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|---------------|-------------------------|--------------|--|
| Title :STH-01 | | Power Supply | |
| Size | Number | Revision | |
| A3 | | | |
| Date: | 2016/8/3 | Sheet of | |
| File: | D:\Dropbox\KAFEL\SchDoc | Drawn By: | |

MODEL:STH01 Power Supply
Date: 2016/06/30
Ver: A1

| AI | Item | Designator | Specification | Count |
|----|------|-------------------------------------|-------------------------------|-------|
| | 1 | BZ1 | BUZZER | 1 |
| P | 2 | C11 | E-CAP 10*13 10uF 400V | 1 |
| | 3 | C12 | E-CAP 8*14 6.8uF 400V | 1 |
| P | 4 | C14 | E-CAP 5*11 4.7uF 50V | 1 |
| P | 5 | C23 | E-CAP 10*13 1000uF 16V | 1 |
| P | 6 | C31 | E-CAP 6.3*12 470uF 10V | 1 |
| | 7 | C13 | SMD CAP 1206 102p | 1 |
| | 8 | C21,C22 | SMD CAP 0805 222p | 2 |
| | 9 | C22A,C26,C34,C32 | SMD CAP 0805 104p | 4 |
| | 10 | C25 | SMD CAP 0805 332p | 1 |
| | 11 | C27 | SMD CAP 0805 105p | 1 |
| | 12 | C29 | SMD CAP 0805 102p | 1 |
| | 13 | C30 | SMD CAP 0805 103p | 1 |
| | 14 | C211 | SMD CAP 0805 101p | 1 |
| | 15 | CX1,CX2 | X2 CAP 224p 275V | 2 |
| | 16 | CY1,CY2 | Y1 CAP 102p 400V | 2 |
| | 17 | D12 | SMD DIODE 1A 1000V SOD-123FL | 1 |
| | 18 | D11 | SMD DIODE 200V 0.2A SOD-123 | 1 |
| | 19 | D22,D23,D24 | SMD DIODE 0.3A 75V SOD-123 | 1 |
| | 20 | D21 | SMD DIODE 3A 100V SMAF | 1 |
| | 21 | BD2 | SMD BRIDGE RECTIFIERS 1A 1KV | 1 |
| | 22 | BD1 | BRIDGE RECTIFIERS 6A 800V | 1 |
| P | 23 | F1 | DIP RES RXF 3.9R 2WS 5% | 1 |
| | 24 | R-PTC1 | Resetable Fuse 130VAC/1000mA | 1 |
| P | 25 | LIAN1-3 | Relay 10A/240VAC/12A/120VAC | 3 |
| | 26 | L12 | COATED CHOKE 1W 330uH | 1 |
| | 27 | L11 | SMD BEADS | 1 |
| | 28 | L21 | DRX8 10uH 0.4mm | 1 |
| | 29 | CY1 | CHOKE BEAD RH3.5*3*1.2 | 1 |
| | 30 | Q22-25,Q27-29,Q30,Q223 | SMD TR 1.5A 40V RANK=H SOT-23 | 9 |
| | 31 | Q21,Q26 | SMD TR 1.5A 40V RANK=H SOT-23 | 2 |
| | 32 | U11 | SMD IC SOP-7 150°C | 1 |
| | 33 | U21 | SMD IC SOP-8 150°C | 1 |
| | 34 | R1A-C,R210 | SMD RES 0805 510K 5% | 4 |
| | 35 | R2A-C | SMD RES 0805 1.5M 5% | 3 |
| | 36 | R2D,RJ1-3 | SMD RES 0805 0R 5% | 4 |
| | 37 | R101 | SMD RES 0805 51R 5% | 1 |
| | 38 | R102 | SMD RES 0805 10K 1% | 1 |
| | 39 | R104 | SMD RES 0805 30.1K 1% | 1 |
| ## | 40 | R105,R106 | SMD RES 1206 16R 5% | 2 |
| | 41 | R107 | SMD RES 1206 15R 5% | 1 |
| | 42 | R108,R109 | SMD RES 1206 100K 5% | 2 |
| | 43 | R201,R202 | SMD RES 0805 20R 5% | 2 |
| | 44 | R205-8 | SMD RES 0805 200K 5% | 4 |
| | 45 | R209,R215-6,R218-22,R224-5,R227-232 | SMD RES 0805 10K 5% | 16 |
| | 46 | R213 | SMD RES 0805 9.53K 1% | 1 |
| | 47 | R214 | SMD RES 0805 44.2K 1% | 1 |
| | 48 | R217 | SMD RES 0805 10R 5% | 1 |
| | 49 | R226 | SMD RES 0805 1K 5% | 1 |
| | 50 | MOV1 | VARISTOR 10D471K | 1 |
| | 51 | T1 | TRANSFORMER STH01-12 | 1 |
| | 52 | MOT | CONNECTOR 3PIN | 1 |
| | 53 | PTC | CONNECTOR 3PIN | 1 |
| | 54 | CON2 | CONNECTOR 2PIN | 1 |

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|----|-------|--------------------------------------|---|
| 55 | CON4 | CONNECTOR 4PIN | 1 |
| 56 | CON12 | CONNECTOR 12PIN | 1 |
| 57 | WEN1 | Receptacle | 1 |
| 58 | PCB | PCB STH01 V01 1.6mm CEM-1 127mmX85mm | 1 |