

| Comment | Designator | Footprint | LibRef | Quantity | Value |
|----------------|--|-----------------------|--------------------|----------|--|
| VS | U1, U2 | VSENSE | Vsense-JCT-L25P3.3 | 2 | |
| Res1 | R1, R3, R4, R5, R6, R8, R9, R10, R11, R13, R14 | AXIAL-0.3 | Res1 | 11 | 2.2K, 200K, 50K, 20K, 10K, 500K, 100K, 0 |
| Plugable_2Pin | Power1, Power2, Relay1 | TB2 | CON2 | 3 | |
| pin header 4p | H2, H3, H4, H5, H6 | SIP4 | pin header 4p | 5 | |
| NT90TNCS12CB | relay_1 | NT90TNCS12CB | PreChgRelay | 1 | |
| MCP6004 | U5 | DIP14 | MCP6004 | 1 | |
| JCT-TSRNP | U3, U4 | JCT-TSRNP | JCT-TSRNP | 2 | |
| IRF540N | D1, D3 | To220 | IRF540N | 2 | |
| IRF540N | Q1, Q2 | TO247 | IRF540N | 2 | |
| Header 2 | P1, P3, P4 | HDR1X2 | Header 2 | 3 | |
| H2*8 | H1 | HDR2X8 | Header 8X2 | 1 | |
| CON1 | +VE_OUT1, +Vin1, GND1, L1, L2, -VE_OUT1 | WIRE6MM | CON1 | 6 | |
| CAP-DC | C8, C9 | CAP-1.5 | CAP-DC | 2 | |
| 820 uF / 450 V | C1, C2, C3, C4, C5, C6, C7 | DC-CAPACITOR | CAPACITOR POL | 7 | |
| 18 V / 0.5 W | Z1 | D3 | Zener_Diode | 1 | |
| 10K / 0.5W | R2 | R600 | Res1 | 1 | |
| 6K / 1W | R12 | R-VSENSE | R-VSENSE | 1 | |
| 2.5K / 0.25W | R7 | R600 | Res1 | 1 | |
| 1N4007RL | D2 | DIOAD1060W80L520 D270 | 1N4007RL | 1 | |