

Updated 11/6/07

Part Type	Part Value	Quantity	Vendor	Vendor Part Number	Minimum Order Quantity	Price Per Unit (USD)	Order Total (USD)	Comments	Availability/Lead Time	Package Type
Capacitor	10pF	2	Mouser	80-C317C100J2G	1	0.19	0.38	Conformally Coated Radial Ceramic Capacitors C315 10pF 200volts C0G 5%	Immediate	-
Capacitor	100pF	4	Mouser	80-C322C101J2G	1	0.21	0.84	Conformally Coated Radial Ceramic Capacitors C322 100pF 200volts C0G 5%	Immediate	-
Capacitor	1nF	4	Mouser	80-C317C102J1G	1	0.24	0.96	Conformally Coated Radial Ceramic Capacitors C317 1000pF 100volts C0G 5%	Immediate	-
Capacitor	10nF	2	Mouser	80-C330C103J2G	1	0.93	1.86	Conformally Coated Radial Ceramic Capacitors C330 0.01uF 200volts C0G 5%	Only 241 available immediately	-
Capacitor	33nF	2	Mouser	80-C320C333J5R5CA	1	0.29	0.58	Conformally Coated Radial Ceramic Capacitors .033uF 50 Volts 5% X7R	Only 293 available immediately	-
Capacitor	100nF	12	Mouser	80-C420C104J5R	1	0.19	2.28	Conformally Coated Axial Ceramic Capacitors C420 0.1uF 50volts X7R 5%	Immediate	-
Capacitor	220nF	4	Mouser	80-C322C224J5R	1	0.59	2.36	Conformally Coated Radial Ceramic Capacitors C322 0.22uF 50volts X7R 5%	Immediate	-
Capacitor	0.1uF	1	Digikey	399-4610-ND	1	0.74	0.74	Tantalum, 10%, 50V, Axial	Only 315 available immediately	-
Capacitor	0.47uF	1	Digikey	399-4614-ND	1	0.87	0.87	Tantalum, 10%, 50V, Axial	Only 798 available immediately	-
Capacitor	1uF	4	Digikey	399-4616-ND	1	0.96	3.84	Tantalum, 10%, 50V, Axial	Only 1,202 available immediately	-
Capacitor	10uF	1	Digikey	399-4622-ND	1	4.54	4.54	Tantalum, 10%, 50V, Axial	Only 757 available immediately	-
Potentiometer	20k	2	Mouser	531-PT6KV-20K	1	0.28	0.56	Trimmer Pot., 20Kohms, 6mm, Rnd, Top adj	Immediate	-
Resistor	100	1	Digikey	100XBK-ND	5	0.098	0.098	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	1k	2	Digikey	1.00KXBK-ND	5	0.098	0.196	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	200k	1	Digikey	200KXBK-ND	5	0.098	0.098	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	2.2k	16	Digikey	2.21KXBK-ND	5	0.098	1.568	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	7.5k	2	Digikey	CMF7.50KQFCT-ND	1	0.29	0.58	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	8.2k	2	Digikey	P8.20KCACT-ND	10	0.171	0.342	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	10k	4	Digikey	10.0KXBK-ND	5	0.098	0.392	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	15k	2	Digikey	15.0KXBK-ND	5	0.098	0.196	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	100k	4	Digikey	100KXBK-ND	5	0.098	0.392	0.25 Watt, 1% tolerance, Axial	Immediate	-
Resistor	1Meg	4	Digikey	1.00MXBK-ND	5	0.098	0.392	0.25 Watt, 1% tolerance, Axial	Immediate	-
NPN Transistor	BC547A	4	Mouser	512-BC547ABU	1	0.04	0.16	Small Signal Transistors NPN 45V 100mA	Immediate	TO-92
PNP Transistor	BC557A	4	Mouser	512-BC557ATA	1	0.05	0.2	Small Signal Transistors PNP -45V -100mA	Immediate	TO-92
Voltage Reference (2.5V)	REF3225	1	Mouser	595-REF3225AIDBVT	1	4.28	4.28	Voltage References 2.5V	Immediate	SOT-23-6
Instrumentation Amplifier	INA114/BB	2	Digikey	INA114AP-ND	1	8.34	16.68	Instrumentation Amp	Immediate	8-DIP
Precision Amplifier	TLC277/101/TI	4	Digikey	296-1828-5-ND	1	1.78	7.12	Precision Op-Amp	Immediate	8-DIP
Voltage Regulator	REG101UA-5	1	Digikey	REG101UA-5-ND	1	2.38	2.38	Voltage Regulator 5V	Only 1,688 available immediately	8-SOIC

Total Number of Components	93
Total Cost of Components	\$ 54.88