

Item	Qty	Reference Designator	Description	Footprint	MFR	MFR P/N
1	4	C1,C2,C21,C22	TBD			
2	2	C3,C6	CAP 0603 SMD 0.1uF 16volts B 10%	0603/T.H.	Murata	GRM188B11C104KA01D
3	12	C7,C8,C9,C10,C11,C13	CAP 0603 SMD 0.1uF 16volts B 10%	0603/T.H.	Murata	GRM188B11C104KA01D
		C14,C15,C16,C18,C19,C20				
4	2	C4,C5	CAP CASE-B Tantalum 10uF 20volts 10%	CASE-B/3528	Vishay	293D106X9020B2TE3
5	1	C12	Aluminum Electrolytic Capacitors - Leaded 50volts 4.7uF	0603/T.H.	Nichicon	UVR1H4R7MDD1TD
6	1	C17	Aluminum Electrolytic Capacitors - Leaded 50volts 4.7uF	0603/T.H.	Nichicon	UVR1H4R7MDD1TD
7	1	D1	LED Standard Red Translucent 650nm 8mcd	T.H.	Everlight	EL-204HT
8	1	D2	Rectifiers Vr/600V Io/1A Glass Passivated	DO-204	Vishay	1N4247GP-E3/54
9	1	JP1	CONN POWER JACK 2.1MM CENTER POLE	T.H.	CUI Inc	PJ-202A
10	2	J17,JP2	HEADER 1X2 0.1"SP MALE	T.H.		
11	1	J1	HEADER 1X16 0.1"SP MALE	T.H.		
12	1	J2	HEADER 1X16 0.1"SP MALE	T.H.		
13	1	J3	HEADER 1X16 0.1"SP MALE	T.H.		
14	1	J4	HEADER 1X16 0.1"SP MALE	T.H.		
15	1	J5	HEADER 2X6 0.1"SP MALE	T.H.		
16	1	J6	HEADER 2X8 0.1"SP MALE	T.H.		
17	3	J7	HEADER 2X3 0.1"SP MALE	T.H.		
18	2	J10,J20	HEADER 1X3 0.1"SP MALE	T.H.		
19	2	J12,J14	HEADER 2X5 0.1"SP MALE	T.H.		
20	2	J11,J15	HEADER 2X7 0.1"SP MALE	T.H.		
21	1	J16	HEADER 2X10 0.1"SP MALE	T.H.		
22	2	J13,J18	HEADER 2X2 0.1"SP MALE	T.H.		
23	1	J19	HEADER 2X9 0.1"SP MALE	T.H.		
24	2	L1,L2	Chip Ferrite Beads AXIAL 133 Ohms 100 MHz	T.H.	Fair-Rite	2743002112
		OPTION	Chip Ferrite Beads 0805 400 Ohms 100 MHz	0805	KOA	CZB2AGTTE401P
25	2	R1,R2	Resistors 0603 1K OHM 1/16W	0603	Xicon	301-1.0K-RC
26	1	R3	Resistors 0603 1K OHM 1/16W	0603	Xicon	301-1.0K-RC
		OPTION	Resistor Metal Film 1K OHMS 1/4W 5%	T.H.	Vishay/Dale	CCF071K00JKE36
27	1	R4	Resistors 0603 330OHMS 1/16WATT	0603	Xicon	301-330-RC
		OPTION	Resistor Metal Film 330 OHMS 1/4W 2%	T.H.	Vishay	CCF07330RGKR36
28	6	R5,R6,R7,R8,R9,R10	Resistor 0603 0 OHM 5%	0603	CTS	742C043000XJP
29	1	SW1	Tactile Switches 3.5x6mm 320gf SALMON	T.H.	Mountain Switch	101-TS4311T3202-EV
30	1	U1	IC QFP 64/48 PINS 0.5mm pitch	QFP48/64	TI	
31	1	U2	IC SOT223 Linear Regulators- Low Drop Out 5.0V 1A Positive	SOT-223	ON Semi	NCP1117ST50T3G
32	2	Y1,Y2	CRYSTAL(USER DEFINE)	T.H.		

NOT INSTALL