







| Designator | Quantity | Description | Comment | Footprint |
|--|----------|---|---------------------|---------------------------------|
| C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16 | 16 | WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X5R, 220nF, 10V | 220nF, 10V | WURTH_WCAP- CSGP_0402 |
| C17, C18, C19, C20 | 4 | WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, NP0, 10pF, 16V | 10pF, 16V | WURTH_WCAP- CSGP_0402 |
| F1, F2, F3, F4, F5, F6 | 6 | Band Pass RF Filter | BFTC-XXXX+ | Mini-Circuits_FV1206 |
| J1, J2 | 2 | 0.50 mm Q Pairs® High-Speed Ground Plane Terminal Strip, Differential Pair | QTH-020-01-F-D-DP | SAMTEC_QTH-020-01- X-D-DP-A |
| J3 | 1 | Coplanar Open Ended Card Edge Connector 10 Pin | 00-9159-010-061-911 | KYOCERA_00-9159- 010-061-911 |
| J4, J5, J6, J7 | 4 | 50 Ω MMCX up to 6 GHz | MMCX-J-P-X-ST-SM1 | MMCX-J-P-X-ST-SM1 |
| J8 | 1 | Tag-Connect 6-pin Plug-of-Nails spring- pin cable footprint | TC2030 | TC2030-DUAL |
| MP1, MP2 | 2 | Button Head Torx Screws 18-8 Stainless Steel, M3 x 0.5 mm Thread, 4 mm Long | M3x4mm | 90910A572 |
| MP3, MP4 | 2 | Button Head Torx Screws 18-8 Stainless Steel, M2 x 0.4mm Thread, 4mm Long | M2x4mm | 90910A572 |
| R1, R2, R3, R4 | 4 | General Purpose Thick Film Chip Resistors | 100 Ω | PANASONIC_ERJ2G_0 402 |
| T1, T2, T3, T4 | 4 | 1:1 Flux Coupled Balun 0.1-200MHz | ETC1-1T-2TR | MA-COM_ETC1-1T- 2TR |
| U1 | 1 | Dual-Channel, 16-Bit, 1.6/2.5 GSPS, Digital- to-Analog Converter with 12.5 Gbps JESD204B Interface. | DAC37J82 | TEXAS_FCBGA144 |
| U2 | 1 | MSP430™ FRAM Microcontroller IC 16- Bit 16MHz 64KB (64K x 8) FRAM 48-VQFN (7x7) | MSP430FR5969IRGZR | TEXAS_VQFN48 |
| U3 | 1 | Dual-Channel, 12-bit, 800-MSPS Analog-to- Digital Converter with JESD204C interface. | ADC12DJ800 | TEXAS_FCBGA144 |

