

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	1	BTH1	BA2032SM				BAT_2032SM	Memory Protection Devices BA2032SM	DigiKey BA2032SM-ND	HOLDER COIN CELL 2032 EJECT SMD
2	1	BT1	CR2032		220mAh	Li 3V	BAT DUMMY	Panasonic CR2032	DigiKey P189-ND	
3	3	C11,C13,C14	MMNL Contact			20-16AWG	DUMMY	AMP 171637-3		Contact, Mini Univeral Mate-N-Lok, 20-16AWG, Duplex Plated
4	1	C12	DF1E			Hirose Contact	DUMMY	Hirose DF1E-2022SCA		Crimping Contact
5	18	C1,C2,C6,C30,C31,C42,C44,C48,C63,C64,C65,C68,C71,C74,C86,C93,C110,C119	1uF		50V	X7R	CAPC_1210	Kemet C1210C105K4RACTU	DigiKey 399-3076-1-ND	
6	32	C3,C4,C5,C7,C8,C9,C11,C13,C14,C17,C20,C24,C27,C28,C41,C43,C45,C47,C49,C50,C53,C54,C55,C58,C67,C72,C84,C89,C102,C103,C113,C116	0.1	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
7	15	C10,C12,C16,C21,C25,C40,C51,C62,C79,C85,C91,C97,C106,C109,C114	10uF	0.1	16V	X5R	CAPC_1210	Kemet C1210C106K4PACTU	DigiKey 399-3150-1-ND	
8	1	C15	47pF	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
9	3	C18,C22,C108	470pF			C0G	CAPC_0805	Vishay/Vitramon VJ0805A471JXBMT	Garrett 0805 Lab Kit	
10	10	C19,C23,C52,C76,C92,C104,C105,C107,C117,C118	0.33			X7R	CAPC_1206	Vishay VJ1206Y334KXAMT	Garrett	
11	4	C26,C29,C56,C57	68uF		16V	T495D	CAPMP7343N	Kemet T495D686K016AS	DigiKey 399-3200-1-ND	CAPACITOR TANT 68UF 16V 10% 0.15 OHM
12	2	C32,C33	0.01		630V	X7R	CAPC_1206	Panasonic ECJ-3FB2J103K	DigiKey PCC2292CT-ND	
13	4	C34,C35,C36,C37	1000 uF		16V	Al Elect High Ripple	CAPPR5.0-10X20	Panasonic EEU-FM1C102	DigiKey P12366-ND	CAP 1000UF 16V ELECT FM RADIAL
14	2	C38,C61	0.01	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
15	3	C39,C60,C115	47pF			C0G	CAPC_0805	Vishay/Vitramon VJ0805A471JXBMT	Garrett 0805 Lab Kit	
16	1	C46	0.039	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
17	2	C59,C120	TBD	0.1	Rating	X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
18	1	C66	0.022	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
19	10	C69,C70,C75,C81,C83,C87,C88,C94,C98,C99	0.0033			Y1	CAPD10_07X13	Panasonic ECK-DNA332ME	DigiKey P10453-ND	CAP 3300PF 250V CERAMIC DISC Y1
20	2	C73,C90	10 uF		450V	Al Elect High Ripple	CAPPR5.0-12.5X20	PanasonicEEU-EB2W100	DigiKey P5946-ND	CAP 10UF 450V ELECT EB RADIAL, 12.5mm dia x 20mm
21	5	C77,C80,C95,C101,C111	0.015	0.1		X7R	CAPC_0805	Vishay Vitramon VJ0805Y	Garrett Lab Kit VJ0805 X7R	
22	5	C78,C82,C96,C100,C112	0.47uF		50V	X7R	CAPC_1210	Kemet C1210C474K5RACTU	DigiKey 399-3089-1-ND	
23	1	DS1	LAMP NEON			A1C	AIC_NEON	Chicago Miniature Lamp A1C	Mouser 606-A1C	95/135V T-2 NEON LMP
24	3	D1,D7,D12	15V		5kW		TVSP_5KP	Littelfuse 5KP15A	DigiKey 5KP15ACCCT-ND	
25	13	D2,D3,D4,D6,D9,D11,D26,D32,D37,D39,D44,D45,D51	70DW-04				SOT65P210-6N	Diodes Inc BAS70DW-04-7	DigiKey BAS70DW-04DICT-ND	
26	10	D5,D10,D16,D33,D40,D55,D56,D57,D58,D59	805			Green	LEDC_0805	Lite-On LTST-C170KGKT	DigiKey 160-1414-1-ND	LED GREEN CLEAR 0805 SMD
27	3	D13,D22,D29	15V		600W	SMBJ15A	DIOM5536NX262M_2C	DiodesInc SMBJ15A-13	DigiKey SMBJ15ADICT-ND	
28	1	D17	MBR1060		10A		TO_220_3_W/7-340-1CTSHEATSINK	ON Semiconductor MBR1060G	DigiKey MBR1060GOS-ND	DIODE SCHOTTKY 60V 10A TO220
29	5	D18,D20,D23,D24,D25	B120-13-F		20V	1A	DIOM5226X152N	Diodes Inc B120-13-F	DigiKey B120-FDICT-ND	
30	1	D19	5V		600W	SMBJ5.0A	DIOM5536NX262M_2C	DiodesInc SMBJ5.0A-13	SMBJ5.0ADICT-ND	TVS UNI-DIR 5.0V 600W SMB
31	1	D21	24V		1W	SMAZ24	DIOM5226X152N_2C	Diodes Inc SMAZ24-13-F	DigiKey SMAZ24-FDICT-ND	DIODE ZENER 1W 24V SMA
32	6	D27,D28,D30,D52,D53,D54	SDM10K45				SOD2514X105N	Diodes Inc SDM10K45-7-F	DigiKey SDM10K45-FDICT-ND	DIODE SCHOTTKY 45V 200MW SOD323
33	4	D31,D38,D46,D48	220V		1.5kW		CAPPA20.96-10.16X5.715	Vishay 1.5KE220A	Newark 09F2542	
34	5	D34,D36,D41,D43,D50	13V		150mW	MAZ81300	DIOM2512N	Panasonic MAZ81300MLC	DigiKey MAZ81300MLCT-ND	DIODE ZENER 13V 150MW S-MINI 2P
35	4	D35,D42,D47,D49	200V		1.5kW		CAPPA20.96-10.16X5.715	Vishay 1.5KE200A	Newark 09F2534	
36	28	FB1,FB2,FB3,FB4,FB7,FB8,FB9,FB10,FB11,FB12,FB13,FB14,FB15,FB16,FB17,FB18,FB19,FB21,FB23,FB24,FB25,FB27,FB29,FB30,FB31,FB32,FB33,FB34	600 ohms @ 100MHz		300 mA	603	FB_0603	Steward HZ0603C601R	DigiKey 240-1143-1-ND	
37	2	FB5,FB6	31 ohms @ 100MHz		3A	805	FB_0805	Steward HI0805Q310R	DigiKey 240-1007-1-ND	
38	4	FB20,FB22,FB26,FB28	56 ohms @ 100MHz		10A	1612	FB_1612	Steward DM1612X560R	DigiKey 240-1128-1-ND	
39	1	FC1	1A3399			5x20mm	FUSE_BK/1A3399-10	Bussmann BK/1A3399-10	Mouser 504-1A3399-10	Fuse Clip PC Mount Bronze/Tin
40	1	F1	16A			5x20 Time-Lag	DUMMY	Wickmann 1952160000	DigiKey WK5074-ND	FUSE TIME-LAG 16.00A IEC 5X20MM

41	1	HS1	Heatsink			7-340-1PP	DUMMY	IERC 7-340-1PP-BA	DigiKey 294-1034-ND	HEATSINK PWR VERT BLACK TO-220, 14 deg/W
42	5	HS2,HS3,HS4,HS5,HS6	Heatsink			230-75AB	DUMMY	Wakefield 230-75AB	DigiKey 345-1040-ND	HEATSINK TO-220 VERT/HORZ BLK
43	13	JMP1,JMP2,JMP3,JMP4,JMP5, JMP6,JMP7,JMP8,JMP9, JMP10,JMP11,JMP12,JMP13	PWB Jumper				JUMP 100			Two-Pin Shunt Post 0.100" spacing
44	2	J1,J2	MUMNL8J				AMP 794065-2 8	AMP 794065-2	DigiKey A25605-ND	Header, Mini Universal Mate-N-Lok, Dual Row, Straight, 8 Circuit, Duplex Plated
45	4	J3,J4,J6,J7	MMNL6J				AMP 1-770178-0 6	AMP 770178-1	DigiKey A32457-ND	Header, Mini Universal Mate-N-Lok, Dual Row, Vertical, 6 Circuit, Duplex Plated
46	2	J5,J8	DF1EC-4P				HIROSE DF1EC-4P-2.5DSA	Hirose DF1EC-4P-2.5DSA(01)		Hirose 4-pin header from MMC Backplane
47	8	J9,J10,J11,J12,J13,J14, J15,J16	MMNL4J				AMP 770174-2 4	AMP770174-2	DigiKey A25599-ND	Header, Mini Universal Mate-N-Lok, Dual Row, Right Angle, 4 Circuit, Duplex Plated
48	6	K1,K2,K3,K4,K5,K6	PD5A-235				SW KIOVAC PD5	Kilovac PD5A235		Vacuum Relay, SPST-NO
49	1	L1	BNX-005		50V/15A		FIL BNX00	Murata BNX005-01		
50	1	L2	330uH		0.86A	DS5022P	IND DS5022P-334	Coilcraft DS5022P-334	Coilcraft direct (website)	Shielded Drum Core
51	1	L3	5.3uH		3A	VP5-0083	XFMR VP5	CooperBussmann Coiltronics VP5-0083	Arrow VP5-0083	Versa-Pac Inductor
52	1	L4	ACM1211-102				XFMR ACM1211	TDK ACM1211-102-2PL	DigiKey 445-2213-1-ND	CHOKE COMM MODE 1000 OHM 6A SMD
53	1	L5	806 uH		.06A	VP1-1400	XFMR VP1	CooperBussmann Coiltronics VP1-1400	Allied 344-0147	Versa-Pac Inductor
54	1	L6	275uH		13A	P3218-AL	XFMR P3218-AL	Coilcraft P3218-AL	factory direct	Common Mode Inductor, Toroidal
55	1	L7	501-1				XFMR WC MAG-501- SM	West Coast Magnetics 501-1		Common Mode Inductor, 1980 uH
56	23	NS1,NS2,NS3,NS4,NS5,NS6, NS7,NS8,NS9,NS10,NS11, NS17,NS18,NS19,NS20,NS21, NS22,NS23,NS24,NS25,NS26, NS27,NS28	NetSep				NET SEPARATOR			
57	1	P1	MMNL8P				DUMMY	AMP 770579-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 8 Circuit
58	1	P2	DF1E-4S			Hirose Housing	DUMMY	Hirose DF1E-4S-2.5C		Socket, Double Row, 4 Contact, 2.5mm, Crimping Socket, CL 541-0813-5-**
59	1	P3	MMNL6P				DUMMY	AMP 172168-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, 6 Circuit
60	1	P4	MMNL4P				DUMMY	AMP 172167-1		Housing, Mini Universal Mate-N-Lok, Free Hanging, Dual Row, 4 Circuit
61	6	Q1,Q2,Q3,Q4,Q9,Q12	SUB75P03-07		30V		TO 263-3	Vishay SUB75P03-07	Mouser 781-SUB75P03-07	P-Channel MOSFET TO-263 30V 75A 187W
62	1	Q5	FDV301N		25V		SOT95P237-3N 132	Fairchild FDV301N	DigiKey FDV301NCT-ND	MOSFET, N-ch, Logic Level
63	1	Q6	IRLR2905Z		55V		TO 252-3	Intl Rect IRLR2905Z	Intl Rect CC Sales	55V 22mOhm 35nC MOSFET
64	1	Q7	2N7002		60V		SOT95P237-3N 132	Fairchild 2N7002	DigiKey 2N7002NCT-ND	MOSFET N-CH 60V 115MA SOT-23
65	1	Q8	MMBT3906		-40V/-200mA		SOT95P237-3N 231	Fairchild MMBT3906	DigiKey MMBT3906FSCT-ND	TRANSISTOR GP PNP AMP SOT-23
66	5	Q10,Q11,Q13,Q14,Q15	SPA17N80		800V		TO 220 3 FP W/230-75AB HS	Infineon SPA17N80C3	Digi-Key SPA17N80C3IN-ND	MOSFET N-CH 800V 17A TO220FP
67	2	R1,R49	33k	0.05	.063W	745C	RESCA127P320X640X70-10N	CTS 745C101333JTR	DigiKey 745C101333JCT-ND	DIP Network, Bussed
68	1	R2	1M		1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
69	1	R3	0.005	0.01	1W	WSK	RESC WSK2512	Vishay Dale WSK2512-0.005-1%	Mouser 71-WSK2512-0.005/R	4-Terminal Resistor
70	3	R4,R21,R27	102k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
71	4	R5,R8,R13,R57	1k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
72	4	R6,R20,R28,R125	10.0k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
73	1	R7	2.94k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
74	1	R9	68	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
75	12	R10,R12,R84,R89,R93,R95, R106,R111,R119,R123,R135, R136	180	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
76	1	R11	140	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
77	6	R14,R43,R50,R62,R63,R65	10k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
78	4	R15,R18,R22,R26	590k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
79	2	R16,R23	26.1k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
80	2	R17,R24	78.7k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
81	3	R19,R74,R102	4.7k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
82	1	R25	6.2k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
83	1	R29	35.7k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
84	1	R30	21.0k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
85	4	R31,R141,R142,R144	100k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
86	2	R32,R99	330	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
87	2	R33,R52	115k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
88	3	R34,R54,R114	20.0k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
89	3	R35,R55,R61	162k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
90	1	R36	500			3266W	TRIM 3266W	Bourns 3266W-1-501	DigiKey 3266W-501-ND	POT 500 OHM 1/4" SQ CERM SL MT
91	1	R37	10	0.05			RESC 0805	KOA RK73B	Garrett 0805 5% Lab Kit	
92	1	R38	0.03	0.01	1/4 W		RESC 1206	Vishay/Dale WSL1206R0300FEA	DigiKey WSLC-.03CT-ND	
93	1	R39	11.0k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
94	1	R40	0.025	0.01	1/4 W		RESC 1206	Vishay/Dale WSL1206R0250FEA	DigiKey WSLC-.025CT-ND	
95	3	R41,R44,R46	576k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
96	3	R42,R45,R47	1.07M	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
97	1	R48	249	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
98	3	R51,R53,R59	TBD	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
99	3	R56,R107,R145	680	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
100	1	R58	3	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
101	1	R60	22.6k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
102	2	R64,R66	33k	0.05	.063W	4816P-1	SOIC127P762X215-16N	Bourns 4816P-T01-333	DigiKey 4816P-1-333-ND	RES NET 16 SMD ISOLATED 33K OHM
103	1	R67	25.5k	0.001	1/10 W		RESC 0805	Panasonic ERA-6YEB243V	DigiKey P24KZCT-ND	

104	1	R68	2.0k	0.001	1/10 W		RESC 0805	Panasonic ERA-6YEB102V	DigiKey P1.0KZCT-ND	
105	1	R69	100	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
106	8	R70,R72,R87,R92,R109, R117,R124,R133	3.00M	0.01	1/2W	HVR37	RES17.15-12X4	Phoenix Passive HVR37	Digi-Key PPCHF	
107	4	R71,R81,R103,R127	95.3k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
108	2	R73,R101	1.00k	0.01			RESC 0805	KOA Speer RK73H	Garrett 0805 1% Lab Kit	
109	1	R75	2.4k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
110	1	R76	680k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
111	5	R77,R96,R137,R138,R139	120k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
112	2	R78,R128	13.0k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
113	4	R79,R80,R98,R100	49.9k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
114	2	R82,R108	10k			3266W	TRIM 3266W	Bourns 3266W-103-ND	DigiKey 3266W-103-ND	POT 10K OHM 1/4" SQ CERM SL MT
115	3	R83,R105,R129	1.15M	0.01	1/2W	HVR37	RES17.15-12X4	Phoenix Passive HVR37	Digi-Key PPCHF	
116	5	R85,R88,R104,R115,R131	665k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
117	5	R86,R91,R110,R116,R132	158k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
118	1	R90	0.5	0.01	1 W	WSL	RESC 2512	Vishay/Dale WSL2512R5000FEA	DigiKey WSLG-.50CT-ND	
119	3	R94,R120,R134	0.33	0.01	1 W		RESC 2512	Vishay/Dale WSL2512R3300FEA	DigiKey WSLG-.33CT-ND	
120	1	R97	22k	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
121	1	R112	0.5	0.01	1 W		RESC 2512	Vishay/Dale WSL2512R5000FEA	DigiKey WSLG-.50CT-ND	
122	1	R113	66.5k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
123	4	R118,R126,R140,R143	220	0.05	1/8 W		RESC 0805	KOA RK73B2A	Garrett Lab Kit 0805 5% RK73B2A	
124	1	R121	1.87k	0.01	1/8 W		RESC 0805	KOA Speer RK73H2A	Garrett Lab Kit 0805 1% RK73H2A	
125	1	R122	100			3266W	TRIM 3266W	Bourns 3266W-1-101	DigiKey 3266W-101-ND	POT 100 OHM 1/4" SQ CERM SL MT
126	1	R130	330k	0.01	1/2W	HVR37	RES17.15-12X4	Phoenix Passive HVR37	Digi-Key PPCHF	
127	2	SS1,SS2	929852				DUMMY	3M 929852-01-36-10	DigiKey 929852-01-36-ND	Boardmount Socket, Dual Row, Gold
128	5	ST1,ST3,ST4,ST5,ST6	SCREW TERMINAL				MTG 8			
129	8	ST2,ST7,ST8,ST9,ST10, ST11,ST12,ST13	SCREW TERMINAL				MTG 4			
130	1	SW1	EVOPPBA25				SW EVQ-PPBAS5	Panasonic EVQ-PPBA25	DigiKey PB086SCT-ND	Pushbutton Sw, J-Lead
131	26	TP1,TP2,TP3,TP4,TP5,TP6, TP7,TP8,TP9,TP10,TP11, TP12,TP13,TP14,TP15,TP16, TP17,TP18,TP19,TP21,TP23, TP25,TP31,TP32,TP33,TP34	T POINT S				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
132	1	TP20	+400V Sw0				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
133	1	TP22	400V Sw0 Com				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
134	1	TP24	+400V Sw1				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
135	1	TP26	400V Sw1 Com				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
136	1	TP27	+400V Sw2				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
137	1	TP28	+400V				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
138	1	TP29	400V Com				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
139	1	TP30	400V Sw2 Com				TP 5015	Keystone 5015	DigiKey 5015KCT-ND	SMT Test Point .040"ii
140	3	U1,U45,U61	LT1460S3-3.3	0.002	0-70C		SOT95P237-3N 132	Linear Tech LT1460HCS3-3.3	Linear website	3.3V Reference/Regulator
141	2	U2,U34	74HC595				SOIC127P599-16N	Fairchild MM74HC595M	DigiKey MM74HC595M-ND	8 Bit Shift Register
142	1	U3	74HC138				SOIC127P599-16N	Fairchild MM74HC138M	DigiKey MM74HC138M-ND	
143	4	U4,U6,U35,U37	NC7S14				SOT95P280-5N	Fairchild NC7S14M5X	DigiKey NC7S14M5CT-ND	Schmitt Inverter
144	2	U5,U30	LTC1726-2.5				SOIC127P600-8N	Linear Tech LTC1726ES8-2.5		Triple Supply Monitor and Watchdog Timer
145	2	U7,U36	ADuM1401		1 MBPS Max		SOIC127P1032-16N	Analog Devices ADuM1401ARW		Digital Isolator
146	11	U8,U12,U17,U21,U32,U47, U53,U56,U60,U63,U67	LTC2433		0-70C		TSSOP50P490-10N	Linear Tech LTC2433-1CMS		16 Bit SigmaDelta A/D
147	5	U9,U18,U22,U46,U64	OP196				SOIC127P600-8N	Analog Devices OP196GS		Micropower Op Amp
148	1	U10	CF-2				PERSISTOR CF2	Persistor Instruments Inc		Data Logger
149	2	U11,U13	74AHC1G125				SOT95P280-5N	Texas Inst SN74AHC1G125DBVR	DigiKey 296-8744-1-ND	Bus Buffer
150	2	U14,U38	AT25040		2.1 MHz		SOIC127P600-8N	Atmel AT25040N-10SI-2.7	DigiKey AT25040N-10SI-2.7-ND	Serial SPI EEPROM, 512 x 8, 2.7V, Narrow SOIC-8
151	3	U15,U19,U62	LTC1440				SOIC127P600-8N	LinearTech LTC1440IS8	DigiKey LTC1440IS8-ND	IC COMP W/REF LP SINGLE 8-SOIC
152	4	U16,U20,U51,U57	LTC4414				TSOP65P490X110-8N	Linear Tech LTC4414EMS8		Or-ing Diode Controller
153	1	U23	MAX5033D				SOIC127P600-8N	Maxim MAX5033DUSA		Stepdown DC-DC, Adjustable Output
154	1	U24	LTC1871				TSSOP50P490-10N	Linear Tech LTC1871EMS	Linear Tech LTC1871EMS	DigiKey LTC1871EMS-ND
155	2	U25,U43	74HC14				SOIC127P600-14N	TI SN74HC14DR	DigiKey 296-1194-1-ND	IC HEX SCHMITT-TRIG INV 14-SOIC
156	2	U26,U40	74HC589/SO				SOIC127P599-16N	Fairchild MM74HC589M		
157	3	U27,U29,U31	DRV103				SOIC127P600-8N	TexasInst DRV103U	DigiKey 296-11622-ND	IC PWM LO-SIDE DRVR 8-SOIC
158	1	U28	74HC594				SOIC127P599-16N	Fairchild MM74HC594M	DigiKey MM74HC594M-ND	8 Bit Shift Register
159	1	U33	AD592CN				TO 92 123	AnalogDevices AD592CN	DigiKey AD592CN-ND	IC TEMP TRANSDUCER 2-TERM TO-92
160	1	U41	LTC1871				TSSOP50P490-10N	Linear Tech LTC1871EMS	DigiKey LTC1871EMS-ND	IC CONTRLR CURRENT MODE 10-MSOP
161	1	U42	LMV431				SOT95P280-5N	National LMV431AIM5	DigiKey LMV431AIM5CT-ND	IC REG ADJ PREC SHUNT SOT23-5
162	1	U44	LR8				TO 252-3 123	Supertex LR8K4-G	Mouser 689-LR8K4-G	450V 3-Terminal Linear Reg TO252-3
163	5	U48,U49,U54,U59,U65	ADM1073				TSOP65P640X120-14N	AnalogDevices ADM1073ARU	AnalogDevices direct order	Full-Feature -48V Hot Swap Ctrlr
164	2	U50,U55	VI-J62-CZ			Vicor	VICORVI-J00MINIMOD REVERSE	Vicor VI-J62-CZ		
165	3	U52,U58,U66	HCPL-0701				SOIC127P600-8N	Fairchild Semi HCPL0701	Mouser 512-HCPL0701	Split Darlington Optocoupler
166	5	U70,U71,U72,U73,U74	MOC207		70V		SOIC127P600-8N	Fairchild MOC207M	DigiKey MOC207M-ND	
167	2	1,2	WARNING TRIANGLE				DUMMY			