

Item Description	Schematic Reference Number	Value and Type	Manufacturer or Equivalent
Capacitors 'C'	12,13,14,15,24,26,27,29,30,32,34,37,38,39,40,52,57,60,62,63,65,67,68,71,72,73,77,79,80,82,89,90,91,116,117,118,120,121,122,124	0.1UF 50V CHIP CAP 10% 0805 X7R	Kyocera 08055C104KAT2A or Equivalent.
Capacitors 'C'	3,4,43,53,55	1nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A102JAT2A or Equivalent.
Capacitors 'C'	36,75,76,78,81,83,88	1uf 50V CHIP 10% CAP 0805 X7R	Kyocera 08055C105KAT2A or Equivalent.
Capacitors 'C'	42,46,49,50	2.2nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A272JAT2A or Equivalent.
Capacitors 'C'	44,51,54	2.7nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A272JAT2A or Equivalent.
Capacitors 'C'	11	4.7nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A472JAT2A or Equivalent.
Capacitors 'C'	69	6.8nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A682JAT2A or Equivalent.
Capacitors 'C'	61	10nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A103JAT2A or Equivalent.
Capacitors 'C'	5,6,21,94,100,103,104,105,106,115	22pf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A220JAT2A or Equivalent.
Capacitors 'C'	58,59	47nf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A473JAT2A or Equivalent.
Capacitors 'C'	84,85	100pf 50V CHIP CAP 5% 0805 High-Q	Kyocera 08055A101JAT2A or Equivalent.
Capacitors 'C'	1,2,25,28,108,109,110	100pf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A101JAT2A or Equivalent.
Capacitors 'C'	41,48	120pf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A121JAT2A or Equivalent.
Capacitors 'C'	8,7	220pf 50V CHIP CAP 5% 0805 NPO	Kyocera 08055A221JAT2A or Equivalent.
Capacitors 'C'	10,56,119,123	10uf, 35V Aluminum Electrolytic Polarized	Panasonic ECE-V1VA100NP
Ferrite Beads 'FB'	1,2,5,6,9,10,11,12,13,14,15,16,17,18	1.6uH SMD 0805	Murata BLM21AG102SN1D or Equivalent.
Transistors 'Q'	2,3,4,5	MMBT3906LT1G PNP SOT-23	Fairchild MMBTA56 or Equivalent.
DSP 'U'	10	AD1953 48-Pin LQFP	Analog Devices AD1953YSTRL
ADC 'U'	9	CS5340 16pin TSSOP	Cirrus Logic CS5340-CZZR
CPU 'U'	11	89LP4052 20pin SOIC	ATMEL AT89LP4052-20SI
XTAL 'U'	12	12.288MHZ XTAL Oscillator Module @ 5V	Citizen CSX-750FCC12.288000MTR
Op-Amps 'U'	1,3,4,5,6,7,8,14	OP AMP DUAL SO-8pin MC33078	Texas Instruments MC33078DR or Equivalent.
Diodes 'D'	3,4,5,6,7,9,10,12	MMBD914 Switching Diode SOT-23	Fairchild MMBD914 or Equivalent.
Resistors 'R'	41,42,43,70,77,81,86,87,117,118,119,120,122	1.00KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF1001V or Equivalent.
Resistors 'R'	55,62	1.5KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF1501V or Equivalent.
Resistors 'R'	1,2,22	2.49KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2491V or Equivalent.
Resistors 'R'	54,60	2.80KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2801V or Equivalent.
Resistors 'R'	114	2.94KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2941V or Equivalent.
Resistors 'R'	13,14,37,58,64,108,109,137,151	4.99KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF4991V or Equivalent.
Resistors 'R'	80	10.0 OHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF10R0V or Equivalent.
Resistors 'R'	29,144	12.4KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF1242V or Equivalent.
Resistors 'R'	107	15.0KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF1502V or Equivalent.
Resistors 'R'	16,49,68,110	20.0KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2002V
Resistors 'R'	85,152,153,154	22.0 OHM 1/8W 1% 0805 SMD	Panasonic ERJ-6GEYJ220V
Resistors 'R'	30,32,48,93,133,142,143,148	24.9KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2492V
Resistors 'R'	3,4,26,28	25.5KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF2552V
Resistors 'R'	5,6,18,20,23,33,79,131,140,146	49.9KOHM 1/8W 1% 0805 SMD	Panasonic ERJ-6ENF4992V

