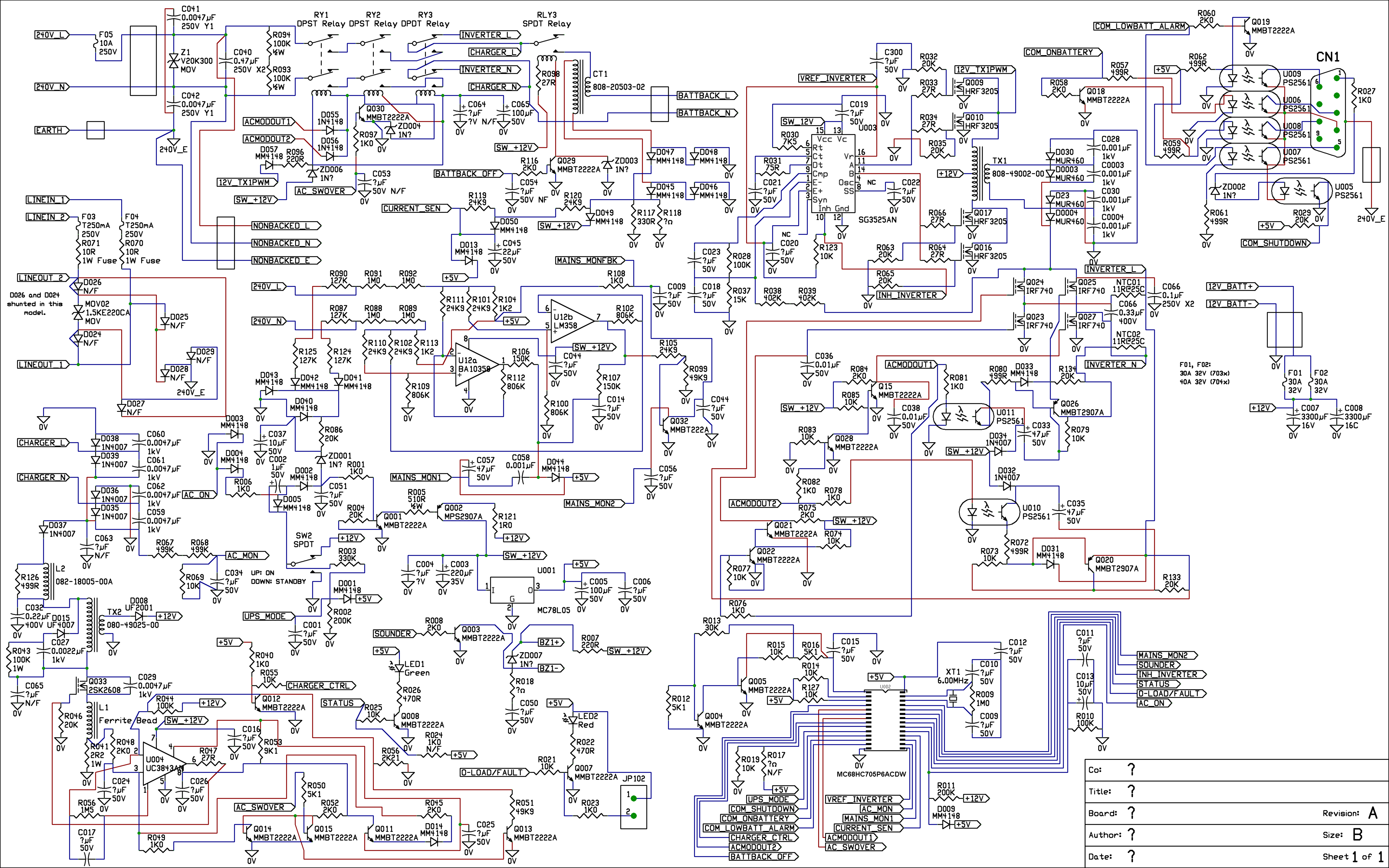


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AGENDA ELETRONICA; CALCULADORA; ARCADE;
ÁUDIO (DOMESTICO/AUTOMOTIVO); BINA; CHA-
VEADOR DE VIDEO; CAIXA REGISTRADORA E
IMPRESSORA; CIRCUITO FECHADO; DVD; ELE-
TRODOMÉSTICOS; FAX; FERRAMENTAS; FILMA-
DORA; FONTES; FAIXA DO CIDADÃO (PX);
GAMES; GMS; HANDY TERMINAL; IMPRESSORAS;
LOCOMOTIVAS; LUZ DE EMERGENCIA; MAQ.FO-
TOGRAFICA DIGITAL; MICRO ONDAS; MOBILE
COMMUNICATOR; MONITORES; MULTI-PROJETOR;
MULTITESTES; NOBREAK'S; NOTEBOOK; OSCI-
LOSCOPIO; PERSONAL COMPUTER/PALM; PRO-
JETOR; RADIO RELOGIO; RECEPTOR DE SATE-
LITE; SECRETARIA ELETRONICA; TECLADO /
ORGÃO; TELEFONE; TRANSMISSOR; TV; VCR

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Component List for SOLA UPS 305 (425VA) (Main-7043/7044B)

Code for Component Locations:

Underline On component side of PCB

Blue Not fitted.

Red Safety critical – MUST be replaced with same type and ratings.

Capacitors		C042	250V 0.0047uF Y1
C001	?uF 50V Ceramic SMD 0805	C043	?uF 50V Ceramic SMD 0805
C002	<u>1uF 50V RB Electrolytic</u>	C044	?uF 50V Ceramic SMD 0805
C003	<u>220uF 35V RB Electrolytic</u>	C045	<u>22uF 50V RB Electrolytic</u>
C004	?uF 50V Ceramic SMD 0805	C046	Not present
C005	<u>100uF 50V RB Electrolytic</u>	C047	Not present
C006	?uF 50V Ceramic SMD 0805	C048	Not present
C007	<u>3300uF 16V RB Electrolytic</u>	C049	Not present
C008	<u>3300uF 16V RB Electrolytic</u>	C050	<u>?uF 50V Ceramic SMD 0805</u>
C009	?uF 50V Ceramic SMD 0805	C051	?uF 50V Ceramic SMD 0805
C010	?uF 50V Ceramic SMD 0805	C052	<u>100uF 50V RB Electrolytic</u>
C011	?uF 50V Ceramic SMD 0805	C053	?uF 50V Ceramic SMD 0805
C012	?uF 50V Ceramic SMD 0805	C054	?uF 50V Ceramic SMD 0805
C013	<u>10uF 50V RB Electrolytic</u>	C055	Not present
C014	?uF 50V Ceramic SMD 0805	C056	?uF 50V Ceramic SMD 0805
C015	?uF 50V Ceramic SMD 0805	C057	<u>22uF 50V RB Electrolytic</u>
C016	?uF 50V Ceramic SMD 0805	C058	<u>0.001uF 50V Disc Ceramic</u>
C017	?uF 50V Ceramic SMD 0805	C059	<u>0.0047uF 1kV Disc Ceramic</u>
C018	?uF 50V Ceramic SMD 0805	C060	<u>0.0047uF 1kV Disc Ceramic</u>
C019	?uF 50V Ceramic SMD 0805	C061	<u>0.0047uF 1kV Disc Ceramic</u>
C020	?uF 50V Ceramic SMD 0805	C062	<u>0.0047uF 1kV Disc Ceramic</u>
C021	?uF 50V Ceramic SMD 0805	C063	<u>?uF ?V Disc Ceramic</u>
C022	?uF 50V Ceramic SMD 0805	C064	<u>?uF ?V RB Electrolytic</u>
C023	?uF 50V Ceramic SMD 0805	C065	<u>?uF ?V Disc Ceramic</u>
C024	?uF 50V Ceramic SMD 0805	C066	250V 0.1uF X2
C025	?uF 50V Ceramic SMD 0805	C300	?uF 50V Ceramic SMD 0805
C026	?uF 50V Ceramic SMD 0805	C0003	<u>0.001uF 1kV Disc Ceramic</u>
C027	<u>0.0022uF 1kV Disc Ceramic</u>	C0004	<u>0.001uF 1kV Disc Ceramic</u>
C028	<u>0.001uF 1kV Disc Ceramic</u>		
C029	<u>0.0047uF 1kV Disc Ceramic</u>	Resistors	
C030	<u>0.001uF 1kV Disc Ceramic</u>	R001	1K0 1% ¼W Metal Film 0805
C031	Not present	R002	200K 1% ¼W Metal Film 0805
C032	<u>0.22uF 400V Polyester</u>	R003	330K 1% ¼W Metal Film
C033	<u>47uF 50V RB Electrolytic</u>	R004	20K 1% ¼W Metal Film 0805
C034	?uF 50V Ceramic SMD 0805	R005	<u>510R 5% ½W Carbon Film</u>
C035	<u>47uF 50V RB Electrolytic</u>	R006	1K0 1% ¼W Metal Film 0805
C036	<u>0.01uF 50V Disc Ceramic</u>	R007	220R 1% ¼W Metal Film 1206
C037	<u>10uF 50V RB Electrolytic</u>	R008	2K0 1% ¼W Metal Film 1206
C038	<u>0.01uF 50V Disc Ceramic</u>	R009	1M0 1% ¼W Metal Film 0805
C039	<u>0.33uF 400V Polyester</u>	R010	100K 1% ¼W Metal Film 0805
C040	250V 0.47uF X2	R011	200K 1% ¼W Metal Film 0805
C041	250V 0.0047uF Y1	R012	5K1 1% ¼W Metal Film 0805

R013	30K 1% ¼W Metal Film 0805	R061	499R 1% ¼W Metal Film 0805
R014	10K 1% ¼W Metal Film 0805	R062	499R 1% ¼W Metal Film 0805
R015	10K 1% ¼W Metal Film 0805	R063	20K 1% ¼W Metal Film 0805
R016	5K1 1% ¼W Metal Film 0805	R064	270R 1% ¼W Metal Film 1206
R017	?K 1% ¼W Metal Film 0805	R065	20K 1% ¼W Metal Film 0805
R018	?R 1% ¼W Metal Film 1206	R066	270R 1% ¼W Metal Film 1206
R019	10K 1% ¼W Metal Film 0805	R067	499K 1% ¼W Metal Film 1206
R020	Not present	R068	499K 1% ¼W Metal Film 1206
R021	10K 1% ¼W Metal Film 0805	R069	10K 1% ¼W Metal Film 0805
R022	4K7 1% ¼W Metal Film 1206	R070	10R 5% 1W Carbon Film Fus.
R023	1K0 1% ¼W Metal Film 0805	R071	10R 5% 1W Carbon Film Fus.
R024	?K 1% ¼W Metal Film 0805	R072	499R 1% ¼W Metal Film 1206
R025	10K 1% ¼W Metal Film 0805	R073	10K 1% ¼W Metal Film 0805
R026	4K7 1% ¼W Metal Film 1206	R074	10K 1% ¼W Metal Film 1206
R027	1K0 1% ¼W Metal Film 0805	R075	2K0 1% ¼W Metal Film 0805
R028	100K 1% ¼W Metal Film 0805	R076	1K0 1% ¼W Metal Film 0805
R029	20K 1% ¼W Metal Film 0805	R077	10K 1% ¼W Metal Film 0805
R030	7K5 1% ¼W Metal Film 0805	R078	1K0 1% ¼W Metal Film 0805
R031	47R 1% ¼W Metal Film 0805	R079	10K 1% ¼W Metal Film 0805
R032	20K 1% ¼W Metal Film 0805	R080	499R 1% ¼W Metal Film 1206
R033	270R 1% ¼W Metal Film 1206	R081	1K0 1% ¼W Metal Film 0805
R034	270R 1% ¼W Metal Film 1206	R082	1K0 1% ¼W Metal Film 0805
R035	20K 1% ¼W Metal Film 0805	R083	10K 1% ¼W Metal Film 0805
R036	Not present	R084	2K0 1% ¼W Metal Film 0805
R037	15K 1% ¼W Metal Film 0805	R085	10K 1% ¼W Metal Film 1206
R038	402K 5% 1W Carbon Film	R086	200K 1% ¼W Metal Film 0805
R039	402K 5% 1W Carbon Film	R087	127K 1% ¼W Metal Film
R040	1K0 1% ¼W Metal Film 0805	R088	1M0 1% ¼W Metal Film
R041	2R2 5% 1W Carbon Film	R089	1M0 1% ¼W Metal Film
R042	Not present	R090	127K 1% ¼W Metal Film
R043	100K 5% 1W Carbon Film	R091	1M0 1% ¼W Metal Film
R044	100K 1% ¼W Metal Film 0805	R092	1M0 1% ¼W Metal Film
R045	2K0 1% ¼W Metal Film 1206	R093	100K 1% ½W Metal Film SMD
R046	20K 1% ¼W Metal Film 0805	R094	100K 1% ½W Metal Film SMD
R047	270R 1% ¼W Metal Film 1206	R095	Not present
R048	2K0 1% ¼W Metal Film 1206	R096	220R 1% ¼W Metal Film 1206
R049	2K0 1% ¼W Metal Film 1206	R097	1K0 1% ¼W Metal Film 1206
R050	5K1 1% ¼W Metal Film 0805	R098	27R 1% ¼W Metal Film 0805
R051	49K9 1% ¼W Metal Film 0805	R099	49K9 1% ¼W Metal Film 0805
R052	2K0 1% ¼W Metal Film 1206	R100	806k 1% ¼W Metal Film 0805
R053	9K1 1% ¼W Metal Film 0805	R101	24K9 1% ¼W Metal Film 0805
R054	10K 1% ¼W Metal Film 0805	R102	24K9 1% ¼W Metal Film 0805
R055	2K21 1% ¼W Metal Film 0805	R103	80K6 1% ¼W Metal Film 0805
R056	1M5 1% ¼W Metal Film 0805	R104	1K2 1% ¼W Metal Film 0805

R057	499R 1% ¼W Metal Film 0805	R105	24K9 1% ¼W Metal Film 0805
R058	2K0 1% ¼W Metal Film 0805	R106	150K 1% ¼W Metal Film 1206
R059	499R 1% ¼W Metal Film 0805	R107	150K 1% ¼W Metal Film 1206
R060	2K0 1% ¼W Metal Film 1206	R108	1K0 1% ¼W Metal Film 0805
R109	806K 1% ¼W Metal Film 0805	Q020	PNP BIPOLAR MMBT2907A
R110	24K9 1% ¼W Metal Film 0805	Q021	NPN BIPOLAR MMBT2222A
R111	24K9 1% ¼W Metal Film 0805	Q022	NPN BIPOLAR MMBT2222A
R112	806K 1% ¼W Metal Film 0805	Q023	N-CH MOSFET IRF740
R113	1K2 1% ¼W Metal Film 0805	Q024	N-CH MOSFET IRF740
R114	Not present	Q025	N-CH MOSFET IRF740
R115	Not present	Q026	PNP BIPOLAR MMBT2907A
R116	200K 1% ¼W Metal Film 0805	Q027	N-CH MOSFET IRF740
R117	330R 1% ¼W Metal Film 1206	Q028	NPN BIPOLAR MMBT2222A
R118	?R 1% ¼W Metal Film 1206	Q029	NPN BIPOLAR MMBT2222A
R119	24K9 1% ¼W Metal Film 0805	Q030	NPN BIPOLAR MMBT2222A
R120	24K9 1% ¼W Metal Film 0805	Q031	Not present
R121	1R0 1% ¼W Metal Film 1206	Q033	N-CH MOSFET 2SK2608
R122	1K0 1% ¼W Metal Film 0805		
R123	10K 1% ¼W Metal Film 0805	Diodes	
R124	127K 1% ¼W Metal Film	D23	MUR460
R125	127K 1% ¼W Metal Film	D001	MM4148
R126	499R 1% ¼W Metal Film	D002	MM4148
R127	24K9 1% ¼W Metal Film 0805	D003	MM4148
R128	Not present	D004	MM4148
R129	Not present	D005	MM4148
R130	Not present	D006	Not present
R131	Not present	D007	Not present
R132	Not present	D008	UF2001
R133	20K 1% ¼W Metal Film 0805	D009	MM4148
R134	20K 1% ¼W Metal Film 0805	D010	Not present
		D011	Not present
Transistors		D012	Not present
Q15	NPN BIPOLAR MMBT2222A	D013	MM4148
Q001	NPN BIPOLAR MMBT2222A	D014	MM4148
Q002	PNP BIPOLAR MPS2907A	D015	UF4007
Q003	NPN BIPOLAR MMBT2222A	D016	Not present
Q004	NPN BIPOLAR MMBT2222A	D017	Not present
Q005	NPN BIPOLAR MMBT2222A	D018	Not present
Q006		D019	Not present
Q007	NPN BIPOLAR MMBT2222A	D020	Not present
Q008	NPN BIPOLAR MMBT2222A	D021	Not present
Q009	N-CH MOSFET HRF3205	D022	Not present
Q010	N-CH MOSFET HRF3205	D023	Not present
Q011	NPN BIPOLAR MMBT2222A	D024	Shunted
Q012	NPN BIPOLAR MMBT2222A	D025	Unknown
Q013	NPN BIPOLAR MMBT2222A	D026	Shunted
Q014	NPN BIPOLAR MMBT2222A	D027	Unknown
Q015	NPN BIPOLAR MMBT2222A	D028	Unknown
Q016	N-CH MOSFET HRF3205	D029	Unknown

Q017	N-CH MOSFET HRF3205	D030	MUR460
Q018	NPN BIPOLAR MMBT2222A	D031	MM4148
Q019	NPN BIPOLAR MMBT2222A	D032	1N4007
D033	MM4148	Transformers & Inductors	
D034	1N4007	CT1	Current Sensor 808-20503-02
D035	1N4007	L1	Ferrite Bead over Wire
D036	1N4007	L2	Inductor 082-18005-00A
D037	1N4007	TX1	Power Output 808-49002-00
D038	1N4007	TX2	Battery Charger 080-49025-00
D039	1N4007		
D040	MM4148	Miscellaneous Components	
D041	MM4148	BZ1	Buzzer 080-1205A
D042	MM4148	F01	30A (703x), 40A (704x) 32V
D043	MM4148	F02	30A (703x), 40A (704x) 32V
D044	MM4148	F03	250V 500mA Slow
D045	MM4148	F04	250V 500mA Slow
D046	MM4148	F05	10A 250VAC Circuit Breaker
D047	MM4148	JP102	
D048	MM4148	LED01	3mm Red (Overload/Fault)
D049	MM4148	LED02	3mm Green (Operation Status)
D050	MM4148	MOV01	Not present
D051	Not present	MOV02	1.5KE220CA Phone Lin Prot.
D052	Not present	MOV03	V20K300 (300VAC 20J)
D053	Not present	NTC01	Shunted
D054	Not present	NTC02	11R @ 25°C
D055	1N4148	RY1	12V Coil 250VAC 8A DPST
D056	1N4148	RY2	12V Coil 250VAC 5A DPST
D057	MM4148	RY3	12V Coil 250VAC 5A DPDT
D0003	MUR460	RLY3	12V Coil 250VAC 10A SPST
D0004	MUR460	SW1	Switch 2A 250VAC SPST
ZD001	???	XT1	Ceramic Resonator 6.00MHz
ZD002	???		
ZD003	???	NOTES:	
ZD004	???	(W11,W15) and (W12,W16) are jumpered	
ZD005	Not present	W10: Live for battery-backed sockets	
ZD006	???	W13: Neutral for battery-backed sockets	
ZD007	???	(W07,W05): Circuit breaker and ferrite	
		(W04,W17): Neutral through ferrite	
Integrated Circuits		W09: Live for non-battery backed sockets	
U001	MC78L05 +5V Regulator	W18: Neutral for non-battery backed sockets	
U002	MCHC68705P6ACDW μC	W08: Earth through ferrite	
U003	SG3525AN SMPS Controller	W06: Earth after ferrite (not used)	
U004	UC3843AN SMPS Controller	(W19,W14): Earth for serial port through ferrite	
U005	PS2561 Optocoupler	W01: 12V battery positive	
U006	PS2561 Optocoupler	W02: 12V battery negative	
U007	PS2561 Optocoupler	W03: Not present	
U008	PS2561 Optocoupler	W20: DC for battery charger (not used)	
U009	PS2561 Optocoupler		
U010	PS2561 Optocoupler		

U011	PS2561 Optocoupler	
U012	BA10358 Dual Op-Amp	