

Build Qnty

30

Cost each

\$49.95

Total Cost

\$1,498.52

Ref	Qnt Ea	Buy	Part	Part#	Manf	Supplier	Supplier Part#	Cost	Total Per	Link	Price Break
A1	1	30	Feather M4 Express	3857	Adafruit	Digi-key	1528-2648-ND	\$22.95	\$22.95	<a href="https://www.digikey.com/product-detail/en/3857/1528-2648-ND">https://www.digikey.com/product-detail/en/3857/1528-2648-ND</a>	1
U1,U2	2	60	Quad 2 to 1 analog mux	MAX4614CSD+	Maxim	Digi-key	MAX4614CSD+-ND	\$1.75	\$3.49	<a href="https://www.digikey.com/product-detail/en/MAX4614CSD+/MAX4614CSD+-ND">https://www.digikey.com/product-detail/en/MAX4614CSD+/MAX4614CSD+-ND</a>	25
U3	1	30	Dual Buffer,SOT23-6	SN74LVC2G17DBVT	TI	Digi-key	296-26621-1-ND	\$0.98	\$0.98	<a href="https://www.digikey.com/product-detail/en/SN74LVC2G17DBVT/296-26621-1-ND">https://www.digikey.com/product-detail/en/SN74LVC2G17DBVT/296-26621-1-ND</a>	10
U4	1	30	2 to 1 analog mux	MAX4624EUT+T	Maxim	Digi-key	MAX4624EUT+T	\$3.15	\$3.15	<a href="https://www.digikey.com/product-detail/en/MAX4624EUT+T/MAX4624EUT+T">https://www.digikey.com/product-detail/en/MAX4624EUT+T/MAX4624EUT+T</a>	25
U5	1	30	ESD Protection	DT2042-04SO-7	Diodes Inc.	Digi-key	DT2042-04SO-7DICT-ND	\$0.36	\$0.36	<a href="https://www.digikey.com/product-detail/en/DT2042-04SO-7/DT2042-04SO-7DICT-ND">https://www.digikey.com/product-detail/en/DT2042-04SO-7/DT2042-04SO-7DICT-ND</a>	10
U6	1	30	Authentication IC	ATECC608A-SSHDA-T	Microchip	Digi-key	ATECC608A-SSHDA-TCT-ND	\$0.81	\$0.81	<a href="https://www.digikey.com/product-detail/en/ATECC608A-SSHDA-T/ATECC608A-SSHDA-TCT-ND">https://www.digikey.com/product-detail/en/ATECC608A-SSHDA-T/ATECC608A-SSHDA-TCT-ND</a>	25
U7	1	30	Op Amp	MAX4321EUK+T	Maxim	Digi-key	MAX4321EUK+TCT-ND	\$1.64	\$1.64	<a href="https://www.digikey.com/product-detail/en/MAX4321EUK+T/MAX4321EUK+TCT-ND">https://www.digikey.com/product-detail/en/MAX4321EUK+T/MAX4321EUK+TCT-ND</a>	25
R1,R2,R3	3	100	100K resistor,5%,1206	RMCF1206JG100K	Stackpole	Digi-key	RMCF1206JG100KCT-ND	\$0.01	\$0.03	<a href="https://www.digikey.com/product-detail/en/RMCF1206JG100K/RMCF1206JG100KCT-ND">https://www.digikey.com/product-detail/en/RMCF1206JG100K/RMCF1206JG100KCT-ND</a>	100
R4,R7,R15,R16	4	120	10K resistor,1%,1206	RMCF1206FT10K0	Stackpole	Digi-key	RMCF1206FT10K0CT-ND	\$0.01	\$0.06	<a href="https://www.digikey.com/product-detail/en/RMCF1206FT10K0/RMCF1206FT10K0CT-ND">https://www.digikey.com/product-detail/en/RMCF1206FT10K0/RMCF1206FT10K0CT-ND</a>	100
R5,R8	2	100	6.8K resistor,1%,1206	RMCF1206FT6K80	Stackpole	Digi-key	738-RMCF1206FT6K80CT-ND	\$0.01	\$0.03	<a href="https://www.digikey.com/product-detail/en/RMCF1206FT6K80/RMCF1206FT6K80CT-ND">https://www.digikey.com/product-detail/en/RMCF1206FT6K80/RMCF1206FT6K80CT-ND</a>	100
R6,R9,R14	3	100	5.1K resistor,1%,1206	RMCF1206FT5K10	Stackpole	Digi-key	RMCF1206FT5K10CT-ND	\$0.01	\$0.04	<a href="https://www.digikey.com/product-detail/en/RMCF1206FT5K10/RMCF1206FT5K10CT-ND">https://www.digikey.com/product-detail/en/RMCF1206FT5K10/RMCF1206FT5K10CT-ND</a>	100
R11	1	30	3.65K resistor,.1%,1206	RT1206BRD073K65L	Yageo	Digi-key	YAG5071CT-ND	\$0.48	\$0.48	<a href="https://www.digikey.com/product-detail/en/RT1206BRD073K65L/YAG5071CT-ND">https://www.digikey.com/product-detail/en/RT1206BRD073K65L/YAG5071CT-ND</a>	10
R10	1	30	6.81K resistor,.1%,1206	RT1206BRD076K81L	Yageo	Digi-key	YAG2074CT-ND	\$0.48	\$0.48	<a href="https://www.digikey.com/product-detail/en/RT1206BRD076K81L/YAG2074CT-ND">https://www.digikey.com/product-detail/en/RT1206BRD076K81L/YAG2074CT-ND</a>	10
R12,R13	2	60	20K resistor,1%,1206	RMCF1206FT20K0	Stackpole	Digi-key	RMCF1206FT20K0CT-ND	\$0.04	\$0.07	<a href="https://www.digikey.com/product-detail/en/RMCF1206FT20K0/RMCF1206FT20K0CT-ND">https://www.digikey.com/product-detail/en/RMCF1206FT20K0/RMCF1206FT20K0CT-ND</a>	10
C1,C2,C4,C5,C6	5	150	.1uf Cap,1206	12061C104KAT4A	AVX Corp	Digi-key	478-10855-1-ND	\$0.07	\$0.33	<a href="https://www.digikey.com/product-detail/en/12061C104KAT4A/478-10855-1-ND">https://www.digikey.com/product-detail/en/12061C104KAT4A/478-10855-1-ND</a>	100
C3	1	30	10uf Cap,1206	C3216X7R1C106K160AC	TDK Corp	Digi-key	C3216X7R1C106K160AC	\$0.23	\$0.23	<a href="https://www.digikey.com/product-detail/en/C3216X7R1C106K160AC/C3216X7R1C106K160AC">https://www.digikey.com/product-detail/en/C3216X7R1C106K160AC/C3216X7R1C106K160AC</a>	10
K1,K2	2	60	DPDT Relay	EB2-5NU	Kemet	Digi-key	EB2-5NU	\$1.61	\$3.22	<a href="https://www.digikey.com/product-detail/en/EB2-5NU/EB2-5NU">https://www.digikey.com/product-detail/en/EB2-5NU/EB2-5NU</a>	50
P1,P2 (A1 Socket)	1	30	30 pin header socket	7-534237-8	AMP	Digi-key	A32917-ND	\$4.94	\$4.94	<a href="https://www.digikey.com/product-detail/en/7-534237-8/A32917-ND">https://www.digikey.com/product-detail/en/7-534237-8/A32917-ND</a>	10
D1	1	100	50V 1A Diode	S1A	On Semi	Digi-key	S1AFSCT-ND	\$0.16	\$0.16	<a href="https://www.digikey.com/product-detail/en/S1A/S1AFSCT-ND">https://www.digikey.com/product-detail/en/S1A/S1AFSCT-ND</a>	100
D2,D3,D4	3	100	Diode Array	BAS70-04-E3-18	Vishay	Digi-key	BAS70-04-E3-18GICT-ND	\$0.18	\$0.54	<a href="https://www.digikey.com/product-detail/en/BAS70-04-E3-18/BAS70-04-E3-18GICT-ND">https://www.digikey.com/product-detail/en/BAS70-04-E3-18/BAS70-04-E3-18GICT-ND</a>	100
Q1,Q2,Q3	3	100	MOSFET: N-Ch SOT-23	BSS806NH6327XTSA1	Infineon	Digi-key	BSS806NH6327XTSA1CT-ND	\$0.35	\$1.04	<a href="https://www.digikey.com/product-detail/en/BSS806NH6327XTSA1/BSS806NH6327XTSA1CT-ND">https://www.digikey.com/product-detail/en/BSS806NH6327XTSA1/BSS806NH6327XTSA1CT-ND</a>	100
	1	30	Terminal Strip	121205	Adels-Contact	Digi-key	2098-121205-ND	\$0.59	\$0.59	<a href="https://www.digikey.com/product-detail/en/121205/2098-121205-ND">https://www.digikey.com/product-detail/en/121205/2098-121205-ND</a>	25
	6	180	#4x3/8 Screw	PSMS 004 0038 PH	B&F Fastener Supply	Digi-key	H800-ND	\$0.09	\$0.54	<a href="https://www.digikey.com/product-detail/en/PSMS-004-0038-PH/H800-ND">https://www.digikey.com/product-detail/en/PSMS-004-0038-PH/H800-ND</a>	100
PC Board	1	30						\$3.80	\$3.80		10