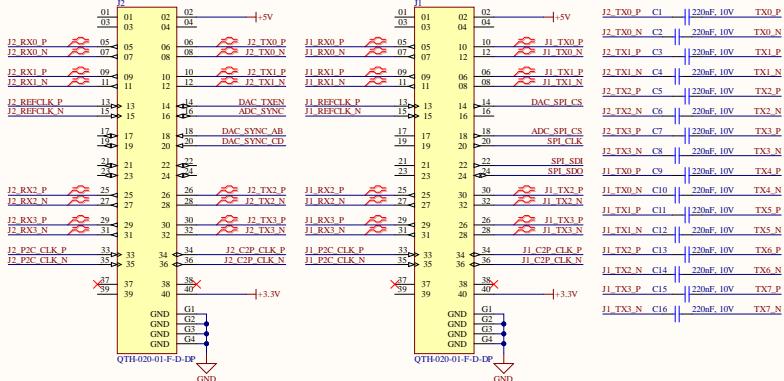
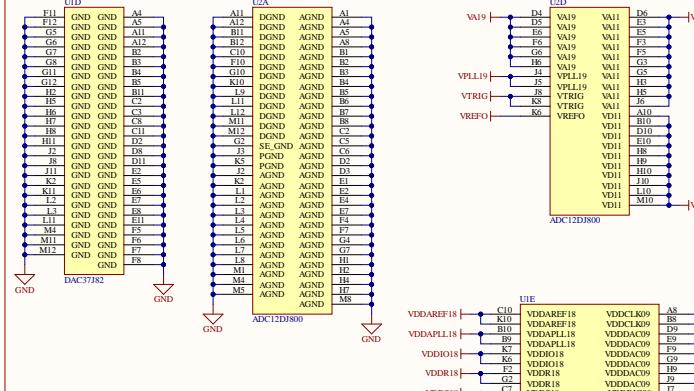
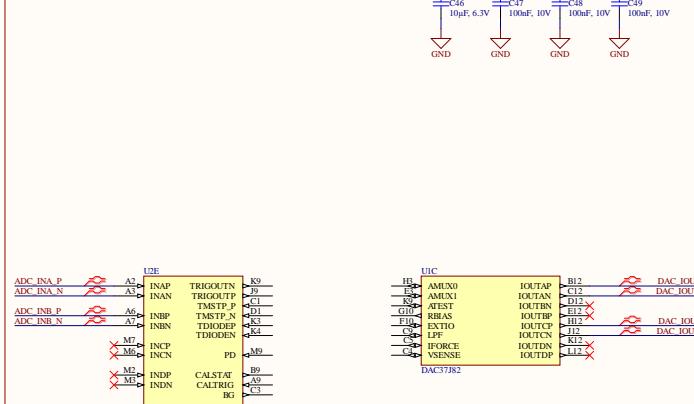
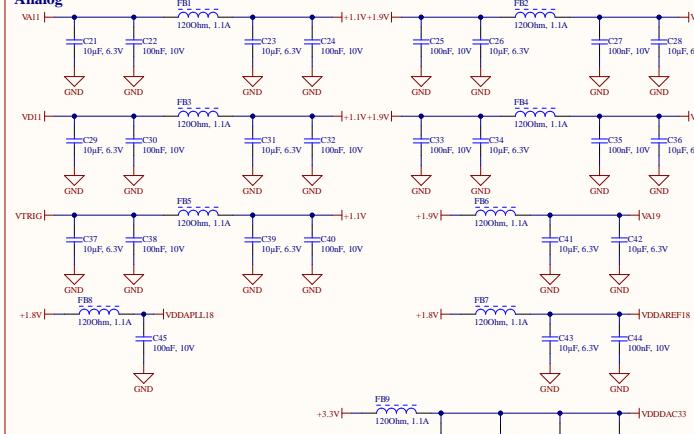
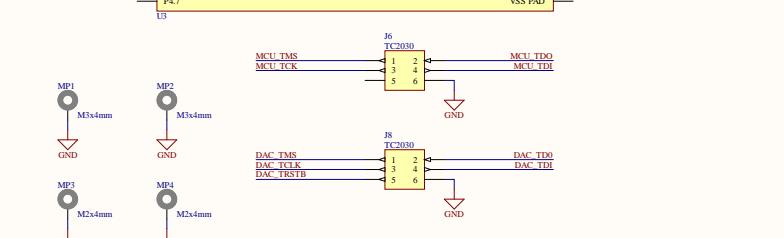
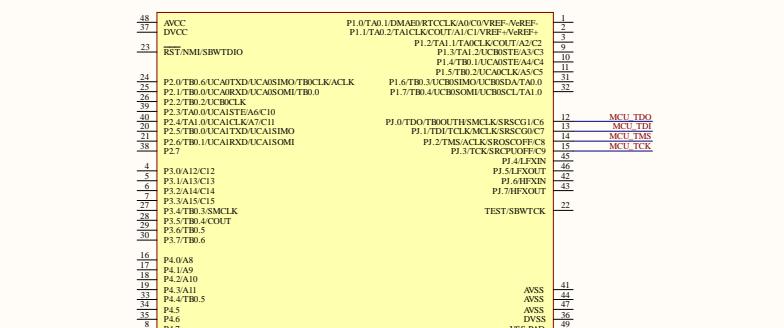
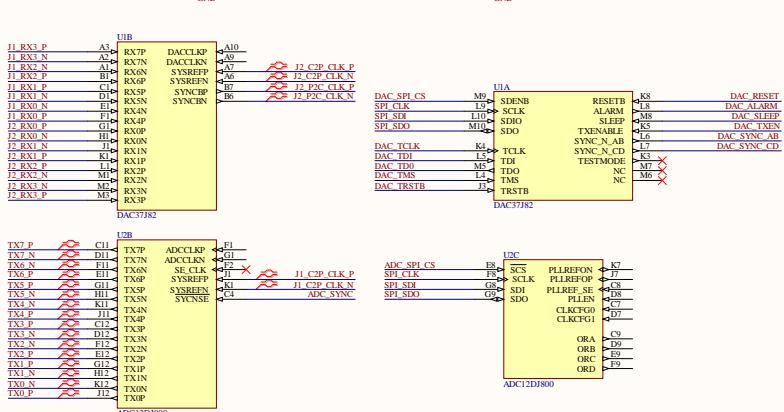
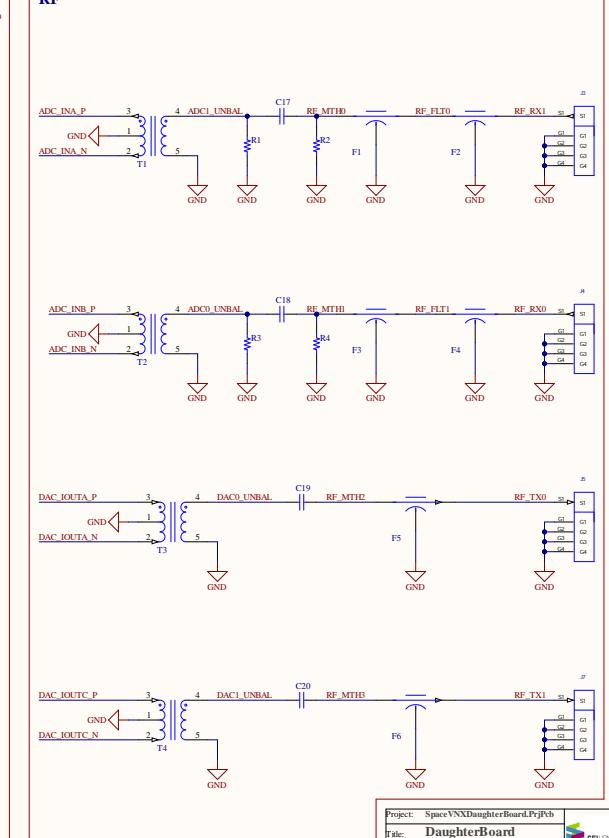
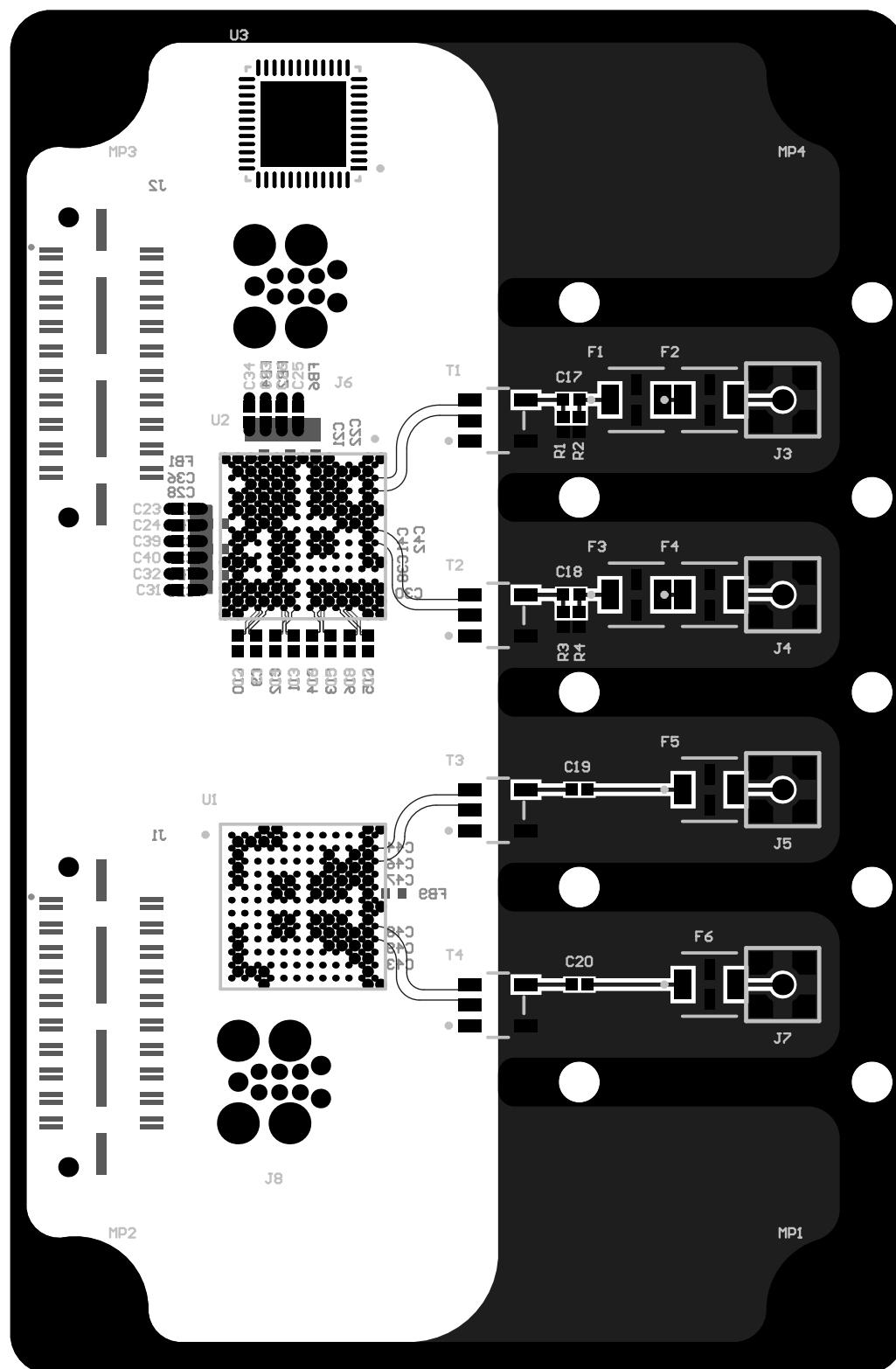


Digital & Misc**Power****Analog****RF**

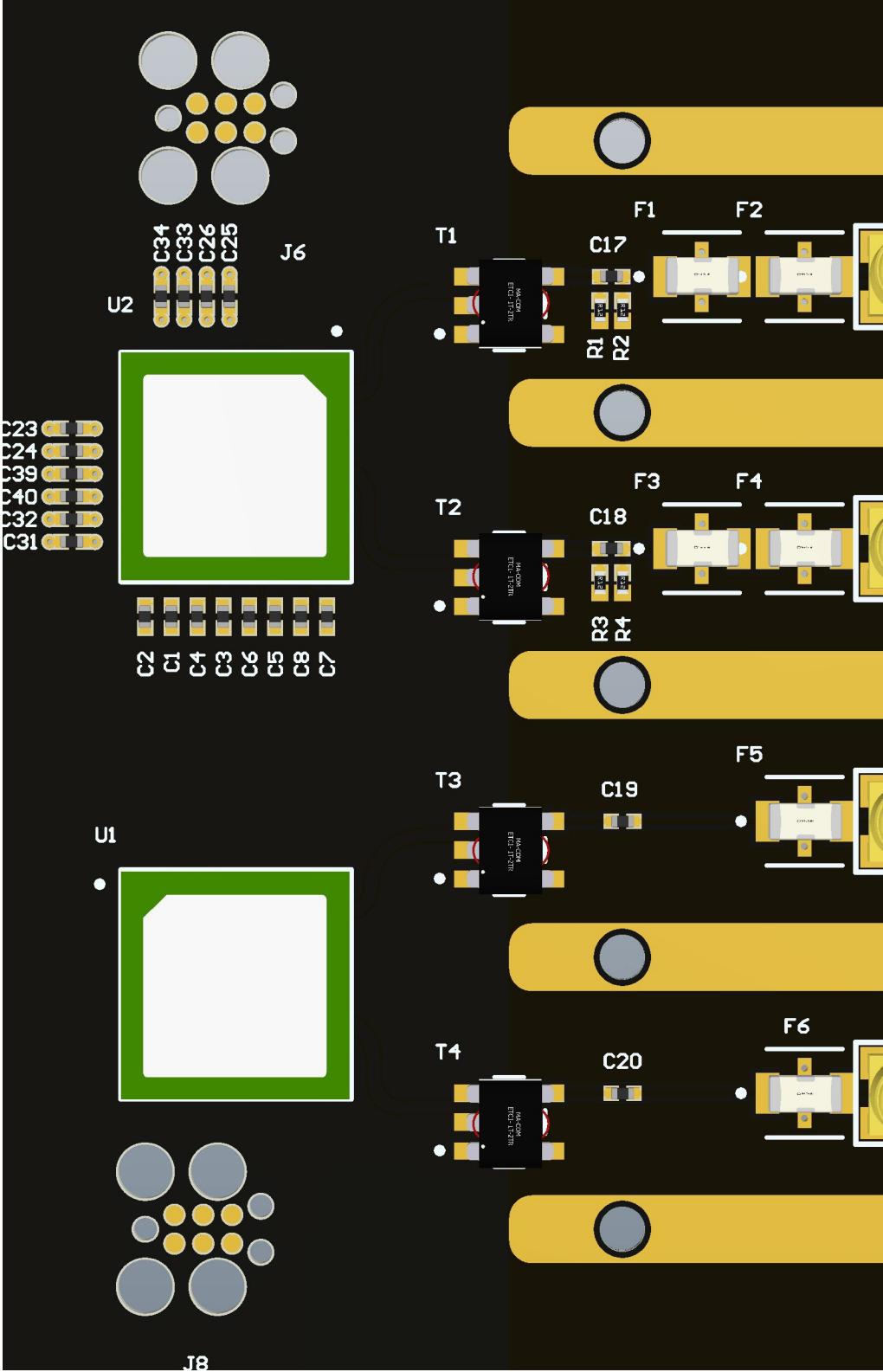
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Title: DaughterBoard
Designer: Carlos Barreiro
Revision: 1.0
Date: 21/05/2022
Sheet: 1 of 1
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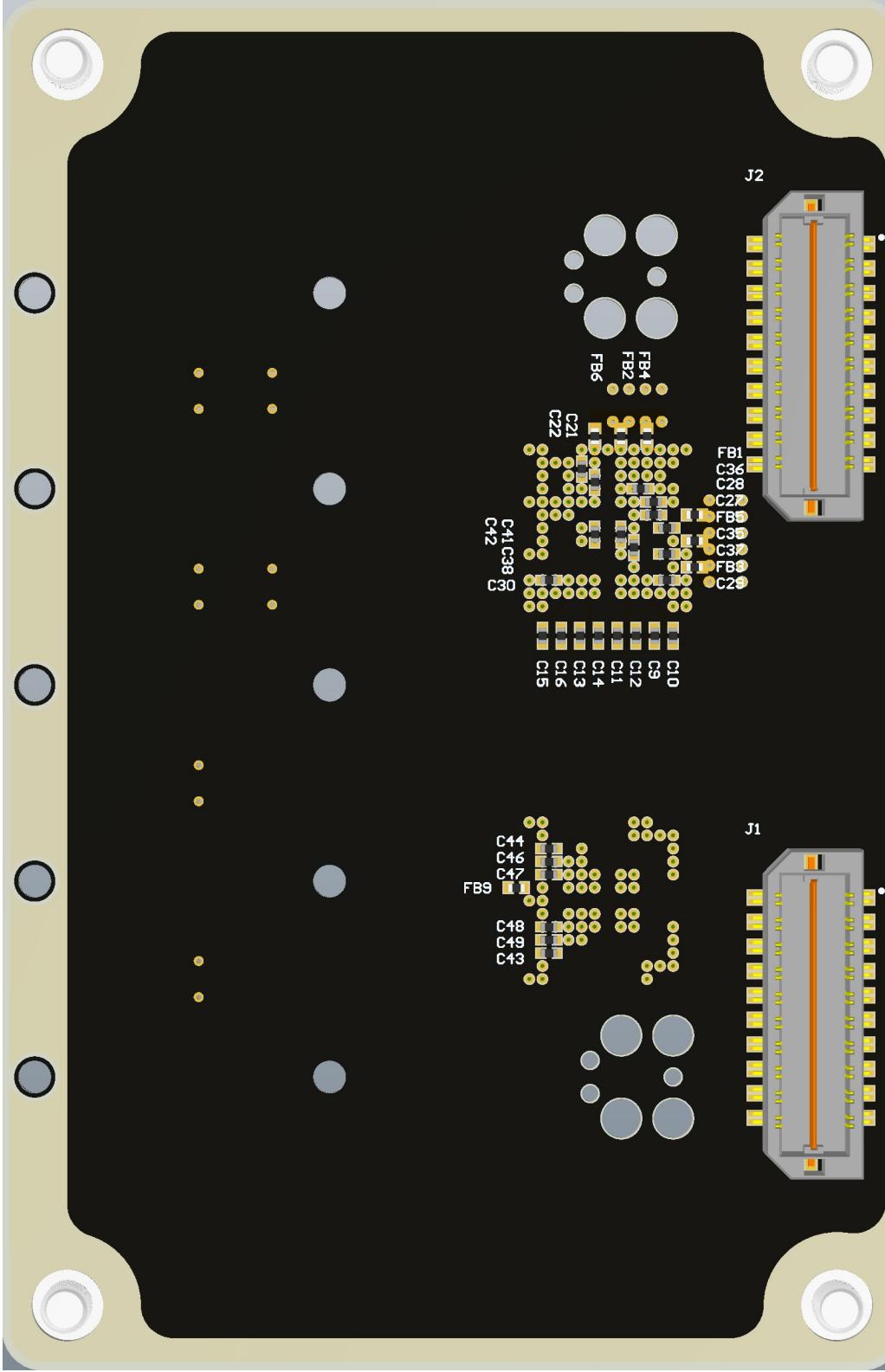


C45

FB8

FB7





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, NPO, 10pF, 16V	10pF, 16V	WURTH_WCAP-CSGP_0402
C21, C23, C26, C28, C29, C31, C34, C36, C37, C39, C41, C42, C43, C46	14	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X5R, 10uF, 6.3V	10μF, 6.3V	WURTH_WCAP-CSGP_0402
C22, C24, C25, C27, C30, C32, C33, C35, C38, C40, C44, C45, C47, C48, C49	15	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 100nF, 10V	100nF, 10V	WURTH_WCAP-CSGP_0402
F1, F2, F3, F4, F5, F6	6	Band Pass RF Filter	BFTC-XXXX+	Mini-Circuits_FV1206
FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9	9	WE-CBF SMT EMI Suppression Ferrite Bead, size 0402, 120Ohm, 1.1A	120Ohm, 1.1A	WURTH-CBF_0402
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, J4, J5, J7	4	50 Ω MMCX up to 6 GHz	MMCX-J-P-X-ST-SM1	MMCX-J-P-X-ST-SM1
J6, J8	2	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	100Ω	PANASONIC_ERJ2G_0402
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	Dual-Channel, 12-bit, 800-MSPS Analog-to-Digital Converter with JESD204C interface.	ADC12DJ800	TEXAS_FCBGA144
U3	1	MSP430™ FRAM Microcontroller IC 16-Bit 16MHz 64KB (64K x 8) FRAM 48-VQFN (7x7)	MSP430FR5969RGZR	TEXAS_VQFN48

