

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	4	C1,C2,C3,C4	CAP CER 0.022UF 630V X7R 1206	0.022uF					TDK Corporation	CGA5K4X7R2J223K130AE			
2	2	C5,C8	CAP CER 0.012UF 50V 10% X7R 0603	0.012uF					Murata Electronics North America	GRM188R71H123KA01D			
3	15	C6,C9,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C61	CAP .10UF 50V CERAMIC X7R 0805	0.10uF					Kemet	C0805C104K5RAC			
4	2	C7,C11	CAP CER 1UF 50V 10% X7R 0805	1.0uF					Kemet	C0805C105K5RACTU			
5	1	C10		0.47uF					Kemet	C0805C474K5SRAC			
6	35	C12,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46	CAP ALUM 470UF 20% 25V SMD	470uF					Panasonic Electronic Components	EEE-FK1E471GP			
7	2	C47,C60		1.0pF					Kemet	C0805C109J5GAC			
8	3	D1,D5,D6	TVS 30 VOLT 1500 WATT UNI-DIR	1.5KE30A					Littelfuse Inc	1.5KE30A			
9	3	D2,D3,D7	TVS DIODE 5.8VWM 10.5VC AXIAL	1.5KE6.8A					Littelfuse Inc	1.5KE6.8A			
10	1	D4	TVS DIODE 12.8VWM 21.2VC AXIAL	1.5KE15A					Littelfuse Inc	1.5KE15A			
11	14	JP1,JP2,JP3,JP4,JP5,JP6,JP7,JP8,JP9,JP10,JP11,JP12,JP13,JP14	MISC 2 PIN JUMPER 0.100" PITCH 0.025" SQ	LS=0.100"						MISC_JMPR-TH-2PIN			
12	1	JP15	CONN HEADER VERT. 100 2POS 15AU	87227-1					TE Connectivity	87227-1			
13	1	J1	CONN HEADER 8POS DL VERT 30GOLD	794682-8					TE Connectivity	794682-8			
14	1	J2	Pin & Socket Connectors HDR VERT 8 POS 30 AU SINGLE ROW	2-1445093-8					TE Connectivity / AMP	2-1445093-8			
15	1	J3	CONN FFC/FPC 1MM 30POS VERT ZIF	52030-3029					Molex Connector Corporation	52030-3029			
16	24	J4,J5,J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J16,J17,J18,J19,J20,J21,J22,J23,J24,J25,J26,J27	CONN DIN RECEPT 32POS VERT PCB	5650858-5					TE Connectivity	5650858-5			
17	2	L1,L2	EMI/RFI Suppressors & Ferrites 100M Ohm 15A SMD	BNX024H01L					Murata	BNX024H01L			
18	1	L3	FERRITE CHIP 220 OHM 3A 0805	MPZ2012S221A					TDK Corporation	MPZ2012S221A			
19	2	Q1,Q2	MOSFET L2 Linear Power MOSFET	IXTX200N10L2					IXYS	IXTX200N10L2			
20	2	R1,R9	RES .003 OHM 1W 1% 2512 SMD	0.003					Vishay Dale	WSL251231L000FEA			
21	4	R2,R3,R10,R11		10					Vishay	CRCW060310R0FKEA			
22	2	R4,R12		49.9					Vishay	CRCW080549R9FKEA			
23	2	R5,R13	RES 49.9K OHM 1/8W 1% 0805 SMD	49.9K					Vishay	CRCW080549K9FKEA			
24	4	R6,R14,R17,R27	RES 0.0 OHM 1/8W JUMP 0805 SMD	0					Vishay Dale	CRCW08050000Z0EA			
25	2	R7,R15		2.67K					Vishay	CRCW08052K67FKEA			
26	3	R8,R16,R35		1.00M					Vishay	CRCW08051M00JNEA			
27	12	R18,R24,R26,R28,R29,R30,R31,R32,R33,R34,R36,R37		22.0K					Vishay	CRCW060322K0JNEA			
28	5	R19,R20,R21,R22,R23		2.20K					Vishay	CRCW06032K20JNEA			
29	1	R25		180					Vishay	CRCW0805180RJNEA			
30	14	ST1,ST2,ST3,ST4,ST5,ST6,ST7,ST8,ST9,ST10,ST11,ST12,ST13,ST14	#4 SCREW TERMINAL, PANHEAD	#4 SCREW TERMINAL						MNT4_PANHEAD			
31	4	TP1,TP2,TP8,TP12	TEST POINT PC COMPACT .063"D RED	RED					Keystone Electronics	5005			
32	2	TP3,TP9	TEST POINT PC COMPACT .063"D ORN	ORANGE					Keystone Electronics	5008			
33	2	TP4,TP7	TEST POINT PC COMPACT .063"D BLK	BLACK					Keystone Electronics	5006			
34	1	TP5	TEST POINT PC COMPACT T/H PURPLE	PURPLE					Keystone Electronics	5124			
35	2	TP6,TP10	TEST POINT PC COMPACT .063"D YEL	YELLOW					Keystone Electronics	5009			
36	2	TP11,TP13	TEST POINT PC COMPACT T/H BROWN	BROWN					Keystone Electronics	5120			
37	2	U1,U2	IC SURGE STOPPER HV 12-MSOP	LT4363IMS-1#PBF					Linear Technology	LT4363IMS-1#PBF			
38	2	U3,U4	IC BUS BUFF TRI-ST QD 14SOICN	74LVC126AD					Texas Instruments	74LVC126AD			
39	1	U5	OPTOCOUPLER TRANS-OUT 6-SMD	4N35SM					Fairchild Optoelectronics Group	4N35SM			
40	4	U6,U13,U14,U15	IC 3-8 DECODER/DEMUX 16-TSSOP	SN74LVC138APWR					Texas Instruments	SN74LVC138APWR			
41	6	U7,U8,U9,U10,U11,U12	IC BUS BUFF TRI-ST QD 14SOICN	SN74LVC125AMDREP					Texas Instruments	SN74LVC125AMDREP			