

	PART	QUANTITY	DESCRIPTION
<b>Diodes</b>			
1	1N4148	18	1N4148
2	1N4728 3V3	1	ZENER DIODE 3,3V
3	1N4734 5V6	2	ZENER DIODE
4	LED DIODE 3mm GREEN	3	LED DIODE
5	LED DIODE 3mm RED	1	LED DIODE
<b>TRANSISTORS</b>			
6	BS170	3	TO92 FET TRANSISTOR
7	BC546	7	TO92 NPN TRANSISTOR
8	BC556	6	TO92 PNP TRANSISTOR
9	BDX54	1	PNP HIGH GAIN TO220 BJT TRANSISTOR
<b>INTEGRATED CIRCUITS</b>			
10	7805	2	TO220 5V/1A POSITIVE VOLTAGE STABILIZER
11	LM3940IT-3.3	1	TO220 3.3V/1A POSITIVE VOLTAGE STABILIZER
12	LM317LZ	2	TO92 100mA ADJUSTABLE POSITIVE VOLTAGE STABILIZER
13	LM335Z	1	PRECISION TEMPERATURE SENSOR TO92
14	LM358N	1	OP AMP
15	LM741	2	PDIP8 OP AMP
16	THAT-1512	2	Low noise op-amp
17	Si570 SILICON LABS	1	Si570 BBC000141DGLVDS
18	74LVC74D	1	SO14 SMT
19	74LVC4066D	2	SO14 SMT
20	ULN2003AN	2	PDIP16
21	ERA-4XSM+	2	ERA-4XSM+ MINICIRCUITS
22	74HC04N	1	PDIP14
23	HC4028N	1	PDIP 16
24	NE5532P(NE5532AN)	5	PDIP8 2 X LOW NOISE OP AMP TEXAS, FAIRCHILD,PHILIPS
25	PIC18F4550-I/P	1	PIC MICROPROCESSOR PIC18F4550-I/P 40PIN PDIP
26	74HC4060N	1	PDIP16
27	74HC00N	1	PDIP14
<b>CRYSTAL</b>			
28	16MHz XTAL	1	CRYSTAL HC49
29	58.180kHz XTAL	1	CRYSTAL HC49
<b>SMT CAPACITORS 0805</b>			
30	10nF SMT 0805	12	MULTILAYER CERAMIC SMT 0805 CAPACITOR 50V
<b>NON-POLARIZED CAPACITORS</b>			
31	10uF	5	NONPOLARIZED ELECTROLYTIC CAPACITOR ( marked with "NP")
<b>ELECTROLYTIC CAPACITORS</b>			
32	1uF/35V	1	ELECTROLYTIC CAPACITOR RADIAL DIAM 5mm MAX
33	10uF/25V ILI 35V	1	ELECTROLYTIC CAPACITOR RADIAL DIAM 7mm MAX
34	100uF/25V	36	ELECTROLYTIC CAPACITOR RADIAL DIAM 7mm MAX
35	220uF/25V	3	ELECTROLYTIC CAPACITOR RADIAL DIAM 7mm MAX
36	1000uF/25V	1	ELECTROLYTIC CAPACITOR RADIAL DIAM 14 mm MAX

<b>MULTI-LAYER CERAMIC CAPACITORS 50V</b>			
37	1 nF (102)	2	MULTILAYER CERAMIC CAPACITOR 50V X7R
38	1,5nF (152)	1	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
38	1,8nF (182)	2	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
40	2,2nF (222)	1	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
41	3,9nF (392)	2	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
42	4,7nF (472)	1	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
43	10nF (103)	7	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5 mm
44	100nF (104)	105	MULTILAYER CERAMIC CAPACITOR 50V X7R RASTER 5mm
<b>METALIZED POLYESTER CAPACITORS USM ( reddish-brown )</b>			
44	180pF (181)	2	METALIZED POLYESTER
45	1nF (102)	5	METALIZED POLYESTER
46	2,7nF (272)	6	METALIZED POLYESTER
47	10nF (103)	11	METALIZED POLYESTER
48	100nF (104)	6	METALIZED POLYESTER
<b>CERAMIC NPO CAPACITORS 100V</b>			
49	4,7pF (4R7)	6	CERAMIC CAPACITOR NPO 100V RASTER 5mm
50	12pF (120)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
51	15pF (150)	1	CERAMIC CAPACITOR NPO 100V RASTER 5mm
52	18pF (180)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
53	22pF (220)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
54	33pF (330)	3	CERAMIC CAPACITOR NPO 100V RASTER 5mm
55	47pF (470)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
56	56pF (560)	4	CERAMIC CAPACITOR NPO 100V RASTER 5mm
57	68pF (680)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
58	82pF (820)	5	CERAMIC CAPACITOR NPO 100V RASTER 5mm
59	100pF (101)	4	CERAMIC CAPACITOR NPO 100V RASTER 5mm
60	150pF (151)	9	CERAMIC CAPACITOR NPO 100V RASTER 5mm
61	220pF (221)	4	CERAMIC CAPACITOR NPO 100V RASTER 5mm
62	330pF (331)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
63	390pF (391)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
64	470pF (471)	2	CERAMIC CAPACITOR NPO 100V RASTER 5mm
65	680PF (681)	3	CERAMIC CAPACITOR NPO 100V RASTER 5mm
66	820pF (821)	4	CERAMIC CAPACITOR NPO 100V RASTER 5mm
<b>TRIMMING POTENTIOMETER</b>			
67	500R POT	1	TRIMMING POTENTIOMETER TYPE BURNS 3296Y
68	5K POT	4	TRIMMING POTENTIOMETER TYPE BURN 3296Y
69	10K POT	1	TRIMMING POTENTIOMETER TYPE BURNS 3296Y

**INDUCTORS**

	470nH	1	MOLDED AXIAL LEADED INDUCTOR - yellow violet silver silver
70	150nH	1	MOLDED AXIAL LEADED INDUCTOR - brown green silver gold
71	180nH OR 220nH	4	MOLDED AXIAL LEADED INDUCTOR - brown gray silver or red red silver gold
72	330nH	3	MOLDED AXIAL LEADED INDUCTOR - orange orange silver gold
73	680nH	3	MOLDED AXIAL LEADED INDUCTOR - blue gray silver silver
74	1uH	3	MOLDED AXIAL LEADED INDUCTOR - brown black gold silver
75	1,2uH	4	MOLDED AXIAL LEADED INDUCTOR - brown red gold silver
76	2,2uH	3	MOLDED AXIAL LEADED INDUCTOR - red red gold silver
77	3,9uH	3	MOLDED AXIAL LEADED INDUCTOR - orange white gold silver
78	4,7uH	1	MOLDED AXIAL LEADED INDUCTOR - yellow violet gold gold
79	5,6uH	1	MOLDED AXIAL LEADED INDUCTOR - green blue gold gold
80	8,2uH	3	MOLDED AXIAL LEADED INDUCTOR - gray red gold silver
81	47uH	14	MOLDED AXIAL LEADED INDUCTOR - yellow violet black silver

**POWER RESISTORS**

82	20R/2W	2	RESISTOR RASTER 15mm DIAM. 3.7mm
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**METAL FILM RESISTORS 0.25W**

83	56R	1	METAL FILM RESISTOR 0.25W 1% AXIAL
84	1R	6	METAL FILM RESISTOR 0.25W 1% AXIAL
85	10R	5	METAL FILM RESISTOR 0.25W 1% AXIAL
86	22R	1	METAL FILM RESISTOR 0.25W 1% AXIAL
87	33R	10	METAL FILM RESISTOR 0.25W 1% AXIAL
88	68R	2	METAL FILM RESISTOR 0.25W 1% AXIAL
89	82R	12	METAL FILM RESISTOR 0.25W 1% AXIAL
90	100R	14	METAL FILM RESISTOR 0.25W 1% AXIAL
91	180R	1	METAL FILM RESISTOR 0.25W 1% AXIAL
92	220R	5	METAL FILM RESISTOR 0.25W 1% AXIAL
93	270R	4	METAL FILM RESISTOR 0.25W 1% AXIAL
94	330R	5	METAL FILM RESISTOR 0.25W 1% AXIAL
95	470R	1	METAL FILM RESISTOR 0.25W 1% AXIAL
96	560R	4	METAL FILM RESISTOR 0.25W 1% AXIAL
97	1K	20	METAL FILM RESISTOR 0.25W 1% AXIAL
98	2,2K	8	METAL FILM RESISTOR 0.25W 1% AXIAL
99	2,7K	6	METAL FILM RESISTOR 0.25W 1% AXIAL
100	3,3K	3	METAL FILM RESISTOR 0.25W 1% AXIAL
101	4,7K	22	METAL FILM RESISTOR 0.25W 1% AXIAL
102	5,6K	1	METAL FILM RESISTOR 0.25W 1% AXIAL
103	10K	34	METAL FILM RESISTOR 0.25W 1% AXIAL
104	47K	4	METAL FILM RESISTOR 0.25W 1% AXIAL
105	100K	8	METAL FILM RESISTOR 0.25W 1% AXIAL

<b>RELAYS</b>			
106	12V/1A RELAY	14	DPDT 12v coil 1A
<b>IC SOCKET</b>			
107	DIL 40 SOCKET	1	40 Pin DIL SOCKET
<b>AUDIO 3,5MM CONNECTORS</b>			
108	3,5mm AUDIO JACK	8	3,5mm AUDIO JACK PCB MOUNT
<b>BNC CONNECTORS</b>			
109	BNC	2	BNC METAL R/A PCB MOUNT
<b>DC CONNECTORS</b>			
110	PCB CONNECTOR DC BARREL 2,5MM	1	2.5mm
<b>USB CONNECTORS</b>			
112	USB B-PCB-R	1	USB B-PCB-R
<b>NYLON CONNECTORS WITH CRIMP PINS [MALE + FEMALE]</b>			
113	2PIN MALE	14	CON 2 PIN WITH LOCKING RAMP 0.1" SPACING
114	2PIN FEMALE	14	CON 2 PIN WITH LOCKING RAMP 0.1" SPACING
115	3PIN MALE	7	CON 3 PIN WITH LOCKING RAMP 0.1" SPACING
116	3PIN FEMALE	6	CON 3 PIN WITH LOCKING RAMP 0.1" SPACING
117	4PIN MALE	3	CON 4 PIN WITH LOCKING RAMP 0.1" SPACING
118	4PIN FEMALE	2	CON 4 PIN WITH LOCKING RAMP 0.1" SPACING
119	Connector Pins	56	
<b>WIRE</b>			
123	Ribbon Cable	0.5m	16 conductor
125	COPPER WIRE 0.8mm	15cm	
<b>PCB</b>			
126	G59 MK2 PCB	1	Double layer 219mm x 185mm