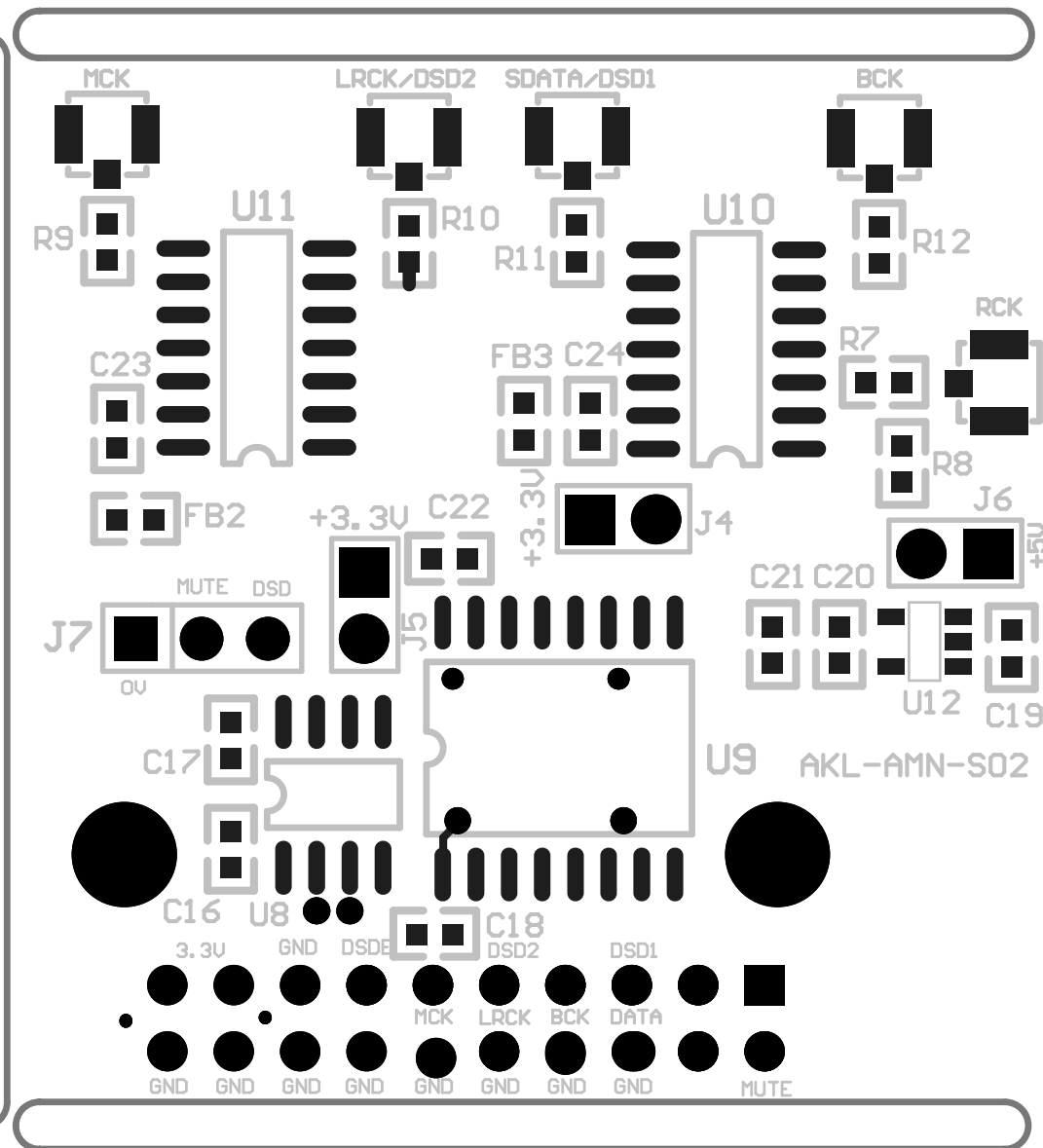
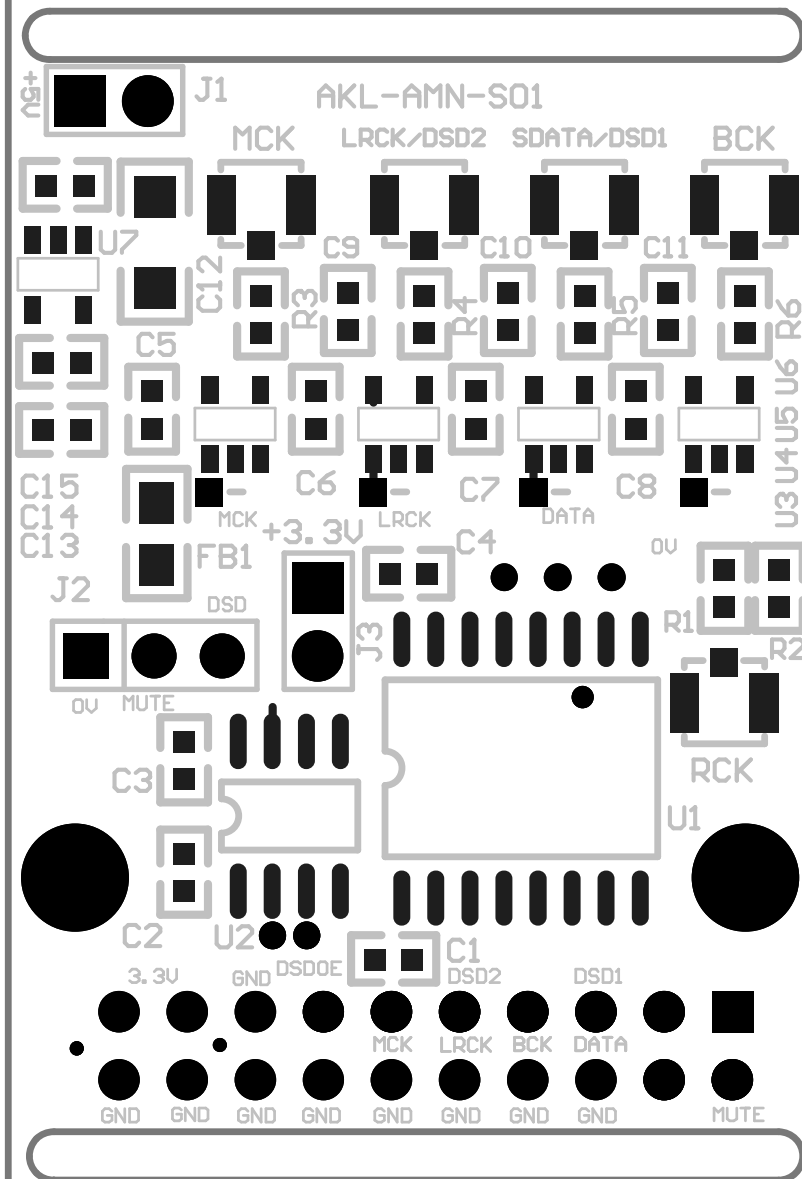


71.80mm

50mm



BOM

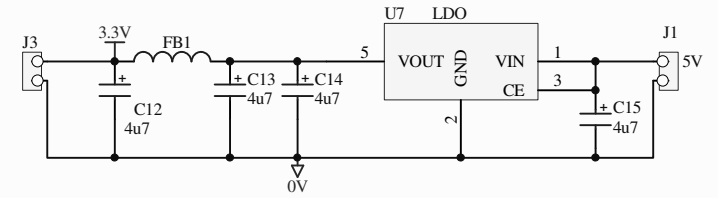
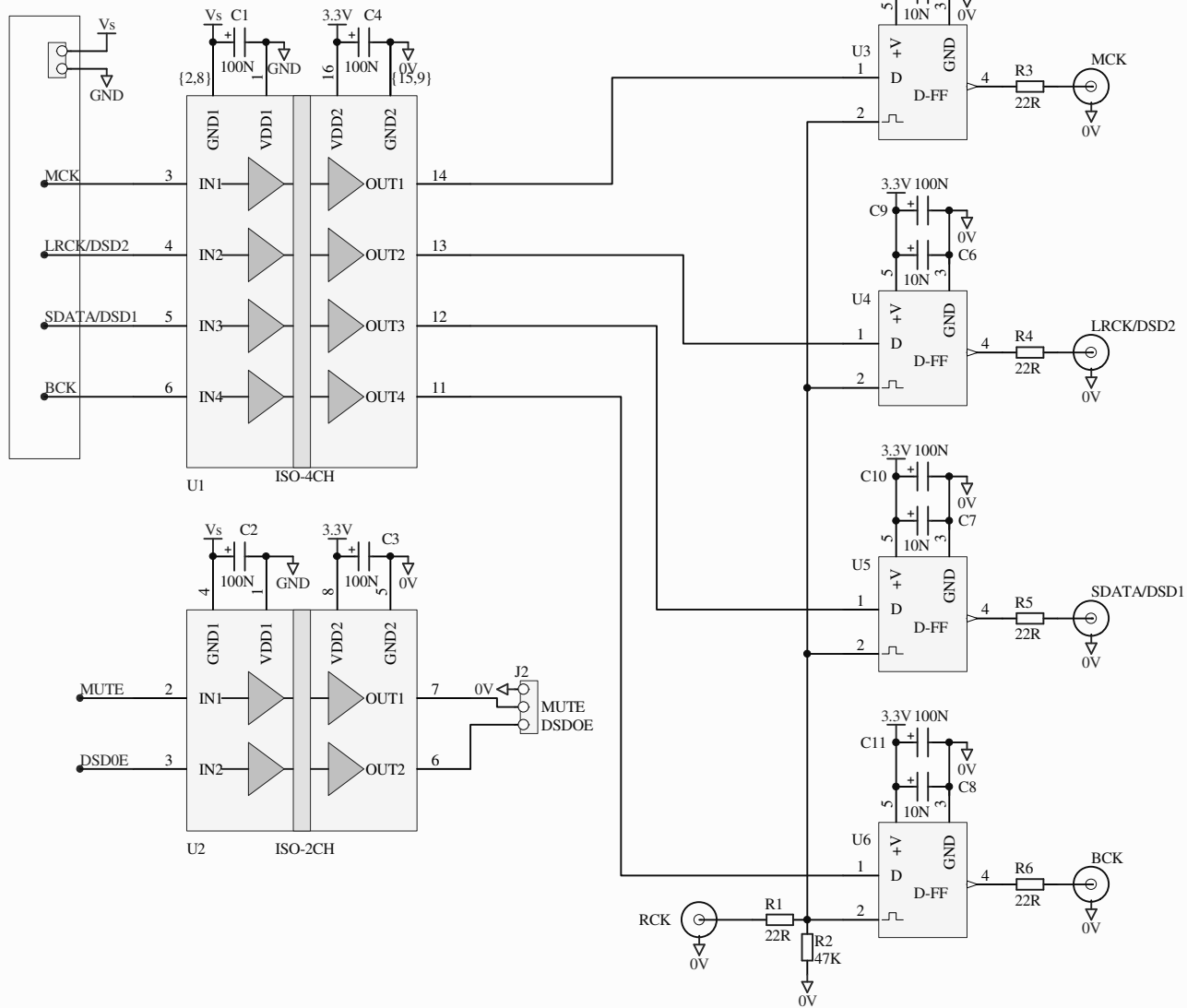
PART NO

DESCRIPTION

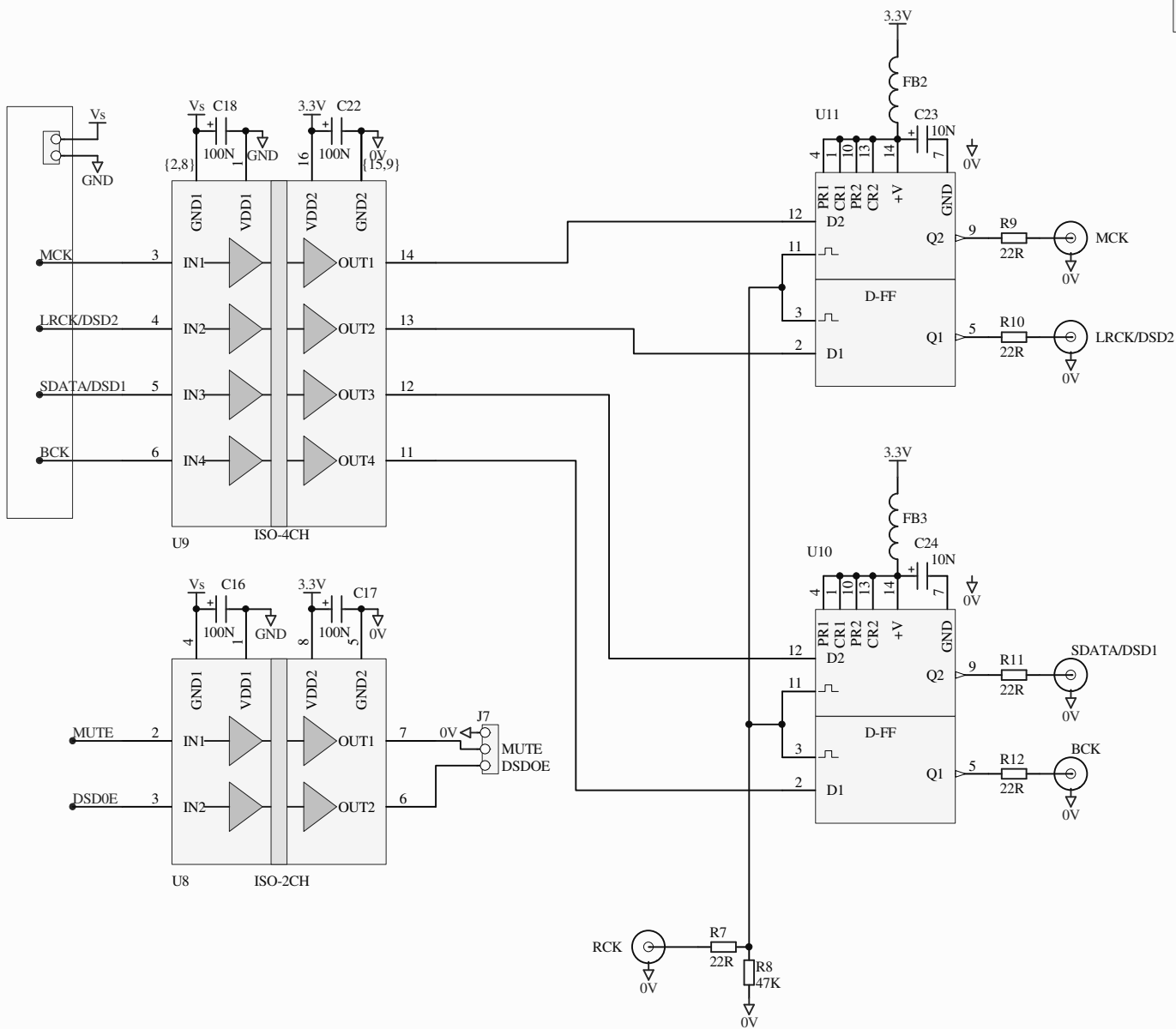
AKL-AMN-SXX

AMANERO ISOLATOR/RE-CLOCKER

| Component                                    | Vendor Code            | Description              | Qty | Qty S01 | Qty S02 | Unit   | Line Price | VENDOR  | Remarks                                                        |
|----------------------------------------------|------------------------|--------------------------|-----|---------|---------|--------|------------|---------|----------------------------------------------------------------|
| U7, U12                                      | ADP150AUJZ-3.3-R7CT-ND | ADP150 LDO 3.3V          | 2   | 1       | 1       | 1.01   | 2.02       | DIGIKEY | Alternatives: LT1761, etc. Not required if external 3.3V used. |
| U1,U9                                        | 390-1062-5-ND          | NVE715-3E 4CH DIG ISOL   | 2   | 1       | 1       | 9.55   | 19.1       | DIGIKEY | Alternatives: SI8440 (Digkey P/N: 336-1760-5-ND)               |
| U2, U8                                       | 390-1059-5-ND          | IL711 2CH DIG ISOL SOIC8 | 2   | 1       | 1       | 7.27   | 14.54      | DIGIKEY | Not required if Mute and DSDOE signals are not used.           |
| U3, U4, U5, U6                               | 568-5393-1-ND          | 74AUP1G79GV 1CH FF       | 4   | 4       | 0       | 0.49   | 1.96       | DIGIKEY | Alternatives:SN74LVC1G79DBVT (Farnell:1741129)                 |
| U11, U10                                     | PO74G74A               | DUAL D-FF                | 2   | 0       | 2       | 3      | 6          | POTSEMI |                                                                |
| R1, R7, R3, R4, R5, R6, R9, R10, R11, R2, R8 | RR08Q22DCT-ND          | 22R 0603 THIN FILM RES   | 10  | 5       | 5       | 0.1    | 1.02       | DIGIKEY |                                                                |
|                                              | RR08P47.0KDCT-ND       | 47K 0603 THIN FILM RES   | 2   | 1       | 1       | 0.11   | 0.22       | DIGIKEY |                                                                |
| C1, C2, C3, C4, C16, C17, C18, C22           | 445-1313-1-ND          | 47NF 0603 MLCC X7R 16V   | 8   | 4       | 4       | 0.1    | 0.8        | DIGIKEY |                                                                |
| C5, C6, C7, C8, C23, C24                     | 445-2664-1-ND          | 10NF 0603 COG            | 6   | 4       | 2       | 0.34   | 3.06       | DIGIKEY |                                                                |
| C9, C10, C11                                 | 445-1316-1-ND          | 100NF 0603 MLCC X7R 16V  | 3   | 3       | 0       | 0.1    | 0.3        | DIGIKEY |                                                                |
| C12                                          | 445-1425-1-ND          | 4U7 16V X7R MLCC 1206    | 1   | 1       | 0       | 0.28   | 0.28       | DIGIKEY |                                                                |
| C13, C14, C15, C19, C20, C21                 | 445-7478-1-ND          | 4U7 16V X5R MLCC 603     | 6   | 3       | 3       | 0.29   | 1.74       | DIGIKEY |                                                                |
| J1, J3, J4, J5, J6                           | A26543-ND              | 2WAY 0.1INCH HEADER GOLD | 5   | 2       | 3       | \$0.88 | \$4.40     | DIGIKEY | As required                                                    |
| J2, J7                                       | A26545-ND              | 3WAY 0.1INCH HEADER GOLD | 2   | 1       | 1       | \$0.97 | \$1.94     | DIGIKEY | As required                                                    |
| MCK,LRCK,SDATA,BCK,RCK (ALL)                 | H9161CT-ND             | U.FL-R-SMT(10) COAX      | 10  | 5       | 5       | 1.81   | 18.1       | DIGIKEY |                                                                |
| FB2, FB3                                     | 445-1551-1-ND          | FERRITE 0603             | 2   | 0       | 2       | 0.07   | 0.14       | DIGIKEY |                                                                |
| FB1                                          | 732-1623-1-ND          | FERRITE 1206             | 1   | 1       | 0       | 0.33   | 0.33       | DIGIKEY |                                                                |
|                                              |                        |                          |     |         |         | TOTAL  | 75.95      |         |                                                                |



**AKL-AMN-S01**  
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**AKL-AMN-S02**  
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