

Component guide

Capacitors

Description	Part No
Capacitor, VARIABLE, 0-200 pF	LK6214
Capacitor, 500 pF, Mica	LK5225
Capacitor, 0.01 uF, Polyester	LK6204
Capacitor, 0.1 uF, Polyester	LK5222
Capacitor, 0.47 uF Polyester	LK6216
Capacitor, 1 uF, Polyester	LK6205
Capacitor, 2 uF, Polyester	LK6217
Capacitor, 4 uF, Electrolytic, 16V	LK6206
Capacitor, 10 uF, Electrolytic, 16V	LK5221
Capacitor, 40 uF, Electrolytic, 16V	LK5224
Capacitor, 100 uF, Electrolytic, 16V	LK6202
Capacitor, 125 uF, Electrolytic, 16V	LK5220
Capacitor, 150 uF, Electrolytic, 16V	LK6223
Capacitor, 1,000 uF, Electrolytic, 16V	LK5223
Capacitor, 1,000 uF, Electrolytic, 30V	LK4003
Capacitor, 2,000 uF, Electrolytic, 16V	LK6203
Capacitor, 4,700 uF, Electrolytic, 16V	LK6653

Resistors

Description	Part No DIN	Part No ANSI
Resistor - 3.9 ohm, 3W, 5%	LK5211	
Resistor - 10 ohm, 1W, 5%	LK4025	LK4025A
Resistor - 47 ohm, 1/2W, 5%		LK4065A
Resistor - 68 ohm 1/2W, 5%	LK5217	LK5217A
Resistor - 12 ohm, 1W, 5%	LK4100	
Resistor - 100 ohm 1/2W, 5%	LK5216	
Resistor - 100 ohm, 1W, 5%	LK4002	LK4002A
Resistor - 120 ohm 1/2W, 5%	LK5206	LK5206A
Resistor - 180 ohm 1/2W, 5%	LK5207	LK5207A
Resistor - 220 ohm 1/2W, 5%	LK5215	LK5215A
Resistor - 270 ohm 1/2W, 5%	LK5205	LK5205A
Resistor - 500 ohm 1/2W, 5%	LK6237	
Resistor - 500 ohm 3W, 5%	LK4044	
Resistor - 560 ohm 1/4W, 5%	LK6219	
Resistor - 1K, 1/4W, 5%	LK5202	LK5202A
Resistor - 2.2K, 1/4W, 5%	LK6218	
Resistor - 5K, 1/4W, 5%	LK6230	
Resistor - 5.6K, 1/4W, 5%	LK5209	LK5209A
Resistor - 10K, 1/4W, 5%	LK5203	LK5203A
Resistor - 15K, 1/4W, 5%	LK6213	
Resistor - 22K, 1/4W, 5%	LK6211	
Resistor - 33K, 1/4W, 5%	LK5201	LK5201A
Resistor - 50K, 1/4W, 5%	LK6231	
Resistor - 100K, 1/4W, 5%	LK5218	LK5218A
Resistor - 150K, 1/4W, 5%	LK6212	
Resistor - 200K, 1/4W, 5%	LK6238	
Resistor - 270K, 1/4W, 5%	LK5204	LK5204A
Resistor - 330K, 1/4W, 5%	LK6201	
Resistor - 500K, 1/4W, 5%	LK6232	
Resistor - 1M, 1/4W, 5%	LK6200	
Resistor - 1.5M, 1/4W, 5%	LK5210	
Resistor - 10M, 1/4W, 5%	LK6233	
Resistor - Rx	LK5252	LK5252A
Resistor - variable, 25 ohm	LK5212	
Resistor - variable, 25 ohm	LK4101	
100R resistor with markers	LK6631	
Resistor - variable, 250 ohm	LK5208	LK5208A
Resistor - variable, 1K	LK4034	
Resistor - variable, 10K	LK5214	LK5214A
Resistor - variable, 10K	LK6630	
Resistor - variable, 100K	LK5219	
Resistor - variable, 1M	LK5213	
Set voltage module	LK6235	
Thermistor A - KR471CY	LK5401	
Thermistor B - 472CW	LK5402	
Voltage dependant resistor - V12ZA2P	LK4121	
LDR (ORP12) on small carrier	LK5144	

Inductors

Description	Part No
Choke, 5 mH	LK6214R3
Choke, 10 mH	LK6214R1
Choke, 47 mH	LK6214R2
Choke, 68 mH	LK6215
Transformer - 2:1 turns ratio	LK4123
Ferrite rod carrier	LK4021
Oscillator coil carrier	LK6210

Semiconductors

Description	Part No
Diode (OA91)	LK5242
Diode (IN4001) Power 50V	LK5243
Diode (IN4004)	LK5245
Diode (IN4148)	LK5249
Zener diode (4.7V)	LK5247
Zener diode (6.8V)	LK5253
Zener diode (8.2V)	LK5254
Schottky diode IN5818	LK8000
Photodiode (SFH217)	LK7361
Bridge rectifier module (1A)	LK5265
Bridge rectifier (1N4001)	LK5266
Transistor LHF - NPN	LK5241
Transistor LHF - PNP	LK5256
Transistor RHF - NPN	LK5240
Transistor RHF - PNP	LK5255
Transistor - NPN (BC108)	LK7223
Transistor - PNP	LK4026
Transistor - unijunction (MU4891)	LK5246
Power transistor - NPN (BD135) 1.5A	LK6705
Power transistor, NPN (2N3055) 10A	LK7203
Transistor JGFET (2N5457)	LK5146
Transistor FET (2N3819)	LK7219
Power MOSFET transistor (BUK100-50GS)	LK8011
Diac - BR100/03 36V 2A	LK4050
Thyristor (SCR) 2N6237	LK5248
Triac - TIC206M	LK4051

Gates are available with either American National Standards Institute (ANSI) symbols or with Systems Block (SB) symbols i.e. a rectangle with the symbol for the gate. Note : ALL CMOS gates come complete with flying lead (either negative or positive) for power supply.

Logic gates - CMOS

Description	Part No SB	Part No ANSI
'AND' - 0V lead, spade connector	LK6870	
'AND' - +5V lead spade connector		LK6860
'NAND' - +5V lead spade connector	LK6873	LK6863
'NAND' - -0V lead spade connector	LK6880	LK6881
'NOR' - 0V lead spade connector	LK6882	LK6883
'NOR' - +5V lead spade connector	LK6874	LK6864
'NOT'	LK6872	LK6862
'OR' - +5V lead spade connector	LK6871	LK6861
'XOR' - +5V lead spade connector	LK6875	LK6865

Other digital integrated circuits and modules

Description	Part No
Flip-flop - horizontal carrier	LK6500
Flip-flop - vertical carrier	LK6501
Buffer - tristate (2mm connectors for signals)	LK6708

Modules and system blocks

Description	Part No
Systems block pulse generator	LK6835
Systems block pulse generator - single pulse	LK6502
Systems block latch	LK6833
Systems block input control	LK6830
Systems block transistor switch (2N3904)	LK6831
Systems block transducer driver	LK6832
Systems block bar graph module	LK7249
Systems block display decoder - 7-segment	LK6503
Systems block non-inverting amplifier with gain adj.	LK6836
Systems block comparator	LK6837
Systems block motor	LK6840
Systems block relay, 6V 10A	LK6839
Amplifier - AF - with 2mm connectors	LK7234
Systems block counter / display	LK6834
Demodulator	LK7231
555 timer	LK6300
Power MOSFET module (310412)	LK6888

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Component guide

Miscellaneous	
Description	Part No
Connecting Link	LK5250
Crossover link	LK5251
Fuse /universal component carrier	LK7936
Sampler	LK5290

Analogue integrated circuits and components	
Description	Part No
Op Amp module (TL081)	LK6234
Op Amp module (LM10)	LK6704
Op Amp with offset adjustment	LK4035
Voltage regulator (7805)	LK7208

Electromechanical	
Description	Part No
Motor - 3/6V D.C., 0.7A	LK6706
Motor - open frame, 6V, large carrier	LK4102
Motor - open frame, 6V, small carrier	LK6712
Relay 12V 10A (transparent case)	LK5280
Stepper motor	LK4322
Low power solar motor	LK4663
Relay 6V 10A (transparent case)	LK5403
Relay 6V 10A changeover	LK7889
Changeover reed relay	LK4103
Relay - reed	LK5405
Relay - reversing	LK7890
Switch, on/off	LK6633
Switch, opto	LK6707
Switch Press (morse key-type strip, push to make)	LK6207
Switch, reed	LK5404
Switch, reversing	LK6632
Switch, toggle (SPCO)	LK6224
Solenoid	LK6838
Switch, changeover	LK6208
Microswitch	LK6634
Switch on/off (stay put, sideways swivel strip)	LK6209
Buzzer (6V, 15 mA)	LK6423

Optoelectronic and lights/lamps	
Description	Part No
Automotive lampholder	LK5287
Lampholder	LK5291
LED - red, 12V	LK6430
LED - yellow, 12V	LK6431
LED - green, 12V	LK6432
LED - red, 5V	LK6635
LED - green, 5V	LK6636
LED - yellow, 5V	LK6637
Solar cell	LK7746

Leads	
Description	Part No
Lead - black - 320mm, 4mm to croc clip	LK5297
Lead - red - 2mm plug to 4mm plug	LK8912
Lead - red and black - 600mm, 4mm to croc clip	LK5570
Lead - black - 100mm, 4mm to 4mm stackable	LK5597
Lead - red - 100mm, 4mm to 4mm stackable	LK5598
Lead - red - 320mm, 4mm to croc clip	LK5298
Lead - red - 500mm, 4mm to 4mm stackable	LK5603
Lead - black - 500mm, 4mm to 4mm stackable	LK5604
Lead - yellow - 500mm, 4mm to 4mm stackable	LK5607
Lead - blue - 500mm, 4mm to 4mm stackable	LK5609
Lead - black - 2mm to 4mm plug	LK8329
General purpose lead set (LK5603 x 2, LK5604 x 2)	LK8022

Processor modules	
Description	Part No
USB reprogrammable PICmicro microcontroller	LK4690
MIAC controller	MI0235
Cased MIAC with 4mm shrouded sockets	MI0245
USB2 high speed A to mini B lead	HPUAB

Non carrier products	
Description	Part No
MES bulb, 2.5V, 0.2A	LK2341
MES bulb, 6V, 0.04A	LK2347
MES bulb, 6.5V, 0.3A	LK2350
MES bulb, 14V, 0.06A	LK2363
Locktronics current probe	LK5100
MES bulb, 12V, LED, red	LK6749
MES bulb, 12V, LED, yellow	LK6822
MES bulb, 12V, LED, white	LK6841

Power supplies	
Description	Part No
AC power supply for Locktronics - Europe	LK1001
AC power supply for Locktronics - USA	LK1002
Power supply carrier with voltage source symbol	LK7461
Adjustable power supply with voltage source symbol carrier	LK7771
Power supply carrier with battery symbol	LK8275
Adjustable power supply with battery symbol carrier	LK9218

Blank carriers	
Description	Part No
Blank carrier - large (Pack of 10)	LK5900
Blank carrier - small (Pack of 20)	LK5800
Blank DIN resistor carrier	LK7215
Blank capacitor carrier	LK7216
Blank diode carrier	LK8013
Blank electrolytic capacitor carrier	LK7217
Blank NPN transistor carrier	LK7218

Baseboards and spares	
Description	Part No
8 x 3 pillars	LK0500
7 x 5 pillars	LK8900
4 x 4 pillars with battery holders	LK3000
Pillar and bolt	LK3293
Battery contact spring	LK3288
Battery retaining clip	LK8615

Packaging and storage	
Description	Part No
Deep tray	HP5540
Tray lid	HP4039
62mm daughter tray	HP9564
Daughter tray foam insert	HP7750
9 Deep tray trolley	HP2025Q



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