

Loop Board BOM

Item	Reference	Qty	Pop	Manufacturer	Part Number	Description	Distributor	Stock Number	Value	Modifier	Cost@1	Extended
1	C5-7	3	1	AVX Corporation	08055C104KAT2A	Capacitor, Ceramic, 0.1uF, 50V, 10%, X7R, 0805	Digi-Key	478-1395-1-ND	0.1uF	50V	\$0.12	\$0.36
2	C3	1	1	AVX Corporation	08055C102KAT2A	Capacitor, Ceramic, 1nF, 50V, 10%, X7R, 0805	Digi-Key	478-1371-1-ND	1nF	50V	\$0.12	\$0.12
3	C1-2	2	1	AVX Corporation	08055C222KAZ2A	Capacitor, Ceramic, 2.2nF, 50V, 10%, X7R, 0805	Digi-Key	478-3543-1-ND	2.2nF	50V	\$0.33	\$0.66
4	C4	1	1	AVX Corporation	F920J225MPA	Capacitor, Tantalum, 2.2uF, 6.3V, 20%, 0805	Digi-Key	478-8118-1-ND	2.2uF	6.3V	\$0.37	\$0.37
5	J1-2	2	1	Würth Electronics Inc	61300811121	Connector, Header, 8-pos, 2.54	Digi-Key	732-5321-ND	1x8	0.1"	\$0.47	\$0.94
6	D1	1	1	Littelfuse Inc	SMAJ5.0A	Diode, TVS, 5VWMV, 9.2VC, 400W, SMA	Digi-Key	SMAJ5.0ALFCT-ND	5VWM	9.2VC	\$0.53	\$0.53
7	U1	1	1	Toshiba Semiconductor and Storage	TC7SZ17FU	IC, Schmitt Trigger-Buffer, Single, SOT23-5	Digi-Key	TC7SZ17FU(T5LJFTCT-ND	1.65V-5.5V	32mA Drive	\$0.59	\$0.59
8	D3	1	1	Rohm Semiconductor	SML-Z14PTT86A	LED, Green, 2V, 20mA, SMD	Digi-Key	511-1645-1-ND	Green	20mA	\$0.92	\$0.92
9	D2	1	1	Rohm Semiconductor	SML-Z14UTT86A	LED, Red, 1.9V, 20mA, SMD	Digi-Key	511-1646-1-ND	Red	20mA	\$1.05	\$1.05
10	T1	1	1	Custom wound transformer	12007-VG	RM core with bobbin and clamps					\$12.00	\$12.00
11	R8	1	1	Panasonic Electronic Components	ERJ-6GEYJ102V	Resistor, Thick Film, 1.0K, 0.125W, 5%, 0805	Digi-Key	P1.0KACT-ND	1K0	0.125W	\$0.13	\$0.13
12	R9	1	1	Panasonic Electronic Components	ERJ-6GEYJ104V	Resistor, Thick Film, 100K, 0.125W, 5%, 0805	Digi-Key	P100KACT-ND	100K	0.125W	\$0.13	\$0.13
13	R6-7	2	1	Panasonic Electronic Components	ERJ-6GEYJ221V	Resistor, Thick Film, 220, 0.125W, 5%, 0805	Digi-Key	P220ACT-ND	220R	0.125W	\$0.13	\$0.26
14	R2	1	1	Panasonic Electronic Components	ERJ-6GEYJ223V	Resistor, Thick Film, 22K, 0.125W, 5%, 0805	Digi-Key	P22KACT-ND	22K	0.125W	\$0.12	\$0.12
15	R1	1	1	Panasonic Electronic Components	ERJ-6GEYJ471V	Resistor, Thick Film, 470 Ohms, 0.125W, 5%, 0805	Digi-Key	P470ACT-ND	470R	0.125W	\$0.12	\$0.12
16	R4-5	2	1	Panasonic Electronic Components	ERJ-6GEYJ474V	Resistor, Thick Film, 470K, 0.125W, 5%, 0805	Digi-Key	P470KACT-ND	470K	0.125W	\$0.12	\$0.24
17	R3	1	1	Panasonic Electronic Components	ERJ-6GEYJ564V	Resistor, Thick Film, 560K, 0.125W, 5%, 0805	Digi-Key	P560KACT-ND	560K	0.125W	\$0.12	\$0.12
18	J3	1	1	TE Connectivity AMP Connectors	282834-2	Terminal, 2-pos, Side Ent, 2.54mm	Digi-Key	A98333-ND	150V	10A	\$1.18	\$1.18
19	Q1-2	2	1	Fairchild Semiconductor	MMBT3904	Transistor, General Purpose, NPN, SOT23	Digi-Key	MMBT3904FSCT-ND	40V	200mA	\$0.17	\$0.34
											TOTAL:	\$20.18