	Build Qnty	Cost each	Total Cost
	30	$49.95	$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	https:	1
U1,U2	2	60	Quad 2 to 1 analog mux	MAX4614CSD+	Maxim	Digi-key	MAX4614CSD+-ND	$1.75	$3.49	https:	25
U3	1	30	Dual Buffer,SOT23-6	SN74LVC2G17DBVT	TI	Digi-key	296-26621-1-ND	$0.98	$0.98	https:	10
U4	1	30	2 to 1 analog mux	MAX4624EUT+T	Maxim	Digi-key	MAX4624EUT+T	$3.15	$3.15	https:	25
U5	1	30	ESD Protection	DT2042-04SO-7	Diodes Inc.	Digi-key	DT2042-04SO-7DICT-ND	$0.36	$0.36	https:	10
U6	1	30	Authentication IC	ATECC608A-SSHDA-T	Microchip	Digi-key	ATECC608A-SSHDA-TCT-ND	$0.81	$0.81	https:	25
U7	1	30	Op Amp	MAX4321EUK+T	Maxim	Digi-key	MAX4321EUK+TCT-ND	$1.64	$1.64	https:	25
R1,R2,R3	3	100	100K resistor,5%,1206	RMCF1206JG100K	Stackpole	Digi-key	RMCF1206JG100KCT-ND	$0.01	$0.03	https:	100
R4,R7,R15,R16	4	120	10K resistor,1%,1206	RMCF1206FT10K0	Stackpole	Digi-key	RMCF1206FT10K0CT-ND	$0.01	$0.06	https:	100
R5,R8	2	100	6.8K resistor,1%,1206	RMCF1206FT6K80	Stackpole	Digi-key	738-RMCF1206FT6K80CT-ND	$0.01	$0.03	https:	100
R6,R9,R14	3	100	5.1K resistor,1%,1206	RMCF1206FT5K10	Stackpole	Digi-key	RMCF1206FT5K10CT-ND	$0.01	$0.04	https:	100
R11	1	30	3.65K resistor,.1%,1206	RT1206BRD073K65L	Yageo	Digi-key	YAG5071CT-ND	$0.48	$0.48	https:	10
R10	1	30	6.81K resistor,.1%,1206	RT1206BRD076K81L	Yageo	Digi-key	YAG2074CT-ND	$0.48	$0.48	https:	10
R12,R13	2	60	20K resistor,1%,1206	RMCF1206FT20K0	Stackpole	Digi-key	RMCF1206FT20K0CT-ND	$0.04	$0.07	https:	10
C1,C2,C4,C5,C6	5	150	.1uf Cap,1206	12061C104KAT4A	AVX Corp	Digi-key	478-10855-1-ND	$0.07	$0.33	https:	100
C3	1	30	10uf Cap,1206	C3216X7R1C106K160AC	TDK Corp	Digi-key	C3216X7R1C106K160AC	$0.23	$0.23	https:	10
K1,K2	2	60	DPDT Relay	EB2-5NU	Kemet	Digi-key	EB2-5NU	$1.61	$3.22	https:	50
P1,P2 (A1 Socket)	1	30	30 pin header socket	7-534237-8	AMP	Digi-key	A32917-ND	$4.94	$4.94	https:	10
D1	1	100	50V 1A Diode	S1A	On Semi	Digi-key	S1AFSCT-ND	$0.16	$0.16	https:	100
D2,D3,D4	3	100	Diode Array	BAS70-04-E3-18	Vishay	Digi-key	BAS70-04-E3-18GICT-ND	$0.18	$0.54	https:	100
Q1,Q2,Q3	3	100	MOSFET: N-Ch SOT-23	BSS806NH6327XTSA1	Infineon	Digi-key	BSS806NH6327XTSA1CT-ND	$0.35	$1.04	https:	100
	1	30	Terminal Strip	121205	Adels-Contact	Digi-key	2098-121205-ND	$0.59	$0.59	https:	25
	6	180	#4x3/8 Screw	PSMS 004 0038 PH	B&F Fastener Supply	Digi-key	H800-ND	$0.09	$0.54	https:	100
PC Board	1	30						$3.80	$3.80		10