

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

Item	Quantity	Reference	Description	Value	Length	Gauge	Insul Color	Type	Manufacturer	Manufacturer Number	Distributor	Distributor Number	Stuff
1	1	CBL1	CABLE RJ45 CAT6 W/BOOT 10' WHITE	Cat6 568b Cable Ass'y	10'			EIA-568b	Assmann WSW	DK-1611-010/WH	DigiKey	AE10535-ND	
2	15	C11,C12,C15,C16,C17,C10,C11,C12,C19,C120,C121,C122,C123,C124,C125	CONTACT CST-100 II 26-22AWG 30AU GOLD CRIMP	Contact 20-26				CST-100 II	TE Conn	1445336-3	DigiKey	1445336-3-ND	
3	11	C13,C18,C113,C15,C117,C126,C128,C147,C148,C149,C150	CONN SOCKET 20-24AWG GOLD CRIMP	Contact 20-24				Micro Mate-N-Lok	TE Conn	1-794610-2	DigiKey	A32523-ND	
4	6	C14,C19,C114,C18,C127,C130	CONN TERM FEMALE 22-24AWG GOLD	Contact 22-24				C-Grid SL	Molex	16020103	DigiKey	WM2512-ND	
5	10	C116,C136,C137,C138,C139,C140,C141,C42,C143,C144	CONN TERM FEMALE 22-24AWG GOLD	Contact 22-24				CST-100 II	Molex	16020103	DigiKey	WM2512-ND	
6	1	C129	CONN D-SUB SOCKET 20-24AWG AU	Contact 20-24				Amplimite D-Sub	TE Conn	205090-1	DigiKey	A2161-ND	
7	1	C131	CONN SOCKET 20-24AWG 15AU CRIMP	Contact 20-24				AmpModU Mod IV	TE Conn	2-87523-4	DigiKey	A33426-ND	
8	1	C135	HD 38999 SKT 23 CRIMP BAND 172	Contact 23				38999 Socket Contact	Amphenol	10-597330-735	PEI-Genesis		MBARI Supplied
9	1	C145	CONN TERM CRIMP 22-26AWG TIN	Contact 22-26				KK® Trifurcon™ 7258	Molex	08-50-0185	DigiKey	08-50-0185-ND	
10	2	C146,C153	CONN SOCKET 24-30AWG CRIMP 30AU	Contact 24-30				C-Grid SL 71851	Molex	16021117	DigiKey	WM2572-ND	
11	2	C151,C152	CONN PIN 24-28AWG CRIMP GOLD	Contact 24-28				Hirose	DF11-EP2428PCA		DigiKey	H1507-ND	
12	1	DAT_P1	CONN HOUSING 5POS .100 W/LATCH	CONN TRBLK 5					Molex	50579405	DigiKey	WM2903-ND	
13	1	DAT_P8	CONN SOCKET 16POS 2MM DUAL CRIMP	CONN TRBLK 16					Hirose	DF11-16DS-2C	DigiKey	H2025-ND	
14	1	DAT_P14	CONN PLUG HOUSING 8POS 2MM	CONN TRBLK 8					Hirose	DF11-8DEP-2C	DigiKey	H2915-ND	
15	2	J1,J2	Micro Circular	MCBH12F					Subconn	MCBH12F			MBARI Supplied
16	13	J3,P4,J4,P9,P18,P55,P56,P57,P58,P59,P60,P61,P62	CONN HOUSING 4POS .100 W/LATCH	C-Grid SL 4				C-Grid SL	Molex	50579404	DigiKey	WM2902-ND	
17	1	J6	HD 38999 88C 88#23 SKT RECP	ConCir19-88				Wall Mount Socket Receptacle	Amphenol	TVP00RW-19-88S	PEI-Genesis		MBARI Supplied
18	1	MOTOR1		Mass Shifter Drive					Maxon	266628			MBARI Supplied
19	1	M1	Thruster Motor	BLDC Motor					Applimotion	UTH-114-A-20-B-H-000			MBARI Supplied
20	1	OP1		Optical Switch					Optek	OPB817Z	DigiKey	365-1260-ND	MBARI Supplied
21	1	PCB1		Motherboard 3				MBARI 10020881					MBARI Supplied
22	1	PCB2		Power Backplane				MBARI 1002XXXX					MBARI Supplied
23	5	PCB3,PCB4,PCB5,PCB6,PCB7	Motor Drive	EZSV23 EZ Servo					AllMotion	EZSV23			MBARI Supplied
		PCB9,PCB10,PCB11,PCB12,PCB13,PCB14,PCB15,PCB16,PCB20,PCB21,PCB22,PCB23,PCB24,PCB25,PCB26,PCB27	Load Control Board	LCB					MBARI				MBARI Supplied
25	1	PCB17	Iridium/GPS Tracker	Iridium					NAL Research	9602-LP			MBARI Supplied
26	1	PCB19	Acoustic Modem Board Set	Modem/DAT					Benthos				MBARI Supplied
27	1	PUMP1	Oil Pump	Oil Pump									MBARI Supplied
28	9	P1,P5,P7,P10,P12,P20,P22,P23,P26	CONN RCPT HSNB 8POS CST-100 II	CST100-8				CST-100 II	TE Conn	1375820-8	DigiKey	A99618-ND	
29	6	P2,P6,P11,P19,P21,P24	CONN RCPT HSNB 4POS CST-100 II	CST100-4				CST-100 II	TE Conn	1375820-4	DigiKey	A99615-ND	
30	6	P3,P8,P13,P17,P27,P29	CONN RECEPT 3MM 7POS Micro-MATE-N-LOK	MicroMnL 7				Micro Mate-N-Lok	TE Conn	1445022-7	DigiKey	A30263-ND	
31	2	P14,P30	CONN HOUSING 2POS .100 W/LATCH	C-Grid SL 2				C-Grid SL	Molex	50579402	DigiKey	WM2900-ND	
32	4	P15,P50,P51,P52	CONN RECEPT 3MM 5POS MATE-N-LOK	MMnL 5				Contact Housing	TE Conn	1445022-5	DigiKey	A30261-ND	
33	1	P16	CONN HOUSING 10POS .100 W/LATCH	C-Grid SL 10				C-Grid SL	Molex	50579410	DigiKey	WM2908-ND	
34	1	P25	CONN RCPT HSNB 5POS CST-100 II	CST100-5				CST-100	TE Conn	1375820-5	DigiKey	A99616-ND	
35	1	P28	CONN D-SUB HOUSING RECEPT 15POS	DSub 15				Amplimite D-Sub	TE Conn	1757820-2	DigiKey	A32576-ND	
36	1	P31	CONN HOUSING 6POS .100 POL DUAL	AmpModU 6				AmpModU Mod IV	TE Conn	TE 87631-1	DigiKey	A25849-ND	
37	1	P44	CONN HOUSING 5POS .156 W/RAMP	Molex 09-50-3051				KK 2139	Molex	9503051	DigiKey	WM2103-ND	
38	1	P45	CONN HOUSING 10POS .100 DUAL	Molex 22-55-2101				C-Grid SL	Molex	22552101	DigiKey	WM2522-ND	
39	1	P46	CONN RECEPT 3MM 7POS MATE-N-LOK	MMnL 7				Contact Housing	TE Conn	1445022-6	DigiKey	A30263-ND	
40	1	P47	CONN HEADER 3MM 7POS R/A GOLD	MMnL 7				Contact Housing	TE Conn	1445022-6	DigiKey	A34863-ND	
41	2	P48,P49	CONN RECEPT 3MM 6POS MATE-N-LOK	MMnL 6				Contact Housing	TE Conn	1445022-6	DigiKey	A30262-ND	
42	2	P53,P54	CONN RECEPT 3MM 3POS MATE-N-LOK	MMnL 3				Contact Housing	TE Conn	1445022-3	DigiKey	A30259-ND	
43	1	P63	CONN HOUSING 5POS .100 W/LATCH	C-Grid SL 5				C-Grid SL	Molex	50579405	DigiKey	WM2903-ND	
44	18	RT1,RT2,RT3,RT4,RT5,RT6,RT7,RT8,RT9,RT10,RT11,RT12,RT13,RT14,RT15,RT16,RT17,RT18	CONN RING 16-22 AWG #8 PIDG	16-22 AWG #8 PIDG				PIDG	TE Conn	31890	DigiKey	A1061-ND	
45	1	R1	String Pot	Meas Spec SP1-12				<Type>	Measurement Specialties	SP1-12			MBARI Supplied
46	1	SW1	Pressure Switch	PSW-500 Pressure Switch				<Type>	Omega	PSW-524			MBARI Supplied
47	1	W1	Shield Braid 15 AWG	Weico BT-1/8					Weico	BT-1/8			
48	7	W2,W3,W7,W11,W23,W59,W60	PTFE Hook-Up Wire 22 AWG (19/34) Grn	Grn 22		22	Grn		Weico	2122/19			
49	21	W4,W8,W12,W14,W15,W16,W17,W21,W25,W27,W40,W42,W44,W45,W46,W49,W50,W53,W55,W57,W61	Multi-Paired Cables 22AWG 1PR SHIELD	9451		2 x 22		2 x #22	Belden	9451	Mouser	566-9451-500	
50	19	W5,W9,W13,W18,W19,W20,W22,W24,W26,W28,W29,W41,W43,W47,W48,W51,W52,W54,W56	Multi-Conductor Cables 24AWG 3C SHIELD	9533		3 x 24		3 x #24	Belden	9533	Mouser	566-9533-500	
51	2	W6,W10	Shield Braid 15 AWG	Weico BT-1/8				<Type>	Weico	BT-1/8			
52	1	W58	PTFE Hook-Up Wire 22 AWG (19/34) Wht/Orn	Wht/Orn 22		22	Wht/Orn		Weico	2122/19			
53	1	W62	PTFE Hook-Up Wire 24AWG (19/36) Red	Red 24		24	Red		Weico	2124/19			
54	1	W63	Multi-Paired Cables 24AWG 4PR SHIELD	7308		24		4 pr x #24	Belden	7308	Mouser	566-9451-500	