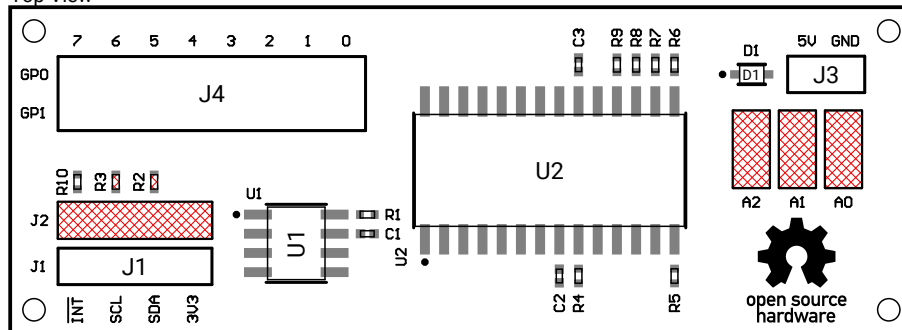
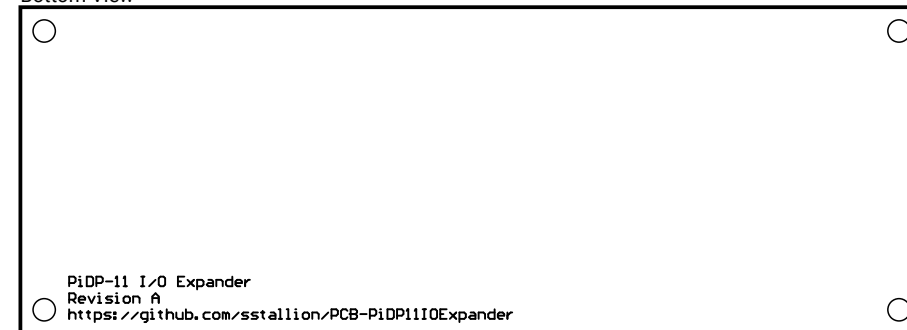


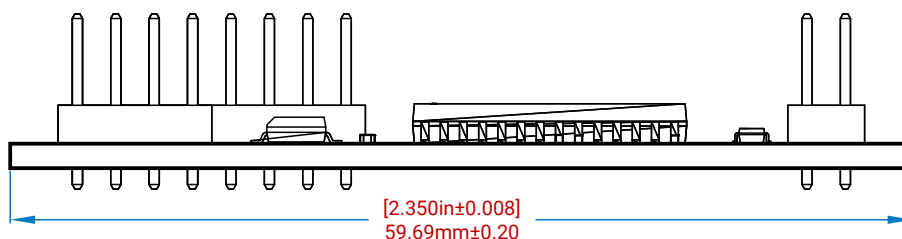
Top View



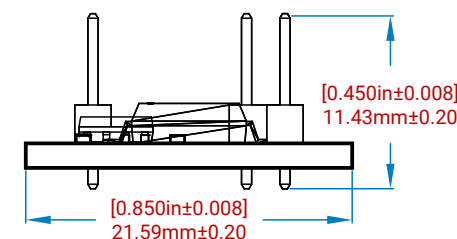
Bottom View



### Front View



Right View



## Bill Of Materials

| Quantity | Designator | Description                    | Manufacturer     | Manufacturer Part Number | Footprint               |
|----------|------------|--------------------------------|------------------|--------------------------|-------------------------|
| 2        | C1, C3     | CAP CER 0.1UF 25V X7R 0402     | AVX              | 04023C104KAT2A           | AVX-CC0402              |
| 1        | C2         | CAP CER 33PF 25V C0G/NP0 0402  | AVX              | 04023A330JAT2A           | AVX-CC0402              |
| 1        | D1         | DIODE SCHOTTKY 20V 1A SOD323   | ON Semiconductor | NSVR0320MW2T1G           | ONSC-<br>NSVR0320MW2T1G |
| 1        | J1         | CONN HEADER VERT 4POS 2.54MM   | Amphenol ICC     | 10129378-904001BLF       | AMPH-10129378-904001BLF |
| 1        | J3         | CONN HEADER VERT 2POS 2.54MM   | Amphenol ICC     | 10129378-902001BLF       | AMPH-10129378-902001BLF |
| 1        | J4         | CONN HEADER VERT 16POS 2.54MM  | Amphenol ICC     | 10129381-916001BLF       | AMPH-10129381-916001BLF |
| 1        | R1         | RES SMD 200K OHM 1% 1/10W 0402 | Vishay Beyschlag | MCS04020C2003FE000       | VB EY-CR0402            |
| 1        | R4         | RES SMD 3.9K OHM 1% 1/10W 0402 | Vishay Beyschlag | MCS04020C3901FE000       | VB EY-CR0402            |
| 2        | R5, R6     | RES SMD 2.2K OHM 1% 1/10W 0402 | Vishay Beyschlag | MCS04020C2201FE000       | VB EY-CR0402            |
| 3        | R7, R8, R9 | RES SMD 10K OHM 1% 1/10W 0402  | Vishay Beyschlag | MCS0402MC1002FE000       | VB EY-CR0402            |
| 1        | R10        | RES SMD 1.8K OHM 1% 1/10W 0402 | Vishay Beyschlag | MCS04020C1801FE000       | VB EY-CR0402            |
| 1        | U1         | IC TRNSLTR BIDIRECTIONAL 8SO   | NXP              | PCA9306D                 | NXP-PCA9306D            |
| 1        | U2         | IC I/O EXPANDER I2C 16B 28SOIC | Microchip        | MCP23016-I/SO            | MCHP-SOIC-28            |