

MBARI
7700 Sandholdt Rd
Moss Landing CA 95039
831-775-1730

Item	Quantity	Reference	Description	Value	Length	Gauge	Insul Color	Type	Manufacturer	PART_NUMBER	Distributor	Distributor Number	Stuff
1	8	C1,C2,C5,C6,C17,C18,C29,C30	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603	0.10uF					Kemet	C0603C104K4RAC			
2	2	C3,C4	CAP 1.0UF 16V CERAMIC X7R 0805	1.0uF					Kemet	C0805C105K4RAC			
3	15	C7,C8,C9,C10,C11,C19,C20,C21,C22,C23,C31,C32,C33,C34,C35		0.22uF					Kemet	C0603C224K3RAC			
4	3	C12,C24,C36	CAP POLY HYB 470UF 20% 16V SMD	470uF				Hybrid Polymer	United Chemi-Con	HXXB160ARA471MJA0G	Digi-Key	565-4177-1-ND	
5	6	C13,C15,C25,C27,C37,C39	CAP .10UF 50V CERAMIC X7R 0805	0.10uF					Kemet	C0805C104K5RAC			
6	3	C14,C26,C38		.022uF					Kemet	C0603C223K5RAC			
7	3	C16,C28,C40	CAP CER 1UF 50V 10% X7R 0805	1.0uF					Kemet	C0805C105K5RACTU			
8	1	D1	TVS DIODE 6.5VWM 11.2VC SMB	SMBJ6.5CA-13-F					Diodes Inc	SMBJ22A-13-F			
9	1	D2	TVS DIODE 12VWM 19.9VC SMB	SMBJ12CA-13-F					Diodes Inc	SMBJ12CA-13-F			
10	12	JP1,JP2,JP3,JP4,JP5,JP6,JP7,JP8,JP9,JP10,JP11,JP12	MISC 3 PIN JUMPER 0.100" PITCH 0.025" SQ	LS=0.100"						MISC_JMPR-TH-3PIN			
11	1	J1	CONN DIN PLUG 48POS RT ANG PCB	5650948-5					TE Connectivity AMP Connectors	5650948-5			
12	1	J2		M80-5401042				Datamate J-Tek		M80-5401042			
13	1	J3	2X6POS MALE H BOARD MOUNT	M80-5401242				Datamate J-Tek	Harwin	M80-5401242	DigiKey	952-1931-ND	
14	2	J4,J5	CONN HDR 2MM R/A W/SCREW 6POS	M80-5400642				Datamate J-Tek	Harwin Inc.	M80-5400642			
15	3	L1,L2,L3	FERRITE CHIP 220 OHM 3A 0805	MPZ2012S221A					TDK Corporation	MPZ2012S221A			
16	3	L4,L5,L6	EMI/RFI Suppressors & Ferrites 100M Ohm 15A SMD	BNX024H01L					Murata	BNX024H01L			
17	3	Q1,Q2,Q3	MOSFET N-CH 30V 94A DPAK	FDD8896					Fairchild	FDD8896		FDD8896CT-ND	
18	1	RN1	RES ARRAY 4 RES 100K OHM 8TSSOP	100k					Vishay Dale	MORNTA1003QT5		541-2486-1-ND	
19	1	R1	RES 0.0 OHM 1/8W JUMP 0805 SMD	0					Vishay Dale	CRCW08050000Z0EA			
20	1	R2		22.0K					Vishay	CRCW060322K0JNEA			
21	3	R3,R8,R13	RES .04 OHM 1W 1% 2512 SMD	0.04					Vishay/Dale	WSL2512R0400FEA			
22	3	R4,R9,R14		10					Vishay	CRCW060310R0FKEA			
23	3	R5,R10,R15	RES 49.9K OHM 1/8W 1% 0805 SMD	xx.xk					Vishay	CRCW080549K9FKEA			
24	3	R6,R11,R16		xx.xk					Vishay	CRCW08052K67FKEA			
25	2	R7,R12	RES 100K OHM 1/10W 1% 0603 SMD	100.0K					Vishay/Dale	CRCW0603100KFKEA			
26	1	TS1	IC TVS ARRAY 4-LINE 5V SOT23-6	SRV05-4.TCT					Semtech	SRV05-4.TCT			
27	1	U1		LTC6930									
28	3	U2,U7,U12		XR20M1280									
29	1	U3		MAX3244E									
30	3	U4,U9,U14	IC SINGLE INVERTER-GATE SOT-23-5	SN74LVC1G04DBVR					Texas Instruments	SN74LVC1G04DBVR			
31	3	U5,U11,U15	IC SURGE STOPPER HV 12-MSOP	LT4363IMS-1#PBF					Linear Technology	LT4363IMS-1#PBF			
32	3	U6,U10,U16	IC ENERGY MONITOR I2C 16MSOP	LTC2946CMS-1#PBF					Linear Technology	LTC2946CMS-1#PBF			

33	2	U8,U13	IC TXRX RS232 250KBPS SD 16-SSOP	MAX3226EEAE+					Maxim Integrated	MAX3226EEAE+			
----	---	--------	----------------------------------	--------------	--	--	--	--	------------------	--------------	--	--	--