over the 74ALS Series, and lower power consumption at near maximum operating frequencies over the 74HCT Series. Due to lower power consumption of 74HCT circuits at lower frequencies, total Fan-In/Fan-Out compatibility with the 74LS Series and its cost competitiveness, a 'mixed' circuit design employing 74HCT devices in lower frequency stages and 74LS components in higher frequency areas appears to be the optimum solution.

PART NO.	PINS	DESCRIPTION	PRICE	PART NO.	PINS	DESCRIPTION	PRICE
74LS00	14	QUAD 2-INPUT NAND GATE	.29	74LS158	16	QUAD 2/1 MULTIPLEXER (INV. OUT)	CALL
74LS02	14	QUAD 2-INPUT NOR GATE	.35	74LS160	16	PRESETTABLE DECADE COUNTER	.99
74LS03	14	QUAD 2-INPUT NAND GATE (OPEN COLLECTOR)	.35	74LS161	16	PRESETTABLE BINARY COUNTER	.49
74LS04	14	HEX INVERTER	.35	74LS162	16	PRESETTABLE DECADE COUNTER WITH CLEAR	2.79
74LS05	14	HEX INVERTER (OPEN COLLECTOR)	.35	74LS163	16	PRESETTABLE BINARY COUNTER WITH CLEAR	.69
74LS08	14	QUAD 2-INPUT AND GATE	.29	74LS164	14	8-BIT SHIFT REGISTER	.59
74LS09	14	QUAD 2-INPUT AND GATE (OPEN COLLECTOR)	.29	75LS165	16	PARALLEL LOAD 8-BIT SERIAL SHIFT REGISTER	.75
75LS10	14	TRIPLE 3-INPUT NAND GATE	.29	75LS166	16	8-BIT SHIFT REGISTER	.99
74LS11	14	TRIPLE 3-INPUT AND GATE	.29	74LS168	16	SYNCH DECADE UP/DOWN COUNTER (74LS668)	CALL
74LS12	14	3-INPUT NAND GATE (OPEN COLLECTOR)	.29	74LS169	17	SYNCH BINARY UP/DOWN COUNTER (74LS669)	1.00
74LS13	14	DUAL SCHMITT TRIGGER	.49	74LS170	16	4 X 4 REGISTER FILE	CALL
74LS14	14	HEX SCHMITT TRIGGER	.39	74LS173	16	QUAD D. REGISTER (IN-STATE)	.59
74LS15	14	TRIPLE 3-INPUT AND GATE (O/C)	.39	74LS174	16	HEX D FLIP FLOP WITH CLEAR	.49
74LS20	14	DUAL 4-INPUT NAND GATE	.29	74LS175	16	QUAD D FLIP FLOP	.49
74LS21	14	DUAL 4-INPUT AND GATE	.35	74LS181	24	ARITHMETIC LOGIC UNIT	2.49
74LS22	14	DUAL 4-INPUT NAND GATE (OPEN COLLECTOR)	.39	74LS190	16	UP/DOWN DECADE COUNTER	1.79
74LS26	14	QUAD 2-INPUT NAND GATE (15V O/C)	.35	74LS191	16	UP/DOWN BINARY COUNTER	.59
74LS27	14	TRIPLE 3-INPUT NOR GATE	.35	74LS192	16	4-BIT UP/DOWN BCD COUNTER	CALL
74LS28	14	QUAD 2-INPUT NOR BUFFER	.39	74LS193	16	4-BIT UP/DOWN BINARY COUNTER	.79
74LS30	14	8-INPUT NAND GATE	.29	74LS194	16	4-BIT DIRECTIONAL UNIVERSAL SHIFT REGISTER	.69
74LS32	14	QUAD 2-INPUT OR GATE	.35	74LS195	16	4-BIT PARALLEL-ACCESS SHIFT REGISTER	.79
74LS33	14	QUAD 2-INPUT NOR BUFFER (OPEN COLLECTOR)	.49	74LS196	14	PRESETTABLE DECADE COUNTER	CALL
74LS37	14	QUAD 2-INPUT NAND BUFFER	.39	74LS197	14	PRESET BINARY COUNTER	CALL
74LS38	14	QUAD 2-INPUT NAND BUFFER (OPEN COLLECTOR)	.39	74LS221	16	DUAL ONE-SHOT	.69
74LS40	14	DUAL 4-INPUT NAND BUFFER	.39	74LS240	20	OCTAL INVERTER BUS/LINE DRIVER	.69
74LS42	16	BCD-TO-DECIMAL DECODER	.79	74LS241	20	20 OCTAL BUS/LINE DRIVER	.69
74LS47	16	BCD-7-SEGMENT DECODER/DRIVER	1.40	74LS242	14	QUAD BUS TRANSCEIVER INVERTING	2.49
74LS51	14	DUAL 2-INPUT AND/OR INVERT GATE	CALL	74LS243	14	TRI-STATE QUAD TRANSCEIVER	.69
74LS54	14	4 WIDE 2-INPUT AND/OR INVERT GATE	CALL	74LS244	20	OCTAL DRIVER NON-INVERTING TRI-STATE	.69
74LS55	14	2 WIDE 4-INPUT AND/OR INVERT GATE	CALL	74LS245	20	OCTAL BUS TRANSCEIVER NON-INVERTING	.89
74LS73	14	DUAL JK FLIP FLOP WITH CLEAR	.59	74LS247	16	BCD TO 7-SEGMENT DECODER/DRIVER	1.09
74LS74	14	DUAL D FLIP FLOP	.35	74LS248	16	BCD TO 7-SEGMENT DECODER/DRIVER	CALL
74LS75	16	QUAD BISTABLE LATCHES	.59	74LS251	16	TRI-STATE 8-CHANNEL MULTIPLEXER	.59
74LS76	16	DUAL JK FLIP FLOP	.79	74LS253	16	DUAL 4-INPUT MULTIPLEXER TRI-STATE	CALL
74LS83	16	4-BIT BINARY FULL ADDER	.59	74LS257	16	QUAD 3-INPUT MULTIPLEXER IN-STATE	.49
74LS85	16	4-BIT MAGNITUDE COMPARATOR	.59	74LS258	16	QUAD 2/1 MULTIPLEXER	CALL
74LS86	14	QUAD EXCLUSIVE OR GATE 2-INPUT	.35	74LS259	16	8-BIT ADDRESSABLE LATCH	.99
74LS90	14	BCD DECADE COUNTER	.65	74LS260	14	DUAL 5-INPUT NOR GATE	CALL
74LS91	14	8-BIT SHIFT REGISTER	CALL	74LS266	14	QUAD EX-NOR GATE	.59
74LS92	14	DIVIDE-BY-TWELVE COUNTER	.99	74LS273	20	8-BIT D TYPE REGISTER	.89
74LS93	14	4-BIT BINARY COUNTER	.99	74LS279	16	QUAD S-R LATCHES	.49
74LS107	14	DUAL JK MASTER-SLAVE FLIP FLOP	.89	74LS280	14	9-BIT ODD/EVEN PARITY GENERATOR/CHECKER	1.95
74LS109	16	DUAL JK POSITIVE EDGE FLIP FLOP	.45	74LS283	16	4-BIT FULL ADDER	.69
74LS112	16	DUAL JK NEGATIVE EDGE FLIP FLOP	.39	74LS293	14	4-BIT BINARY COUNTER	CALL
74LS114	14	DUAL JK NEGATIVE EDGE FLIP FLOP	CALL	74LS298	16	QUAD 2-INPUT MULTIPLEXER WITH STORAGE	.99
74LS122	14	RETRIGGERABLE MONOSTABLE MULTIVIBRATOR	.60	74LS299	20	8-BIT UNIVERSAL SHIFT/STORAGE REGISTER	2.99
74LS123	16	MONOSTABLE MULTIVIBRATOR WITH CLEAR	.59	74LS352	16	DUAL 4-BIT MULTIPLEXER (INV. OUT)	CALL
74LS125	14	TRI-STATE QUAD BUFFER	.49	74LS353	16	DUAL 4-BIT MULTIPLEXER I(INV. OUT)	CALL
74LS126	14	QUAD BUFFER (TRI-STATE)	.49	74LS365	16	HEX BUFFER (TRI-STATE)	.99
74LS132	14	QUAD SCHMITT TRIGGER	.49	74LS366	16	HEX INVERTER (TRI-STATE)	.49
74LS133	16	13-INPUT NAND GATE	.55	74LS367	16	HEX BUFFER (TRI-STATE)	.49
74LS136	14	QUAD 2-INPUT EXCLUSIVE OR GATE	.49	74LS368	16	HEX INVERTER (TRI-STATE)	CALL
74LS137	16	3/8 LINE DECODER/DEMULTI W/ADD LATCHES	3.79	74LS373	20	OCTAL TRANSPARENT LATCH	.79
74LS138	16	EXPANDABLE 3/8 DECODER	.49	74LS374	20	OCTAL DUAL FLIP FLOP (TRI-STATE)	.79
74LS139	16	EXPANDABLE DUAL 2/4 DECODER	.49	74LS375	16	QUAD LATCH	CALL
74LS145	16	BCD-TO-DECIMAL DECODER/DRIVER	.99	74LS377	16	OCTAL D-TYPE FLIP-FLOPS WITH COMMON ENABLE	.99
74LS147	16	10-LINE TO 4-LINE PRIORITY ENCODER	1.99	74LS378	16	HEX D-TYPE FLIP-FLOPS WITH COMMON ENABLE	CALL
74LS148	16	8-LINE TO 3-LINE PRIORITY ENCODER	1.25	74LS379	16	QUAD D-TYPE FLIP-FLOPS WITH COMMON ENABLE	CALL
74LS151	16	1 OF 8 DATA SELECTOR MULTIPLEXER	.49	74LS386	14	QUAD 2-INPUT EXCLUSIVE-OR GATES	CALL
74LS152	14	1-OF-8 INVERTING DATA SEL./MUX	CALL	74LS390	16	DUAL BCD DECADE COUNTERS	.89
74LS153	16	DUAL 4-INPUT MULTIPLEXER	.49	74LS393	16	DUAL 4-BIT BINARY COUNTERS	.89
74LS154	24	SINGLE 4-16 DECODER	2.95	74LS395	16	4-BIT SERIAL/PARALLEL-IN PARALLEL-OUT S-R (3S)	CALL
74LS155	16	DUAL 2/4 DEMULTIPLEXER	.59	74LS595	16	8-BIT SHIFT REGISTER WITH OUTPUT LATCHES	3.29
74LS156	16	DUAL 2/4 DEMULTIPLEXER (OPEN COLLECTOR)	.59	74LS640	20	OCTAL INVERTING BUS TRANSCEIVERS (3-S)	CALL
74LS157	16	QUAD 2/1 MULTIPLEXER	.45	74LS645	20	OCTAL NON-INVERTING BUS TRANSCEIVERS (3-S)	2.79

**ITEMS MARKED CALL HAVE BEEN DISCONTINUED BY THE MANUFACTURER.
HOWEVER WE STILL HAVE A LIMITED STOCK ON HAND.**