

| Designator | Part Description | Footprint | Part Number | Quantity |
|------------------------------------------------------|-----------------------------------|---------------------|-------------------------|----------|
| C1, C3, C5, C6, C7 | Aluminum Electrolytic Capacitor (| CAPPR250-630X1120 | CAER_47UF_50V_20%_EXR47 | 5 |
| C2, C4 | SMD Multilayer Chip Ceramic Cap | CAPC2012X135N | CC0805_10UF_16V_10%_X7R | 2 |
| C8, C9, C10, C11, C14, C15, C16, C17 | Aluminum Electrolytic Capacitor (| CAPPR750-1850X3750 | CAER_10000UF_16V_20%_EX | 8 |
| C12, C13 | Aluminum Electrolytic Capacitor (| CAPPR500-1050X2200 | CAER_470UF_35V_20%_EXR4 | 2 |
| D1, D2, D7, D8, D13, D14, D15, D16 | Small Signal Diode | SOD3715X145N | 1N4148W | 8 |
| D3, D4, D5, D6, D9, D10, D11, D12 | Voltage Regulator Diode | DIOMELF3515N | BZV55-C15 | 8 |
| J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12 | 0.250" (6.35mm) Quick Connect N | MOLEX_19_70_54203 | MOLEX_19_70_54203 | 12 |
| Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8 | 75V 56A 7.34 mOhm N-Channel | TO228P991X239-3N-R5 | IRFR3607PbF | 8 |
| R1, R2, R3, R4, R17, R18, R19, R20, R33, R34, R35, I | General Purpose Thick Film Chip F | RESC1608X55N | R0603_4K7_1%_0.1W_100PP | 13 |
| R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R1 | General Purpose Thick Film Chip F | RESC1608X55N | R0603_10K_1%_0.1W_100PP | 24 |
| U1, U2, U3, U4, U5, U6 | Low Power Low Offset Voltage Du | SOIC127P600X175-8N | LM393M/NOPB | 6 |



