

Revised: Monday, January 09, 2006
Revision: 1

MBARI
7700 Sandholdt Road
Moss Landing CA 95039
831-775-1700

Item	Quantity	Reference	Value	Tolerance	Rating	Type	PCB Footprint	Manufacturer Number	Distributor Number	Description
1	10	BP2,BP4,BP6,BP13,BP14, BP15,BP16,BP18,BP29,BP47	MDF6				DUMMY	Hirose MDF6-4DS-3.5C		Socket, Double Row, 4 Contact, 3.5mm, Crimping Socket, CL 547-0074-1
2	6	BP7,BP8,BP9,BP10,BP11, BP23	DF1E				DUMMY	Hirose DF1E-6S-2.5C		Socket, Double Row, 6 Contact, 2.5mm, Crimping Socket, CL 541-0815-0-**
3	2	BP38,BP42	DF1E				DUMMY	Hirose DF1E-4S-2.5C		Socket, Double Row, 4 Contact, 2.5mm, Crimping Socket, CL 541-0813-5-**
4	1	CI1	MMNLContact			20-16AWG	DUMMY	AMP 171637-3		Contact, Mini Univeral Mate-N-Lok, 20-16AWG, Duplex Plated
5	1	CI2	MDF6 Contact			18-16AWG	DUMMY	Hirose MDF6-1618SC		Crimping Contact, Socket, AWG 16-18, CL No. 547-0071-3
6	1	CI3	DF1E Contact			22-20AWG	DUMMY	Hirose DF1E-2022SCA		Crimping Contact, Socket, AWG 20-22, CL No. 541-1000-2
7	2	DR1,DR2	Trace C40					Xantrex/Trace C40 Multifunction DC Controller	Solar Depot	
8	2	H1,H2	Temp Sensor Housing					Richco ALSS10-8	DigiKey ALSS10-8-ND	Spacer Aluminum 1" x #10 Thru
9	1	H3	Power Chassis Assembly			MBARI 1002220				
10	1	J1	AWM-2/16					Seacon/Brantner		AWQ 2/16SBC/AWQFBLSD WITH COLOR CODED 18 AWG. PT'S 4 FT. LONG
11	3	J2,J3,J5	AWM-8/32					Seacon/Brantner		AWQ 8/32SBC/AWQFBLSD WITH COLOR CODED18 AWG. PT'S 4FT. LONG.
12	1	J4	AWM-7/42					Seacon/Brantner		AWQ 7/42SBC/AWQFBLSD WITH COLOR CODED 18 AWG.PT'S 4FT. LONG
13	1	J6	MINK-5#16-BCRL							
14	4	PT-W,PT-S,PT-N,PT-E	Max Power Point Tracker					Brusa MPT-6	Metric Mind Engineering Inc	order with Vertical FastOn Terminals, AMP 62409-1 or equivalent
15	16	PT-W-1,PT-S-1,PT-N-1, PT-E-1,PT-W-2,PT-S-2, PT-N-2,PT-E-2,PT-W-3, PT-S-3,PT-N-3,PT-E-3, PT-W-4,PT-S-4,PT-N-4, PT-E-4	640905-1			FastOn		AMP 640905-1	DigiKey A0904-ND	CONN RECEPT FASTON 14-16AWG .250
16	2	PWB1,PWB0	Solar/Battery Board					MBARI 102300		
17	2	PWB2,PWB3	Wind/Load Board					MBARI 1002298		
18	2	PWB4,PWB5	Converter/GF Board					MBARI 1002267		
19	1	PWB6	Ripple Cap Board					MBARI 1002342		
20	1	PWB6	Iso A/D Board					MBARI 1002716		
21	1	PWB8	P2 Board					MBARI 1002235		
22	1	PWB9	Power Backplane			Built on Rev 2 Backplane		MBARI		
23	2	PWB10,PWB14	48-400 Converter					MBARI 1002345		
24	2	PWB12,PWB13	48-12 Converter					MBARI 1002129		
25	6	RT1,RT2,RT3,RT4,RT5,RT6	LUG RING 2							
26	1	ST1	SCREW TERMINAL 0.1							
27	10	S0P1,S0P3,S1P1,S1P3,S8P3, S4P400V 3,48-400#0P2, 48-400#0P3,48-400#1P2, 48-400#1P3	MMNL4P				DUMMY	AMP 172167-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, Dual Row, 4 Circuit
28	16	S0P2,S0P4,S1P2,S1P4,S2P1, S3P1,S4P1,S4P2,S5P1,S5P2, S6P1,S6P2,48-12#0P1, 48-12#1P1,48-400#0P1, 48-400#1P1	MMNL6P				DUMMY	AMP 172168-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 6 Circuit
29	9	S2P2,S3P2,S7P1,S7P2, S5P12V 3,48-12#0P2, 48-12#0P3,48-12#1P2, 48-12#1P3	MMNL8P				DUMMY	AMP 770579-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 8 Circuit
30	1	S8P1	MMNL12P				DUMMY	AMP 770581-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, Dual Row, 12 Circuit
31	2	TS1,TS2	AD592					Analog Devices AD592BN	DigiKey AD592BN-ND	IC TEMP TRANSDUCER 2-TERM TO-92
32	14	W47,W51,W52,W59,W67,W81, W82,W86,W101,W123,W124, W125,W126,W?	20 GRN							#20 AWG, Stranded, PTFE Teflon, Green
33	8	WS1,WS2,WS3,WS4,WS5,WS6, WS7,WS8	320559					Amp 320559	DigiKey A1069-ND	CONN SPLICE BUTT 16-22 AWG RED
34	2	W2,W11	18 ORN							
35	18	W3,W10,W12,W19,W22,W23, W24,W25,W32,W33,W34,W35, W55,W60,W62,W68,W74,W76	18 YEL							#18 AWG, Stranded, PTFE Teflon, Yellow
36	8	W4,W9,W13,W18,W92,W94, W96,W98	18 ORN							#18 AWG, Stranded, PTFE Teflon, Orange

37	2	W5,W14	18 BLK							
38	22	W6,W7,W8,W15,W16,W17,W26	18 BLK							#18 AWG, Stranded, PTFE Teflon, Black
		W28,W30,W31,W36,W37,W38,								
		W39,W56,W61,W69,W70,W75,								
		W77,W78,W104								
39	2	W20,W27	22 RED							#18 AWG, Stranded, PTFE Teflon, Yellow
40	2	W21,W29	22 BLK							#18 AWG, Stranded, PTFE Teflon, Black
41	3	W40,W71,W106	20 BLU							#20 AWG, Stranded, PTFE Teflon, Blue
42	7	W41,W63,W65,W72,W79,W89,	20 ORN							#20 AWG, Stranded, PTFE Teflon, Orange
		W105								
43	6	W42,W48,W57,W108,W119,	20 WHT							#20 AWG, Stranded, PTFE Teflon, White
		W121								
44	8	W43,W49,W58,W66,W83,W109	20 BRN							#20 AWG, Stranded, PTFE Teflon, Brown
		W120,W122								
45	1	W44	20 VIO							#20 AWG, Stranded, PTFE Teflon, Violet
46	6	W64,W73,W80,W85,W88,W107	20 BLK							#20 AWG, Stranded, PTFE Teflon, Black
47	2	W84,W87	20 YEL							#20 AWG, Stranded, PTFE Teflon, Yellow
48	1	W90	22 GRN							#22 AWG, Stranded, PTFE Teflon, Green
49	1	W91	22 ORN							#22 AWG, Stranded, PTFE Teflon, Green
50	4	W93,W95,W97,W99	18 BRN							#18 AWG, Stranded, PTFE Teflon, Orange