

Variant: 001  
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TID #: TIDA-00978

TIDA-00978 REV A Bill of Materials



| Item # | Designator                         | Quantity | Value    | PartNumber         | Manufacturer          | Description   | PackageReference           |
|--------|------------------------------------|----------|----------|--------------------|-----------------------|---|----------------------------|
| 1      | IPCB                               | 1        |          | TIDA-00978         | Any                   | Printed Circuit Board   |                            |
| 2      | C1                                 | 1        | 2.2uF    | GRM31MR71E225KA93L | MuRata                | CAP, CERM, 2.2 uF, 25 V, +/- 10%, X7R, 1206   | 1206                       |
| 3      | C2                                 | 1        | 0.22uF   | GRM188R71E224KA88D | MuRata                | CAP, CERM, 0.22 uF, 25 V, +/- 10%, X7R, 0603  | 0603                       |
| 4      | C3                                 | 1        | 0.01uF   | GRM155R71E103KA01D | MuRata                | CAP, CERM, 0.01 uF, 25 V, +/- 10%, X7R, 0402  | 0402                       |
| 5      | C4                                 | 1        | 0.1uF    | 12061C104MAT2A     | AVX                   | CAP, CERM, 0.1 uF, 100 V, +/- 20%, X7R, 1206  | 1206                       |
| 6      | C5                                 | 1        | 0.01uF   | 06031C103MAT2A     | AVX                   | CAP, CERM, 0.01 uF, 100 V, +/- 20%, X7R, 0603   | 0603                       |
| 7      | C6                                 | 1        | 1.5pF    | GRM1555C1H1R5CA01D | MuRata                | CAP, CERM, 1.5 pF, 50 V, +/- 5%, C0G/NP0, 0402  | 0402                       |
| 8      | C8, C9                             | 2        | 0.1pF    | GRM0335C1ER10WA01D | MuRata                | CAP, CERM, 0.1pF, 25 V, +/- 50%, C0G/NP0, 0201  | 0201                       |
| 9      | H1, H2, H3, H4                     | 4        |          | NY PMS 440 0025 PH | B&F Fastener Supply   | Machine Screw, Round, #4-40 x 1/4, Nylon, Phillips panhead                                  | Screw                      |
| 10     | H5, H6, H7, H8                     | 4        |          | 1902C              | Keystone              | Standoff, Hex, 0.5"L #4-40 Nylon  | Standoff                   |
| 11     | J1, J2, J3                         | 3        |          | 142-0701-851       | Emerson Network Power | Connector, End launch SMA, 50 ohm, SMT  | SMA End Launch             |
| 12     | J4, J7                             | 2        |          | 61300211121        | Würth Elektronik      | Header, 2.54 mm, 2x1, Gold, TH  | Header, 2.54mm, 2x1, TH    |
| 13     | J5, J6                             | 2        |          | 61300311121        | Würth Elektronik      | Header, 2.54 mm, 3x1, Gold, TH  | Header, 2.54mm, 3x1, TH    |
| 14     | L1                                 | 1        | 1000 ohm | BLM21AG102SN1D     | MuRata                | Ferrite Bead, 1000 ohm @ 100 MHz, 0.5 A, 0805   | 0805                       |
| 15     | P1, P2, P3                         | 3        |          | 6095               | Keystone              | Standard Banana Jack, Uninsulated   | Keystone_6095              |
| 16     | R1, R2, R11, R12, R13, R14         | 6        | 0        | CRCW06030000Z0EA   | Vishay-Dale           | RES, 0, 5%, 0.1 W, 0603   | 0603                       |
| 17     | R3                                 | 1        | 49.9     | CRCW060349R9FKEA   | Vishay-Dale           | RES, 49.9, 1%, 0.1 W, 0603  | 0603                       |
| 18     | R4, R5                             | 2        | 3.40k    | CRCW04023K40FKED   | Vishay-Dale           | RES, 3.40 k, 1%, 0.063 W, 0402  | 0402                       |
| 19     | R6, R7                             | 2        | 487      | CRCW0603487RFKEA   | Vishay-Dale           | RES, 487, 1%, 0.1 W, 0603   | 0603                       |
| 20     | R8                                 | 1        | 56.2     | CRCW060356R2FKEA   | Vishay-Dale           | RES, 56.2, 1%, 0.1 W, 0603  | 0603                       |
| 21     | SH-J4_1-OPEN, SH-J5_1-2, SH-J6_1-2 | 3        | 1x2      | 969102-0000-DA     | 3M                    | Shunt, 100mil, Gold plated, Black   | Shunt                      |
| 22     | T1                                 | 1        |          | ADT1-1WT+          | Minicircuits          | RF Transformer, 75 ohm, 0.4 to 800 MHz, SMT   | CD542                      |
| 23     | U1                                 | 1        |          | OPA857IRGTR        | Texas Instruments     | Ultralow-Noise, Wideband, Selectable-Feedback Resistance Transimpedance Amplifier, RGT0016A | RGT0016A                   |
| 24     | C7                                 | 0        | 3.9pF    | GRM1555C1E3R9CA01D | MuRata                | CAP, CERM, 3.9 pF, 25 V, +/- 5%, C0G/NP0, 0402  | 0402                       |
| 25     | D1                                 | 0        |          | NR7500CP-CC-A      | NEC Tokin             | 50 um InGaAs PIN-PD COAXIAL MODULE FOR 2.5 Gb/s FIBEROPTIC COMMUNICATIONS                   | Edge Mount, 3-Leads        |
| 26     | FID1, FID2, FID3                   | 0        |          | N/A                | N/A                   | Fiducial mark. There is nothing to buy or mount.  | Fiducial                   |
| 27     | R9, R10, R15                       | 0        | 0        | CRCW06030000Z0EA   | Vishay-Dale           | RES, 0, 5%, 0.1 W, 0603   | 0603                       |
| 28     | TP1, TP2, TP3                      | 0        |          | 5019               | Keystone              | Test Point, Miniature, SMT  | Test Point, Miniature, SMT |