

| Comment | Description | Designator | Footprint | LibRef | Quantity |
|------------------|--|------------------|---------------------------|--------------------|----------|
| LS_DriverV1.1 | 10A capable Low side Switch in an 8dip | *1 | LS_DriverV1.1 | CMP-001-0000-1 | 1 |
| .1u | CAP CER 1UF 50V Y5V RADIAL | C1, C2, C5, C6 | FP-K105Z20Y5VF5TL2-MFG | CMP-02417-000003-1 | 4 |
| 10u | Aluminum Electrolytic Capacitor, 10 uF, +/- 20%, 50 V, -40 to 85 degC, 2-Pin THD, RoHS, Bulk | C3, C4 | CAPPR55-200-1100X500X1200 | CMP-1665-00038-2 | 2 |
| SBR1045SD1-T | Diode | D1 | DO-201AD | SBR1045SD1-T | 1 |
| 1N4148TA | DIODE GEN PURP 100V 200MA DO35 | D2, D3, D4, D5 | FP-017AG-MFG | CMP-07163-000009-1 | 4 |
| BIHGGG_DEVICE | BiggLCD | FUCKINGBIGLCD | BIHGGG_FOOTPRINT | BIHGGG_DEVICE | 1 |
| SignalBufferV1 | Signal Buffer Board | IC1 | DIP18 | SignalBufferV1-7 | 1 |
| MCP2562FD-E_P | Integrated Circuit | IC2 | DIP781W56P254L950 H533Q8N | MCP2562FD-E_P | 1 |
| 615006141121 | Modular Jack WR-MJ, Tab Down, Plastic, Horizontal Entry, THT, 6P6C | J1 | 615006141121 | CMP-1502-01674-1 | 1 |
| 106 | Connector | J2 | 106_1 | 106 | 1 |
| 185904-2 | Connector | J3 | 1859042 | 185904-2 | 1 |
| 2N3904 | General Purpose Transistor, NPN Silicon, 200 mA, 60 V, -55 to 150 degC, 3-Pin TO-92, RoHS, Bulk | Q1, Q3 | ONSC-TO-92-3-29-11 | CMP-2000-05562-1 | 2 |
| BC337 | Amplifier Transistor, NPN Silicon, 3-Pin TO-92, Bulk Box | Q2 | ONSC-TO-92-3-29-11 | CMP-1048-01458-1 | 1 |
| MFR-25FBF52-1K | Axial Resistor, 1 KOhm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R1, R15, R16 | RESA60-630X240 | CMP-009-00048-4 | 3 |
| MFR-25FBF52-10K | Axial Resistor, 10 KOhm, +/- 1%, 0.25 W, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R2, R4, R11, R14 | RESA60-630X240 | CMP-009-00047-4 | 4 |
| 1K | Axial Resistor, 1 KOhm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R3 | RESA60-630X240 | CMP-1659-00075-1 | 1 |
| MFR-25FBF52-2K21 | Axial Resistor, 2.21 KOhm, +/- 1%, 0.25 W, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R5, R6, R10, R13 | RESA60-630X240 | CMP-009-00054-4 | 4 |
| MFR-25FBF52-221R | Axial Resistor, 221 Ohm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R7 | RESA60-630X240 | CMP-009-00051-4 | 1 |
| MFR-25FBF52-475R | Axial Resistor, 475 Ohm, +/- 1%, 0.25 W, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R8 | RESA60-630X240 | CMP-009-00056-4 | 1 |
| MFR-25FBF52-22K1 | Axial Resistor, 22.1 KOhm, +/- 1%, 0.25 W, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R9 | RESA60-630X240 | CMP-009-00052-4 | 1 |
| MFR-25FBF52-4K75 | Axial Resistor, 4.75 KOhm, +/- 1%, 0.25 W, -55 to 155 degC, 2-Pin THD, RoHS, Bulk | R12 | RESA60-630X240 | CMP-009-00059-4 | 1 |
| LM7805CT | Positive Voltage Regulator, 5 V, 1 A, -40 to 125 degC, 3-Pin TO-220, RoHS, Tube | U1 | FAIR-TO-220-3 | CMP-2000-04938-1 | 1 |
| PIC18F2620-I/SP | Enhanced Flash Microcontroller with 10-Bit A/D and nanoWatt Technology, 64K Flash, 28-Pin PDIP, Industrial Temperature Range | U2 | SPDIP300-SP28 | CMP-0116-00068-1 | 1 |
| SLW4R-1C7LF | 4 Position FFC, FPC Connector Contacts, Bottom 0.039 (1.00mm) Through Hole, Right Angle | U3 | FCL_SLW4R-1C7LF | SLW4R-1C7LF | 1 |
| TEENSY_3.5/3.6 | | US1 | TEENSY_3.5/3.6 | TEENSY_3.5/3.6 | 1 |
| T73YE103KT20 | Variable Resistor | VR1 | T73YE103KT20 | T73YE103KT20 | 1 |