| BOM 35 Volt 5 Amp Power Supply Kit | | | | | | | |
|------------------------------------|------------------|------------------------------|-------|-------------|----------------|--------------------|-------|
| Designation | Device | Notes | Sheet | Designation | Device | Notes | Sheet |
| Q1 | TIP41 | Pass Driver | 2 | R1 | 2.7K | | 3 |
| Q2 | TIP3055 | Output Pass Trans | 2 | R2 | 2.7K | Volt Ref I Limit | 1 |
| Q3 | TIP3055 | Output Pass Trans | 2 | R3 | 20K | | 1 |
| Q4 | 8050 | RL1 Control | 3 | R4 | 3K | | 1 |
| Q5 | 8050 | RL2 Control | 3 | R5 | 33K | | 1 |
| Q6 | 8050 | Fan Speed Driver | 3 | R6 | 33K | | 1 |
| Q7 | TIP41 | Fan Speed Output | 3 | R7 | 10K | | 3 |
| D1 | 1N4007 | Cont Power Input Pos | 1 | R8 | 10k | | 3 |
| D2 | 1N4007 | Cont Power Input Neg | 1 | R9 | 10K | | 1 |
| D3 | 1N4007 | RL1 Snubber | 3 | R10 | 470 | | 1 |
| D4 | 1N4007 | RL2 Snubber | 3 | R11 | 470 | | 2 |
| D5 | 1N4007 | NEE SHADDEI | 1 | R12 | 470 | | 1 |
| D6 | 1N5408 | Output Snubber | 2 | R13 | 100 | | 3 |
| D7 | 1N4007 | Output Shubber | 3 | R14 | 100 | | 1 |
| D8 | 1N4007 | | 3 | R15 | 100 | | 2 |
| D9 | 1N4007 | Utility Supply Rect. | 3 | R16 | 100 | | 2 |
| D10 | Not Used | Othicy Supply Rect. | | R17 | 4.3K/2W | Input Bleeder | 2 |
| | 1N4727 | 3 Volt Zener | 3 | | 4.5K/2VV 1k | iliput bieedei | 3 |
| D11 | 1N4727 1N4727 | | 3 | R18 | 4.3K/2W | Output Blooder | 2 |
| D12 | | 3 Volt Zener | 3 | R19 | | Output Bleeder | 2 |
| D13 | Not Used | | | R20 | Not Used | | |
| D14 | Not Used | | | R21 | 10K | | 3 |
| D15 | Not Used | | | R22 | 10K | | 3 |
| D16 | Not Used | | | R23 | 1K | | 2 |
| D17 | 1N4007 | | 1 | R24 | 0.22/5W | Amp Shunt/Equalize | 2 |
| BR1 | 1KV/10A Bridge | KBU1010 | 2 | R25 | 0.22/5W | Amp Shunt/Equalize | 2 |
| C1 | 3300Uf/25V | Cont Power Input Neg | 1 | R26 | 56K | | 3 |
| C2 | 3300Uf/25V | Cont Power Input Pos | 1 | R27 | 100K | | 3 |
| C3 | 470pF | 471 | 1 | R28 | 10K | | 3 |
| C4 | 15nF | 153 | 1 | R29 | 10K | | 3 |
| C5 | 220uF/16V | | 1 | R30 | Not Used | | |
| C6 | 220uF/16V | | 1 | R31 | Not Used | | |
| C7 | 1uF | 105 | 1 | R32 | Not Used | | |
| C8 | 220/16v | | 3 | R33 | 1 Meg | | 1 |
| C9 | 470pF | 471 | 1 | R34 | 1 Meg | | 1 |
| C10 | 0.1uF | 104 | 3 | R35 | 2.7K | | 3 |
| C11 | 680uF/35v | Utility Supply Filter | 3 | R36 | 2.7K | | 3 |
| C12 | 2200Uf/50v | Input Filter | 2 | J1 | 3-Pin | A-RP | 1 |
| C13 | 2200Uf/50v | Input Filter | 2 | J2 | 2-Pin | LED (CC Ind) | 1 |
| C14 | 2200Uf/50v | Input Filter | 2 | J3 | 3-Pin | V-RP | 1 |
| C15 | 470uF/25v | Utility 12 V. Filter | 3 | J4 | 2-Pin | 5 Volt | 3 |
| C16 | Not Used | | | J5 | 2-Pin | NTC | 3 |
| C17 | 4.7uF/50V | | 3 | J6 | 2-Pin | FAN | 3 |
| C18 | 1uF | 105 | 1 | J7 | 3-Pin | Cont AC In | 1 |
| C19 | 100Uf/50v | Output Filter | 2 | LED | Red | CC Ind | 1 |
| U1 | LM358 | Amp/Volt Control | 1 | A-RP | 10K | Amp Limit Set | 1 |
| U2 | LM358 | RL1/RL2 Cotrol | 3 | V-RP | 10K | Volt Out Set | 1 |
| U3 | 7812 | +12 Volt Control Reg. | 1 | VR1 | 100K | Amps Max Set | 1 |
| U4 | 7912 | -12 Volt Control Reg. | 1 | VR2 | 500 | Volts Max Set | 1 |
| U5 | TL431 | Voltage Reference | 1 | VR3 | 10K | RL1 Set Point | 3 |
| U6 | 7812 | 12 Volt Utility Reg. | 3 | VR4 | 10K | RL2 Set Point | 3 |
| U7 | 7805 | 5 Volt Utility Reg. | 3 | VR5 | 10K | Fan Speed | 3 |
| NTC | 10K Nom. | Fan Speed Temp Sensor | 3 | ST1 | 2-Screw | 0 & 15 Volt Input | 2 |
| RL1 | SPST 10A Rly | Second Stage Switch | 2,3 | ST2 | 2-Screw | 23 & 31 Volt Input | 2 |
| RL2 | SPST 10A Rly | Third Stage Switch | 2,3 | ST3 | 2-Screw | Ampmeter Con. | 2 |
| 1162 | JI JI TOA MIY | Tima Stage Switch | 2,3 | 313 | 2 301 C VV | Ampineter con. | _ |