

Line item	Name
1	P1009A
2	AD9833BRMZ Module
3	R7237
4	P1016
5	P1017
6	RP3510
7	FG26X7R1E106KRT06
8	K102J15C0GF53H5
9	X9C103SZT1
10	X9C102SZ
11	TL071CP
12	DG419LEDY-T1-GE4
13	LT1085CT-12#PBF
14	RN60D5300FB14
15	CR1206-FX-90R9ELF
16	T491B106K020AT
17	T491X107K020AT
18	ERJ-U12F5600U
19	CRM2512-FX-1500ELF
20	H8275RDCA
21	PA79DK
22	MFR1WSFTE52-100K
23	FMP100JTF52-3K3
24	CFR1WSJT-52-1K
25	MFR1WSFTE52-2K
26	CAS17C680JAGFC
27	201R07S1R0CV4T
28	S242N3R0D502CT
29	PR01000101300JR500
30	DF06MA-E3/45
31	MSMA2512R0010FGM
32	MIC920YC5-TR
33	AWHSH112DM00G
34	MBA02040C1001FRP00
35	MBA02040C1001FRP00
36	2N2222A
37	1N4004
38	MCP4018T-104E/LT
39	IRF740

40	IRS2011PBF
41	1N4148-TAP
42	LTC3780
43	
44	LM358
45	1N4504
46	R7582
47	LT8365
48	KGM21AR51E106KU
49	KAF15BR71E224KT
50	GRM21A5C2E102FWA1J
51	CGJ5L3X7T2D224K160AA
52	C1808C104KCRCTU
53	74437324100
54	MBA02040C1073FC100
55	CR1206-FX-8452ELF
56	MFR-25FTF52-8K
57	3430H2F1M0TDF
58	DFLS1150
59	LM2940T-8.0/NOPB
60	PS0656
61	PEC11R-4225F-S0024
62	QP5522
63	SR1212
64	SP0710

Description	Total Qty
BREADBOARD 830 WAY	1
ACEIRMC 2pcs AD9833 Sine Square Wave DDS Signal Generator	
Programmable Microprocessors Serial Interface Module	1
Resistor 1W 1K	1
Male To Male Prototyping Wire Pack 65pcs	1
Mixed Prototyping Wire Pack	1
10k Ohm Linear Potentiometer	1
10uF Cermaic Capacitor	8
1nF Ceramic Capcitors	8
Digital Potentiomer 10k 100 taps	1
Digital Potentiomer 1k 100 taps	1
Operational Amplifiers - Op Amps JFET Input Low Noise	4
Analogue Switch ICs 11ohm On-Resistance 3-16V/3-8V; SOIC-8	1
LDO Voltage Regulators 3A, 5A, 7.5A L Drop Pos Fixed Regs	3
Metal Film Resistors - Through Hole 1/4watt 530ohms 1% 100ppm	1
Thick Film Resistors - SMD 90.9ohm 1%	1
Tantalum Capacitors - Solid SMD 20V 10uF 1411 10% ESR=2.1ohms	1
Tantalum Capacitors - Solid SMD 20V 100uF 2917 10%	
ESR=500mOhms	1
Thick Film Resistors - SMD 1812 1% 560ohm	1
Thin Film Resistors - SMD 1/10 Wa 150 Ohm 0.1% 0603 AEC-Q200	1
Metal Film Resistors - Through Hole H8 275R 0.5% 50PPM	1
PA79 Op Amp	1
100kohm Resistors	5
3.3kohm Resistors	4
1kohm Resistor	1
2kohm resistor	1
68pF Capacitor	2
1pF Capacitor	4
3pF Capacitor	2
130 ohm resistor	2
Bridge Rectifiers 6.0 Amp 600 Volt	2
1Mohm resistor	2
MIC920YC5-TR Operational Amplifiers - Op Amps Op Amp 3000V/us, 550uA, 80MHz	3
General Purpose Relays Commercial Relay	7
1k resistor	2
10 Ohm resistor	1
2N2222A NPN Switching Transistor 40V 800mA TO-18	1
General Purpose Plastic Rectifier	1
I2C digi pot	7
IRF740 TO-220 N-Channel MOSFET	2

Gate Drivers 200V high & low-side,1A,60ns, PDIP8	2
Diodes - General Purpose, Power, Switching vR/100V Io/150mA	1
LTC3780 DC-DC 5-32V to 1V-30V 10A Automatic Step Up Down Regulator Charging Module Power supply module	1
DC-DC 600W Boost Module Power Supply Step Up Constant Current Constant Voltage 9 -60V to 12 -48V 72V 80V Booster Converter	1
ANA DUAL OP AMP	1
400V 3A Silicon Diode	1
10k 0.25W 1% Metal Film Resistor PK 10	2
Boost regulator	1
Multilayer Ceramic Capacitors MLCC - SMD/SMT 25V 10uF X5R 0805 10%	3
Multilayer Ceramic Capacitors MLCC - SMD/SMT 25V .22uF X7R 0603 10% AEC-Q200 FLEXITERM	2
Multilayer Ceramic Capacitors MLCC - SMD/SMT 1nF	2
C5 0.22uF at output	1
C6 0.1 uF	15
L1 10uH	1
Metal Film Resistors - Through Hole .4watt 107Kohms 1% 1/8watt body size	1
Thick Film Resistors - SMD 84.5K 1%	1
Metal Film Resistors - Through Hole 8kOhms	1
Thick Film Resistors - SMD 3430 H2 1% 1M0 100ppm 1k RL	1
Schottky Diodes & Rectifiers	3
LDO Voltage Regulators 1A LDO Reg	1
BNC Panel Mount SocketSquare	1
Encoders 25mm SHAFT w/SWITCH	1
Dot Matrix White on Blue LCD 20x4 Character	1
2 Pole Sealed PCB Rotary - 6 Positions	1
Red Miniature Pushbutton - SPST Momentary Action 125V 1A rating	1

Manufacturer	Supplier	Supplier Unit Price	Supplier Subtotal
Altronics	Altronics	13.45	\$13.45
ACEIRMC	Amazon	11.99	\$11.99
Altronics	Altronics	1	\$1.00
Altronics	Altronics	6.15	\$6.15
Altronics	Altronics	11.5	\$11.50
Jaycar	Jaycar	3.95	\$3.95
TDK	Mouser	1.09	\$8.72
Vishay	Mouser	0.68	\$5.44
Renesas	Mouser	11.49	\$11.49
Renesas	Mouser	12.81	\$12.81
Texas Instruments	Altronics	2.2	\$8.80
Vishay	Mouser	1.3	\$1.30
Analog Devices	Mouser	15.48	\$46.44
Vishay	Mouser	1.06	\$1.06
Bourns	Mouser	0.154	\$0.15
KEMET	Mouser	0.878	\$0.88
KEMET	Mouser	2.9	\$2.90
Panasonic	Mouser	0.847	\$0.85
Bourns	Mouser	0.601	\$0.60
TE Connectivity	Mouser	1.6	\$1.60
Apex Microtechnology	Mouser	91.09	\$91.09
Yageo	Mouser	0.308	\$1.54
Yageo	Mouser	0.324	\$1.30
Yageo	Mouser	0.243	\$0.24
Yageo	Mouser	0.308	\$0.31
KEMET	Mouser	3.42	\$6.84
Johanson Technology	Mouser	0.259	\$1.04
Walsin	Mouser	0.632	\$1.26
Vishay	Mouser	0.356	\$0.71
Vishay General Semiconductor	Vishay	0.893	\$1.79
Bussmann	Mouser	\$0.57	\$1.13
Microchip Technology	Mouser	0.761	\$2.28
Amphenol Anytek	Mouser	1.49	\$10.43
Vishay	Mouser	0.24	\$0.48
Vishay	Mouser	0.664	\$0.66
STMicroelectronics	Jameco	1.29	\$1.29
Vishay	Mouser	0.454	\$0.45
Microchip Technology	Mouser	1.1	\$7.70
STMicroelectronics	Altronics	3.65	\$7.30

Infineon Technologies	Mouser	4.44	\$8.88
Vishay Semiconductors	Mouser	0.243	\$0.24
	AliExpress	8.88	\$8.88
Fancy Module	AliExpress	8.08	\$8.08
Onsemi	Altronics	0.664	\$0.66
Altronics	Altronics	0.599	\$0.60
Altronics	Altronics	0.518	\$1.04
Analog Devices	Mouser	10.01	\$10.01
KYOCERA AVX	Mouser	0.71	\$2.13
KYOCERA AVX	Mouser	0.356	\$0.71
Murata Electronics	Mouser	0.47	\$0.94
TDK	Mouser	1.75	\$1.75
KEMET	Mouser	0.41	\$6.15
Wurth Elektronik	Mouser	3.81	\$3.81
Vishay	Mouser	0.713	\$0.71
Bourns	Mouser	0.194	\$0.19
Yageo	Mouser	0.162	\$0.16
TE Connectivity / Holsworthy	Mouser	1	\$1.00
Diodes Incorporated	Mouser	0.84	\$2.52
Texas Instruments	Mouser	2.93	\$2.93
Jaycar	Jaycar	2.75	\$2.75
Bourns	Mouser	3.11	\$3.11
Jaycar	Jaycar	14.97	\$14.97
Jaycar	Jaycar	4.95	\$4.95
Jaycar	Jaycar	2.25	\$2.25
		Total:	\$378.36