

Part	Main Board Amount	Panel Board Amount	Package	Type	Supplier	Part Number
<b>Resistors</b>				1/2W or better for all if you can		P/N is a guide only
10R	2	0	1/4W size	recommended 500mW 5%	Element 14	2329993
200R	1	3	1/4W size	recommended 500mW 1%	Element 14	2330059
220R	8	6	1/4W size	recommended 500mW 1%	Element 14	2330065
240R	1	0	1/4W size	recommended 500mW 1%	Element 14	2330073
300R	0	7	1/4W size	recommended 500mW 1%	Element 14	2330100
470R	1	1	1/4W size	recommended 500mW 1%	Element 14	2330156
680R	0	1	1/4W size	minimum 250mW, 1%	Element 14	2330205
820R	1	0	1/4W size	minimum 250mW, 1%	Element 14	2330226
1K	1	9	1/4W size	minimum 250mW, 1%	Element 14	2330035
1K6	1	0	1/4W size	minimum 250mW, 1%	Element 14	2330043
4K7	19	10	1/4W size	minimum 250mW, 1%	Element 14	2330165
10K	10	0	1/4W size	minimum 250mW, 1%	Element 14	2329990
22K	3	0	1/4W size	minimum 250mW, 1%	Element 14	2330068
100K	28	1	1/4W size	minimum 125mW, 1%	Element 14	2329987
330K	2	0	1/4W size	minimum 125mW, 1%	Element 14	2330107
1M	1	1	1/4W size	minimum 125mW, 5%	Element 14	2330049
<b>Capacitors</b>						
10nF	3	0	C050-025x075	10nF MKT or Ceramic Cap	Element 14	1166078
100nF	10	0	C050-025x075	100nF MKT or Ceramic Cap	Element 14	1215508
1uF (film)	2	0	C050-055x075	1000nF MKT/MKS/MKP Cap	Element 14	1006040
1uF (electrolytic)	1	0	E2.5-5	1uF Electrolytic Cap	Element 14	1167925
10uF 16V	5	0	E2.5-5	10uF Electrolytic Cap	Element 14	1666097
100uF 16V	3	0	E2.5-6	100uF Electrolytic Cap	Element 14	1167962
<b>Semiconductors</b>						
3mm LED	0	44	3MM	4-10mcd RED, with flange 640-700nm 60 deg	Mouser	859-LTL-4221
1N4004	5	0	DO41	Rectifier Diode	Element 14	9565027
1N4148	2	104	DO35	Small Signal Diode	Element 14	2675146
1N4741	0	1	DO41	11V Zener Diode	Element 14	1789492
BC558	14	0	TO-92	PNP BJT	Element 14	2453806
<b>Integrated Circuits</b>						
16MHz Osc	3	0	ZZT-THM	ZZT Oscillator & Capacitors	Mouser	520-ZTT1600MX
6N137	1	0	8 Pin DIL	High Speed Optocoupler	Mouser	512-6N137M
NE555	1	0	8 Pin DIL	555 Timer	Mouser	595-NE555P
NE556	1	0	14 Pin DIL	Dual 555 Timer	Mouser	595-NE556N
TL072	1	0	8 Pin DIL	Dual JFET Op Amp	Mouser	595-TL072CP
LM1458	1	0	8 Pin DIL	Dual NPN BJT Op Amp	Mouser	926-LM1458N/NOPB
4016N	1	0	14 Pin DIL	Quad Analog Switch	Mouser	595-CD4016BE
ULN2003AN	2	0	16 Pin DIL	NPN driver array	Mouser	595-ULN2003AN
74HC08	9	0	14 Pin DIL	Quad AND Gate	Mouser	595-SN74HC08N
74HC32	1	0	14 Pin DIL	Quad OR Gate	Mouser	595-SN74HC32N
LM7805	1	0	TO-220	+5V Regulator	Mouser	512-LM7805CT

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LM317T	1	0	TO-220	Variable +V Regulator	Mouser	512-LM317T
<b>Miscellaneous</b>						
IC Socket 8 Pin	4	0	8 Pin DIL	IC Socket	Mouser	571-1-2199298-2
IC Socket 14 Pin	12	0	14 Pin DIL	IC Socket	Mouser	571-1-2199298-3
IC Socket 16 Pin	2	0	16 Pin DIL	IC Socket	Mouser	571-1-2199298-4
IC Socket 28 Pin	1	0	28 Pin DIL	IC Socket (7.36mm Spacing)	Mouser	571-1-2199298-9
IC Socket 40 Pin	2	0	40 Pin DIL	IC Socket (15.24mm spacing)	Element 14	1183580
<b>Knobs</b>						
Davies Clone	0	24	1900H	Davies Clone 1900H White	Tayda	A-4564
Davies Clone	0	1	1510	Davis Clone 1510 White	Tayda	A-647
<b>Below this line are parts provided in the RLD Partial Kit</b>						
<b>Potentiometers</b>						
1KB Single Pot	0	12	PTV09A	Song Huei Integrated Shaft Pot	SONG HUEI	R0904N 1KB
10KB Dual Pot	0	12	RK09L	Alpha RK09L1240A12	Mouser	688-RK09L1240A12
10KB Single Pot	0	12	RK09L	Alpha RK09L1140A2U	Mouser	688-RK09L1140A2U
50KB Single Pot	0	1	PTV09A	Song Huei Integrated Shaft Pot	Thonk	R0904N 50KB
500KA Single Pot	0	2	PTV09A	Song Huei Integrated Shaft Pot	Thonk	R0904N 500KA
<b>Switches</b>						
ON-OFF-ON	0	46	Toggle	Multicomp, Toggle centre off	Element 14	1MS3T1B5M1QE
ON-ON	0	7	Toggle	Multicomp, Toggle on/on	Element 14	1MS1T1B5M1QE
(ON)-OFF-(ON)	0	1	Toggle	Multicomp, Toggle momentary	Element 14	1MS4T1B5M1QE
8 Position Switch	0	1	-	12 Position, 1 Gang, Rotary	Altronics	S3021
				Alternative Supplier	Jaycar	SR1210
				Alternative Supplier	Mouser	105-SR2612F-12-38S
<b>Connectors</b>						
10 Pin IDC Socket	1	0	ML10	Amphenol 10 Pin IDC Socket	Element 14	2215304
3 Pin R/A Header	4	0	KK	Right Angle Header	Jaycar	HM3423
3 Pin Plug	0	3	KK	Free Hanging, Crimp Plug	Jaycar	HM3403
10 Pin SIP	3	0	1x10 pin	40pin Single Row Pin Header	Tayda	A-197
12 Pin SIP	(2)	0	1x12 pin	Cut down the 40 pin version		
16 Pin SIP	(3)	0	1x16 pin	Cut down the 40 pin version		
10 Pin SIS	0	3	1x10 socket	Single Inline Socket	Tayda	A-1306
12 Pin SIS	0	(2)	1x12 socket	Cut down the 16 pin version		
16 Pin SIS	0	5	1x16 socket	Single Inline Socket	Tayda	A-1308
Mono Jack	0	20	Thonkiconn	Inline Mono Jack Vertical	Erthenvar	3.5mm Inline Jacks
Hex Nut	0	20	-	Hex Nut for Inline Jack	Erthenvar	3.5mm Hex Nuts
MIDI Socket	0	3	-	5 Pin DIN Socket	Jaycar	PS0348
M3 Screws 12mm	0	6	M3	12mm Clear Nylon	Jaycar	HP0140
M3 Screws 6mm	3	3	M3	6mm M3 Metal	Jaycar	HP0400
M3 Standoffs	6	0	M3	12mm Standoff	Jaycar	HP0924
M3 Nut	0	6	M3	M3 Nut	Jaycar	HP0426

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<b>Below this line are parts provided in all RLD Kits</b>						
<b>Picaxe 40X2</b>	2		40 Pin DIL	Processor (Trig Seq, CV Seq)	<b>GOLT!</b>	
<b>Picaxe 28X2</b>	1		28 Pin DIL	Processor (Clock Control)	<b>GOLT!</b>	
<b>RLD Panel</b>	1			84HP Panel	<b>GOLT!</b>	
<b>Panel Board</b>	1			V2.5.x	<b>GOLT!</b>	
<b>Main Board</b>	1			V2.5.x	<b>GOLT!</b>	
<b>Box</b>	1			450 x 160 x 100mm	<b>GOLT!</b>	
<b>BOM Revision</b>	V2.5.04					