

BOM 12ST05v031	
Prepare: TOMASZ.RYCZKO	8/22/2007 17:28
PCB 700-ST-120V	
9952	

PART TYPE	QUAN TITY	JM	DESIGNATOR	NOTES
1 DIODE SMD BAS16 SOT23	22	Y	QT D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24	
2 RESISTOR SMD 1K 1% 0.125W 100PPM PACK. 0805	5	Y	QT R26, R37, R38, R154, R155	
3 RESISTOR SMD 2K2 1% 0.125W 100PPM PACK. 0805	6	Y	QT R118, R119, R120, R121, R144, R175	
4 RESISTOR SMD 3K3 1% 0.125W 100PPM PACK. 0805	5	Y	QT R36, R113, R114, R115, R116	
5 RESISTOR SMD 4K7 1% 0.125W 100PPM PACK. 0805	13	Y	QT R39, R41, R42, R43, R44, R45, R46, R47, R48, R50, R51, R86, R110	
6 RESISTOR SMD 10K 1% 0.125W 100PPM PACK. 0805	24	Y	QT R27, R40, R84, R85, R87, R91, R92, R93, R94, R95, R97, R98, R100, R101, R102, R103, R117, R165, R166, R167, R168, R169, R170, R171	
7 RESISTOR SMD 22K 1% 0.125W 100PPM PACK. 0805	8	Y	QT R23, R24, R53, R54, R55, R56, R57, R58	
8 RESISTOR SMD 100K 1% 0.125W 100PPM PACK. 0805	6	Y	QT R19, R20, R21, R22, R25, R122	
9 RESISTOR SMD 1M 1% 0.125W 100PPM PACK. 0805	1	Y	QT R162	
10 RESISTOR SMD 10R 1% 0.125W 100PPM PACK. 0805	2	Y	QT R129, R158	
11 RESISTOR SMD 33K 1% 0.125W 100PPM PACK. 0805	2	Y	QT R96, R138	
12 RESISTOR SMD 100R 1% 0.125W 100PPM PACK. 0805	2	Y	QT R111, R112	
13 RESISTOR SMD 47R 1% 0.125W 100PPM PACK. 0805	1	Y	QT R33	
14 RESISTOR SMD 7K5 1% 0.125W 100PPM PACK. 0805	1	Y	QT R18	
15 RESISTOR SMD 33R 1% 0.125W 100PPM PACK. 0805	1	Y	QT R17	
16 RESISTOR SMD 6K8 1% 0.125W 100PPM PACK. 0805	4	Y	QT R29, R149, R150, R151	
17 RESISTOR SMD 180R 1% 0.125W 100PPM PACK. 0805	1	Y	QT R140	
18 RESISTOR SMD 39K 1% 0.125W 100PPM PACK. 0805	1	Y	QT R136	
19 RESISTOR SMD 10K 1% 0.25W 100PPM PACK. 1206	6	Y	QT R11, R12, R13, R14, R15, R16	
20 RESISTOR SMD 10R 1% 0.25W 100PPM PACK. 1206	9	Y	QT R59, R60, R61, R62, R63, R64, R65, R164, R172	
21 RESISTOR SMD 100K 1% 0.25W 100PPM PACK. 1206	20	Y	QT R32, R68, R69, R70, R71, R72, R73, R74, R75, R80, R81, R82, R83, R88, R89, R90, R123, R124, R125, R126	
22 RESISTOR SMD 4K7 1% 0.25W 100PPM PACK. 1206	2	Y	QT R145, R146	
23 RESISTOR SMD 82K 1% 0.125W 100PPM PACK. 0805	1	Y	QT R160	
24 RESISTOR SMD 330R 1% 0.125W 100PPM PACK. 0805	6	Y	QT R104, R105, R106, R107, R108, R109	

25	RESISTOR SMD 100R 1% 0.25W 100PPM PACK. 1206	6	QT Y	R1, R2, R7, R8, R9, R10	
26	RESISTOR SMD 0R 5% 0.125W 200PPM PACK. 0805	1	QT Y	R28	
27	RESISTOR SMD 2K 1% 0.125W 100PPM PACK. 0805	3	QT Y	R49, R161, R176	
28	RESISTOR SMD 33R 1% 0.25W 100PPM PACK. 1206	1	QT Y	R133	
29	RESISTOR SMD 3K3 1% 0.25W 100PPM PACK. 1206	1	QT Y	R142	
30	RESISTOR SMD 30K 1% 0.125W 100PPM PACK. 0805	1	QT Y	R31	
31	RESISTOR SMD 1K5 1% 0.125W 100PPM PACK. 0805	1	QT Y	R141	
32	RESISTOR SMD 2K4 1% 0.125W 100PPM PACK. 0805	1	QT Y	R148	
33	RESISTOR SMD 47R 1% 0.25W 100PPM PACK. 1206	2	QT Y	R173, R174	
34	RESISTOR SMD 4K3 1% 0.125W 100PPM PACK. 0805	1	QT Y	R143	
35	RESISTOR SMD 5K6 1% 0.125W 100PPM PACK. 0805	1	QT Y	R30	
36	RESISTOR SMD 20K 1% 0.125W 100PPM PACK. 0805	2	QT Y	R99, R159	
37	RESISTOR SMD 0R 5% 0.25W 200PPM PACK. 1206	2	QT Y	R3, R5	
38	RESISTOR SMD 51R 1% 0.25W 100PPM PACK. 1206	2	QT Y	R4, R6	
39	RESISTOR SMD 820R 1% 0.125W 100PPM PACK. 0805	1	QT Y	R147	
40	RESISTOR SMD 5K6 1% 0.25W 100PPM PACK. 1206	1	QT Y	R139	
41	RESISTOR SMD 16K 1% 0.125W 100PPM PACK. 0805	1	QT Y	R134	
42	RESISTOR SMD 36K 1% 0.125W 100PPM PACK.0805	1	QT Y	R153	
43	RESISTOR SMD 43K 1% 0.125W 100PPM PACK.0805	1	QT Y	R135	
44	RESISTOR SMD 47K5 1% 0.125W 100PPM PACK. 0805	2	QT Y	R156, R157	
45	RESISTOR SMD 750K 1% 0.25W 100PPM PACK. 1206	3	QT Y	R130, R131, R132	
46	RESISTOR SMD 360K 1% 0.25W 100PPM PACK. 1206	4	QT Y	R76, R77, R78, R79	
47	CAPACITOR SMD 100NF 10% 50V X7R PACK. 0805	28	QT Y	C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C41, C48, C72, C106	
48	CAPACITOR SMD 10NF 10% 100V X7R PACK. 0805	12	QT Y	C67, C68, C70, C71, C74, C76, C77, C79, C80, C83, C84, C85	
49	CAPACITOR SMD 22PF 5% 50V NPO PACK. 0805	4	QT Y	C88, C89, C91, C92	
50	CAPACITOR SMD 1NF 5% 50V X7R PACK. 0805	6	QT Y	C34, C37, C38, C43, C49, C73	
51	CAPACITOR SMD 4N7 5% 50V X7R PACK. 0805	1	QT Y	C33	
52	CAPACITOR SMD 1UF 10% 50V X7R PACK. 1206	1	QT Y	C110	
53	CAPACITOR SMD 1N5 5% 50V NPO PACK. 0805	4	QT Y	C115, C116, C117, C118	
54	CAPACITOR SMD 22NF 10% 100V X7R PACK. 0805	1	QT Y	C112	
55	CAPACITOR SMD 100PF 10% 50V X7R PACK. 0805	16	QT Y	C35, C36, C39, C40, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61	

56	DIODE SMD ZENERA BZX84C12 SOT23	1	QT Y	ZD3	
57	PCB 12ST05V03	1	QT Y	PCB	
58	DIODE SMBYT01 SMB	2	QT Y	D1, D2	
59	DIODE STTH302S SMC	2	QT Y	D29, D30	
60	DIODE STTH1R06U SMB	1	QT Y	D37	
61	DUODIODE BAT54C_FILM SOT-23	1	QT Y	D39	
62	DUODIODE BAT54S_FILM SOT-23	1	QT Y	D40	
63	DUODIODE BAT54A_FILM SOT-23	1	QT Y	D41	
64	DIODE STTH102A SMA	4	QT Y	D42, D43, D44, D51	
65	DIODE STPS1L60A SMA	1	QT Y	D45	
66	DIODE BAT54_FILM SOT-23	1	QT Y	D46	
67	DIODE STTH1L06A SMA	2	QT Y	D47, D48	
68	TRANSISTOR MMBTA42 SOT23	1	QT Y	Q15	
69	IC L6387D	2	QT Y	U1, U2	
70	IC M95020WMN6P	1	QT Y	U10	
71	IC L6565D	1	QT Y	U11	
72	IC SMD TL431CD	1	QT Y	U12	
73	IC USB6B1RL	1	QT Y	U13	
74	IC TS555CDT	1	QT Y	U14	
75	IC ST72F63BE2M1	1	QT Y	U15	
76	IC M74HC4053RM13TR	1	QT Y	U24	
77	IC SMD L5970D	1	QT Y	U26	
78	IC LM324D	1	QT Y	U28	
79	IC ST72F324BJ6T6	1	QT Y	U29	
80	IC SG3525AP	1	QT Y	U3	
81	IC STM809LWX6F SOT23	1	QT Y	U8	
82	IC ULN2003D	1	QT Y	U9	
83	DIODE TRANSIL SM6T18A	2	QT Y	ZD1, ZD2	
84	INDUCTOR SMD 4U7 1.5R	5	QT Y	L3, L4, L5, L6, L7	
85	ZENER DIODE BZV55C10 SOD-80	2	QT Y	D31, D32	
86	ZENER DIODE BZV55C20 SOD-80	3	QT Y	D33, D34, D35	
87	ZENER DIODE BZV55C22 SOD-80	1	QT Y	D50	

88	ZENER DIODE BZV55C75 SOD-80		2	QT Y	D36, D49	
89	TRANSISTOR SMD BC857B SOT23		2	QT Y	Q12, Q14	
90	TRANSISTOR SMD BC846B SOT23		1	QT Y	Q13	
91	TRANSISTOR Z RESISTOR PDTC114ET SOT23		3	QT Y	U4, U6, U7	
92	WASHER M3-DIN125A ST		10	QT Y	HEATSINKY	
93	CORRUGATED WASHER M3-DIN137A ST		10	QT Y	HEATSINKY	
94	SCREW M3X8 PAN-DIN7985 PZ ST OCYNK 4,8		10	QT Y	HEATSINKY	
95	HEADER PIN PHD 80.	0.125		QT Y	J1, J15	
96	HEATSINK ALUMINIOWY 40X53X20		2	QT Y	Q5-Q6, Q7-Q8	
97	RELAY DPNO 12A-250V/24VDC SPEC		1	QT Y	RL1	
98	CAPACITOR 1N 500V Y5P R5		1	QT Y	C99	
99	BRIDGE RECT. 600V/6A KBU605		1	QT Y	BR1	
100	BRIDGE RECT. 600V/1.5A OKRĄGŁY		1	QT Y	BR2	
101	INDUCTOR 10UH 3A R5MM 19X8MM		3	QT Y	L9, L10, L11	
102	INDUCTOR 330UH 0.9A R5MM 12X9MM		1	QT Y	L12	
103	DIODE STPS8H100D TO-220		1	QT Y	D38	
104	TRANSISTOR STP5NK90Z TO220		1	QT Y	Q11	
105	TRANSISTOR STP75NF75 TO220		4	QT Y	Q5, Q6, Q7, Q8	
106	TRANSISTOR STP80PF55 TO220		2	QT Y	Q9, Q10	
107	THYRISTOR TYN608RG TO220		1	QT Y	TH1	
108	IC LD1086V50		1	QT Y	U27	
109	TRANSISTOR BDX53C TO-220		1	QT Y	Q16	
110	QWARTZ 16.00M HC49-S		1	QT Y	Y1	
111	RESISTOR METAL-FILM 1W 22R 5% AXIAL		1	QT Y	R152	
112	QWARTZ 24.00M HC49-S		1	QT Y	Y2	
113	RESISTOR METAL-FILM 2W 0R68 5% AXIAL		1	QT Y	R137	
114	RESISTOR METAL-FILM 2W 330R 5% AXIAL		1	QT Y	R66	
115	RESISTOR WIRE WOUND 3W 4R7 5%		1	QT Y	R52	
116	BUZZER 5V 4KHZ 13,8x6,8		1	QT Y	B1	
117	CAPACITOR 4N7 300VAC Y2 R7.5		2	QT Y	C119, C120	
118	CAPACITOR FKP 680PF 1600V R15		1	QT Y	C97	
119	RESISTOR METAL-FILM OXIDE 3W 120K 5% AXIAL		2	QT Y	R127, R128	

120	RESISTOR METAL OXIDE 3W 1K AXIAL	2	Y	QT	R34, R35	
121	CAPACITOR MKP 470NF X2 R22	1	Y	QT	C108	
122	FUSE SLOW 250V 1.25A	1	Y	QT	F3	
123	FERRIT 5X1.5X11	2	Y	QT	L1, L2	
124	CAPACITOR MKP 100NF X2 275VAC R15	1	Y	QT	C96	
125	CAPACITOR MKP 47NF X2 275VAC R15	2	Y	QT	C44, C95	
126	ELECT. CAPACITOR 10UF 35V 105C 5X11	5	Y	QT	C3, C4, C5, C6, C7	
127	ELECT. CAPACITOR 10UF LI 50V 105C 5X11	2	Y	QT	C62, C63	
128	ELECT. CAPACITOR 2U2F 50 V 105C 5X11	1	Y	QT	C109	
129	ELECT. CAPACITOR 22UF 35V 105C 5X11	2	Y	QT	C103, C104	
130	ELECT. CAPACITOR 47UF 35V 105C 5X11	3	Y	QT	C46, C113, C114	
131	ELECT. CAPACITOR 100UF 25V 105C 6X11	1	Y	QT	C32	
132	ELECT. CAPACITOR 10UF 25V 105C 6X11	2	Y	QT	C1, C2	
133	ELECT. CAPACITOR 47UF LI 50V 105C 6X11	1	Y	QT	C98	
134	ELECT. CAPACITOR 100UF LI 35V 105C 8X11	1	Y	QT	C105	
135	ELECT. CAPACITOR 100UF LI 50V 105C 8X15	1	Y	QT	C100	
136	ELECT. CAPACITOR 1000UF LI 50V 105C 16X25	2	Y	QT	C101, C102	
137	ELECT. CAPACITOR 3300UF LI 35V 105C 18X36	2	Y	QT	C64, C65	
138	FUSE SLOW 250V 3.15A	1	Y	QT	F2	
139	HEATSINK TYPE U 13K/W 37,5MM TO220	6	Y	QT	RAD1, RAD2, RAD3, RAD4, RAD11, RAD12	
140	RELAY RM84-2P 24V 8A	1	Y	QT	RL5	
141	TRANSFORMATOR TI50/30	1	Y	QT	T1	
142	TRANSOPTOR PC817C DIP4	8	Y	QT	U16, U17, U18, U19, U20, U21, U22, U23	
143	TRANSOPTOR SFH620A-2 DIP4	1	Y	QT	U25	
144	DIODE STTH803D TO-220AC	4	Y	QT	D25, D26, D27, D28	
145	TRANSISTOR STP22NS25Z TO220	4	Y	QT	Q1, Q2, Q3, Q4	
146	TRANSFORMATOR TI700/24/2	1	Y	QT	T11	
147	CAPACITOR CERAM 1N5 1KV R7.5	1	Y	QT	C86	
148	CAPACITOR 1000nF 400V 5% R22.5	1	Y	QT	C87	
149	FUSE SLOW 250V 2A	1	Y	QT	F1	
150	THERMISTOR 2R5 8A R7.5 17.5X5	2	Y	QT	RT1, RT2	
151	VARISTOR 175VAC 1W R10 23X7	1	Y	QT	RV1	

152	RUBBER PAD TO-220		2	QT Y	D38A, Q11A	
153	INSULATING SLEEVE TO-220		2	QT Y	D38B, Q11B	
154	RIVET 3X6MM		9	QT Y	RAD1A, RAD2A, RAD3A, RAD4A, RAD7A, RAD8A, RAD9A, RAD10A, RAD13A	
155	CAPACITOR ELEKT. 10UF 100V 20%		1	QT Y	C45	
156	WIRE 0.95MM		0.15	M	L1A, L2A, L8A, R67	
157	CAPACITOR ELEKR. 470UF 63V 20% RADIAL		1	QT Y	C66	
158	DIODE LED 3R RD LBR		1	QT Y	DL1	
159	CONNECTOR TYPE CANNON 9PIN FEMALE		1	QT Y	J14	
160	HEATSINK LM-317		5	QT Y	D25A, D26A, D27A, D28A, U27A	
161	CURRENT COIL 1000CT1307C		1	QT Y	L8	
162	USB CONNECTOR UBB-4R-D10T-1 JST		1	QT Y	J13	
163	RELAY RM85-1P 24V 16A		2	QT Y	RL2, RL3	
164	RELAY RM84-2P 24V 8A		1	QT Y	RL4	
165	PIN HEADER 2X5 PROSTE		1	QT Y	J2	
166	CONNECTOR 7-13330-8 MALE /100/		10	QT Y	J3, J4, J5, J6, J7, J8, J9, J10, J11, J17	
167	CABLE 3,2/140 WHITE UL94V2		1	QT Y	KABLE_AKU	
168	ACUMULATOR CABLE BLACK 500RACK REV.A		1	QT Y	AKU-	
169	CABLE ACUMULATOR RED 1600-02 - UPS_ST		1	QT Y	AKU+	