

Planktivore 902004  
Strobe Driver Assembly  
ptvr\_strobe\_driver\_v1  
16 Dec 2021, Thom Maughan

## BOM

| Ref                     | Qty | Value          | Cmp name       |
|-------------------------|-----|----------------|----------------|
| C1, C2, C3, C4, C5, C6, | 6   | 0.1 uF         | C_Small        |
| C7, C8,                 | 2   | 100uF          | C              |
| Cext1,                  | 1   | NS             | C_Small        |
| Cext2,                  | 1   | 0.1uF          | C_Small        |
| D1,                     | 1   | CDSOD323-T05C  | D_TVS          |
| D2,                     | 1   | White          | LED            |
| D3,                     | 1   | PMEG3050EP,115 | D_Schottky     |
| F1,                     | 1   | PTC            | Polyfuse_Small |
| J1,                     | 1   | Energy         | Conn_01x06     |
| J2,                     | 1   | Compute        | Conn_01x07     |
| PWR1,                   | 1   | D36V50F5       | D36V50F3       |
| R1, R2,                 | 2   | 100k           | R_Small_US     |
| R3,                     | 1   | 1250           | R_Small_US     |
| Rext1,                  | 1   | 1k             | R_Small_US     |
| TP1, TP2, TP3, TP4,     | 4   | TestPoint      | TestPoint      |
| U1,                     | 1   | 74LVC2G14      | 74LVC2G14      |
| U3,                     | 1   | 74LVC1G123     | 74LVC1G123     |
| U4,                     | 1   | 74AHCT1G08     | 74AHCT1G08     |
| U6,                     | 1   | LM5134         | LM5134         |

Assembly instructions:

Top side component placement

