

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													
2	8	C1,C2,C5,C6,C17,C18,C29,C30	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603	0.10uF					Kemet	C0603C104K4RAC			
3	2	C3,C4	CAP 1.0UF 16V CERAMIC X7R 0805	1.0uF					Kemet	C0805C105K4RAC			
4	15	C7,C8,C9,C10,C11,C19,C20,C21,C22,C23,C31,C32,C33,C34,C35		0.22uF					Kemet	C0603C224K3RAC			
5	3	C12,C24,C36	CAP POLY HYB 470UF 20% 16V SMD	470uF				Hybrid Polymer	United Chemi-Con	HHXB160ARA471MJA0G			
6	6	C13,C15,C25,C27,C37,C39	CAP .10UF 50V CERAMIC X7R 0805	0.10uF					Kemet	C0805C104K5RAC			
7	3	C14,C26,C38		22,000.0pF					Kemet	C0603C223K5RAC			
8	3	C16,C28,C40	CAP CER 1UF 50V 10% X7R 0805	1.0uF					Kemet	C0805C105K5RACTU			
9	1	D1	TVS DIODE 6.5VWM 11.2VC SMB	SMBJ6.5A-13-F					Diodes Incorporated	TMP-1997		SMBJ6.5CA-FDICT-ND	
10	1	D2	TVS DIODE 12VWM 19.9VC SMB	SMBJ12A-13-F					Diodes Incorporated	TMP-1996			
11	6	JP3,JP4,JP7,JP8,JP11,JP12	MISC 3 PIN JUMPER 0.100" PITCH 0.025" SQ	LS=0.100"						MISC_JMPR-TH-3PIN			
12	1	J1	CONN DIN PLUG 48POS RT ANG PCB	5650948-5					TE Connectivity AMP Connectors	5650948-5			
13	1	J2	CONN HDR 2MM R/A W/SCREW 10POS	M80-5401042				Datamate J-Tek	Harwin Inc.	M80-5401042			
14	1	J3	2X6POS MALE H BOARD MOUNT	M80-5401242				Datamate J-Tek	Harwin Inc.	M80-5401242	DigiKey	952-1931-ND	
15	2	J4,J5	CONN HDR 2MM R/A W/SCREW 6POS	M80-5400642				Datamate J-Tek	Harwin Inc.	M80-5400642			
16	3	L1,L2,L3	FERRITE CHIP 220 OHM 3A 0805	MPZ2012S221A					TDK Corporation	MPZ2012S221A			
17	3	L4,L5,L6	EMI/RFI Suppressors & Ferrites 100M Ohm 15A SMD	BNX024H01L					Murata	BNX024H01L			
18	3	Q1,Q2,Q3	MOSFET N-CH 30V 94A DPAK	FDD8896					Fairchild Semiconductor	FDD8896		FDD8896CT-ND	
19	1	R2		22.0K					Vishay	CRCW060322K0JNEA			
20	3	R3,R8,R13	RES .04 OHM 1W 1% 2512 SMD	0.04					Vishay/Dale	WSL2512R0400FEA			
21	3	R4,R9,R14		10					Vishay	CRCW060310R0FKEA			
22	3	R6,R66,R67		42.2K					Vishay	CRCW060342K2FKEA			
23	21	R7,R12,R22,R23,R24,R33,R34,R35,R36,R37,R38,R39,R40,R41,R42,R47,R48,R49,R50,R51,R52		100k					Vishay Dale	CRCW0603100KJNEA			
24	14	R17,R18,R20,R25,R27,R29,R31,R43,R45,R53,R55,R57,R59,R62	RES 0.0 OHM 1/10W 0603 SMD	0					Vishay/Dale	CRCW06030000Z0EA			
25	16	R19,R21,R26,R28,R30,R32,R44,R46,R54,R56,R58,R60,R61,R63,R64,R65	TO BE DETERMINED, HEIGHT 0.5mm	TBD						TBD_R0603			
26	2	TS1,TS2	TVS DIODE 5VWM 8.5VC SOT23	824011					Würth Electronics Inc	824011			
27	1	U1	IC OSC SILICON 7.3728MHZ 8-MSOP	LTC6930IMS8-7.37#PBF					Linear Technology	LTC6930IMS8-7.37#PBF			
28	3	U2,U7,U12	UART Interface IC 1Ch 12C/SPI UART w/ Lvl Shfters & 8 GPIOs	XR20M1280IL32-F					Exar	XR20M1280IL32-F			
29	1	U3	IC TXRX RS-232 W/SHTDWN 28-SSOP	MAX3244EEAI+					Maxim Integrated	MAX3244EEAI+			
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			
	2	U8,U13	IC TXRX RS232 250KBPS SD 16-SSOP	MAX3226EEAE+					Maxim Integrated	MAX3226EEAE+			