

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

Bill Of Materials

Item	Quantity	Reference	Value	Tolerance	Rating	Type	PCB Footprint	Manufacturer Number	Distributor Number	Description
1	2	AB1 AB2	DMS-EB					Datel DMS-EB	Mouser 580-DMS-EB-C	Digital Panel Meter, Multipurpose Board
2	1	CB1	Thermidisc 381-120F						Atlantic Components	Open at 120F, manual reset, surface mount
3	2	CC1, CC2	Kanthal G5147					Kanthal G5147	Kanthal direct	Connector cap, copper, 1" dia, w/strap
4	1	CH1	Bud RM-14215					Bud RM-14215	Newark 06M4783	10.5"H x 19"W x 17"D
5	1	CH2	Covers					Bud TBC-14252	Newark 05M4430	Solid Cover (order two)
6	1	CH3	Handles					Bud H9183-B	Newark 69F205	Aluminum Handles
7	35	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J39, J40, J41, J42, J43, J44	Ring Terminal					AMP PIDG	Lab Stock -- size as required	
8	1	J16	Caton 16088-L4		20KV	Bulkhead Connector		Caton 16088-L4		Bulkhead Connector, Shell Size 16S, 2 Conductor, #16AWG x 24" leads
9	5	J28, J30, J31, J32, J33	Terminal, P80H					Tyco/AMP 1-480707-1	Lab Stock -- size as required	
10	1	J39	Male N-Lok 9					Tyco/AMP 1-480707-1	Newark 10H0050	
11	1	K2	Cardcock THV					Cardcock THV20-A-1 0-25	Kanthal direct	Receptacle 3x3 Panel Mount
12	1	K3	Chrom S1			SSR		Chrom 02410-10	DigKey 486-1104-ND	RELAY SSR 10A 240VAC DC
13	1	PE1	Schurter EF11			Power Entry		Schurter EF11 0035 0010 01	DigKey 486-1104-ND	MOD PWR ENTRY 20A 1PL OVP QC PNL
14	2	PM1, PM2	Datel DMS-30L CD			120VAC - 12 VDC		Datel DMS-30L CD-1-5	Mouser 580-30L CD-1-5	Digital Panel Meter 2V, 5V
15	2	PS1, PS2	Lambda HWS					Lambda HWS15-12/A	DigKey 285-1312-ND	PWR SUP IND 12V 1.3A SNG OUTPUT
16	2	P1, P2	MMNL4P				DUMMY	AMP 172167-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 6 Circuit
17	1	P3	MMNL4P				DUMMY	AMP 172167-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, Dual Row, 4 Circuit
18	1	P4	MMNL4P				DUMMY	AMP 172167-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 8 Circuit
19	1	P5	CONNECTOR DB25					Tyco/AMP 1-480706-1	Newark 10H0050	Resistor, tubular, 1" dia x 8"
20	1	P6	Mate-N-Lok 9		15KV/60W			Kanthal 688A173L	Kanthal direct	Varistor, 10KJ, 2800VRMS
21	1	R3	17k					Littlefuse V282BB60	Newark 09F2168	Precision High Voltage Divider Network
22	3	R5, R6, R7	3500 VDC			Varistor		Cardcock THV20-A-1 0-25		
23	1	R8	Cardcock THV		20KV		1000.0100	Cardcock THV20-A-1 0-25		
24	1	SA1	Lever Actuator					McMaster 9209K551	McMaster 9209K551	
25	1	SA2	Push PB Actuator					McMaster 9209K117Green	McMaster 9209K117Green	
26	1	SA3	Push PB Actuator					McMaster 9209K117Red	McMaster 9209K117Red	
27	1	SB1	S2213					Lapp USA Oflex Skintop S2213	Lab stock	Liquid Tight Strain Relief
28	1	SB2	SCREW TERM 3							
29	1	SB6	SCREW TERMINAL							
30	2	SW1, SW2	SPST-NC Contact Block					McMaster 9209K119	McMaster 9209K119	
31	1	SW3	SPST-NC Contact Block					McMaster 9209K126	McMaster 9209K126	
32	4	W1, W2, W3, W4	20KV Silicone							
33	2	2, 2, 3	WARNING TRIANGLE				DUMMY			