

| Item | Qty | Reference | Part Name        | Manufacturer       | Digikey                             |                                      |
|------|-----|-----------|------------------|--------------------|-------------------------------------|--------------------------------------|
| 1    | 2   | U1-2      | 74LVC16244       | TI or others       | <a href="#">296-1227-1-ND</a>       | SSOP                                 |
| 2    | 1   | J3        | BNC_PCB          |                    | already populated                   |                                      |
| 3    | 2   | C3-4      | CAP0603,0.1 uF   |                    |                                     |                                      |
| 4    | 1   | C2        | CAP0603,1 uF     |                    |                                     |                                      |
| 5    | 1   | C1        | CAP0603,100 pF   |                    |                                     |                                      |
| 6    | 1   | D1        | DIODE            |                    | 641-1002-1-ND                       |                                      |
| 7    | 1   | J1        | FX2-100S-1.27D   | Hirose             | <a href="#">H10644-ND</a>           |                                      |
| 8    | 2   | J4 J7     | HEADER06         | 1x6 0.100" HEADER  | <a href="#">3M9471-ND</a>           | install on bottom of board facing in |
| 9    | 2   | J2 J15    | HEADER34         | 2x17 0.100" HEADER | A26525-17-ND                        |                                      |
| 10   | 1   | U3        | 74LVC244         | NXP or others      | <a href="#">568-2299-1-ND</a>       | SOIC                                 |
| 11   | 1   | V1        | MCP1700          | Microchip          | <a href="#">MCP1700-2502E/TO-ND</a> |                                      |
| 13   | 1   | J5        | QSE-028-01-X-D   | Samtec             | already populated                   |                                      |
| 14   | 1   | J6        | QSE-040-01-X-D   | Samtec             | already populated                   |                                      |
| 15   | 2   | R3 R9     | RES0603,33       |                    |                                     |                                      |
| 16   | 2   | R1-2      | RES0805,50k      |                    |                                     |                                      |
| 17   | 1   | R6        | RES1206,10k      |                    |                                     |                                      |
| 18   | 1   | R7        | RES1206,1M       |                    |                                     |                                      |
| 19   | 1   | R8        | RES1206,33k      |                    |                                     |                                      |
| 20   | 2   | R4-5      | RES1206,1800     |                    |                                     |                                      |
| 21   | 1   | S1        | SPDT_SWITCH_CNKC |                    | already populated                   |                                      |
| 22   | 1   | U4        | TLC555           | TI                 | <a href="#">296-1857-5-ND</a>       | 8DIP                                 |