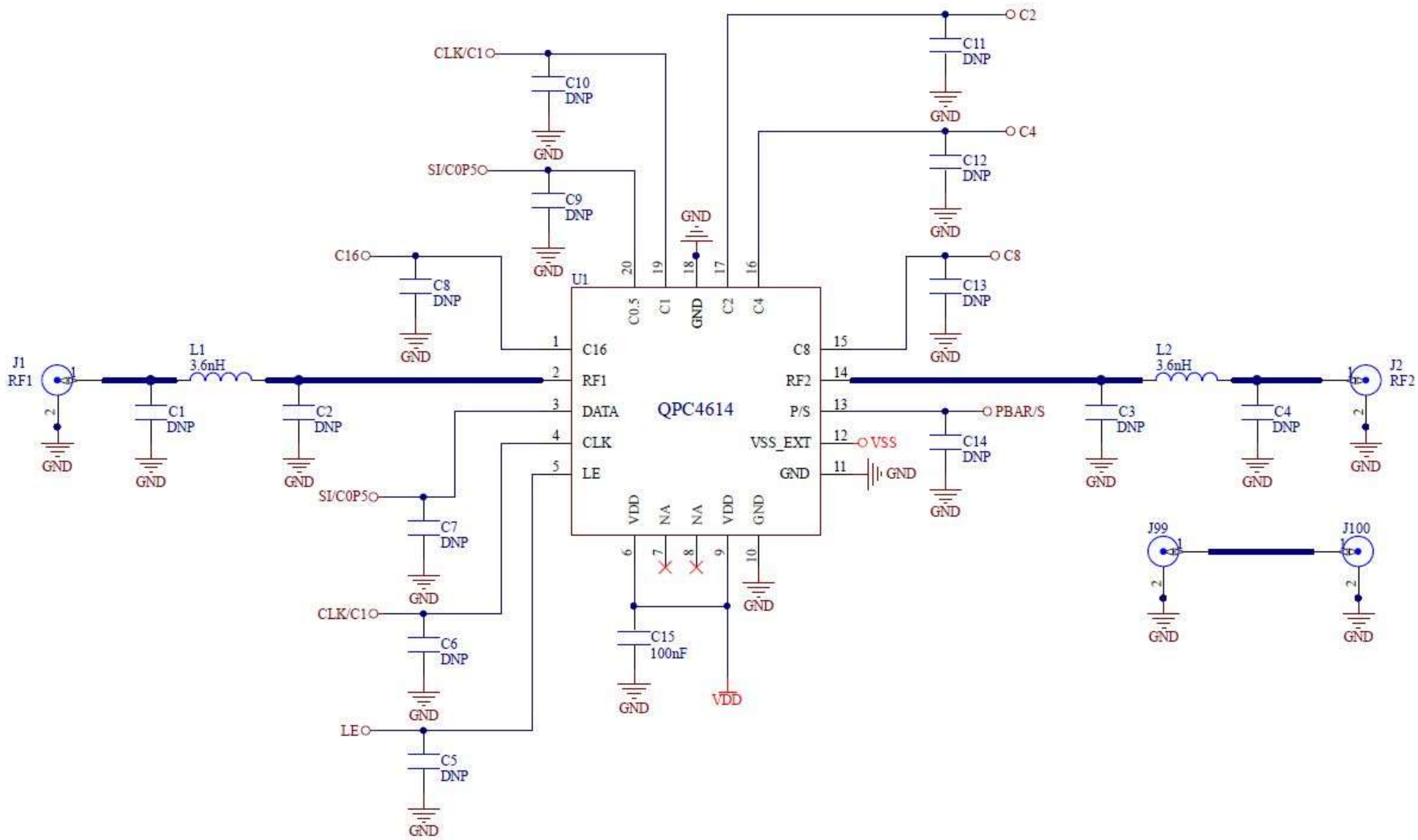
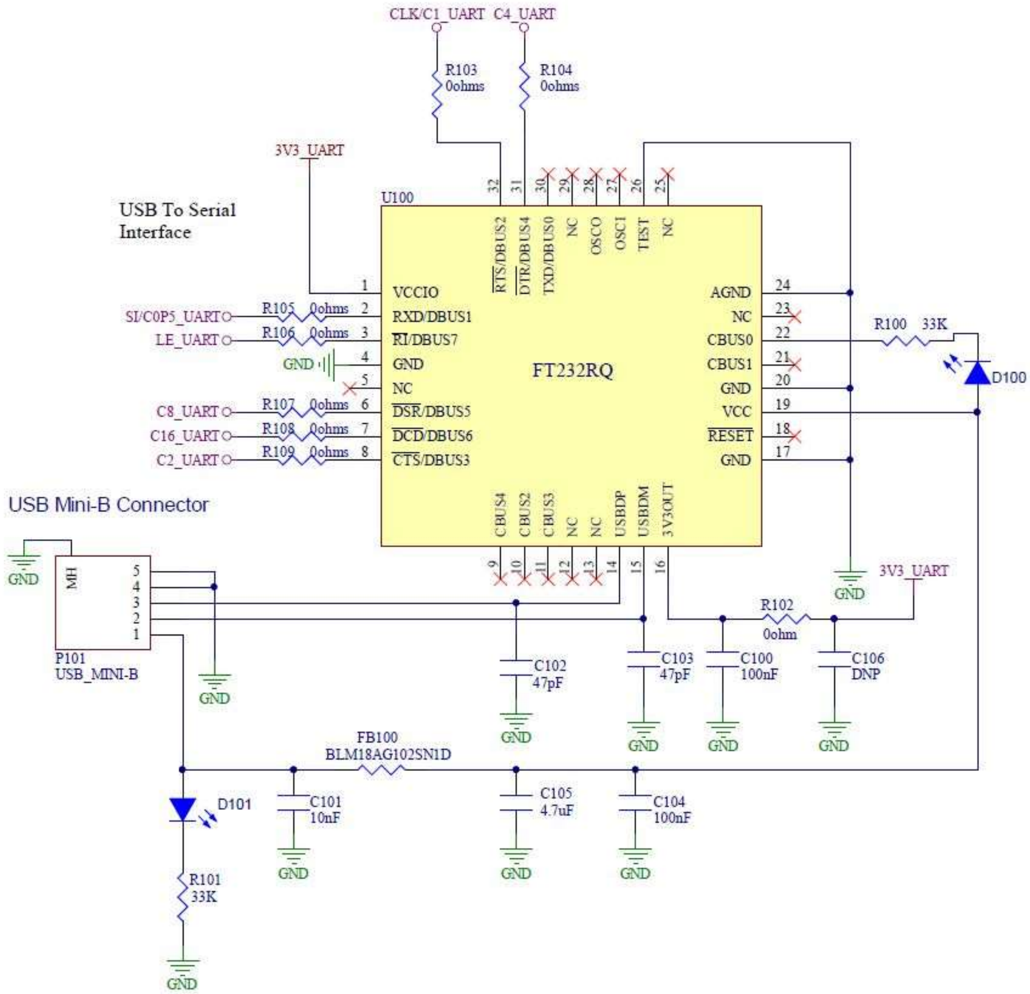
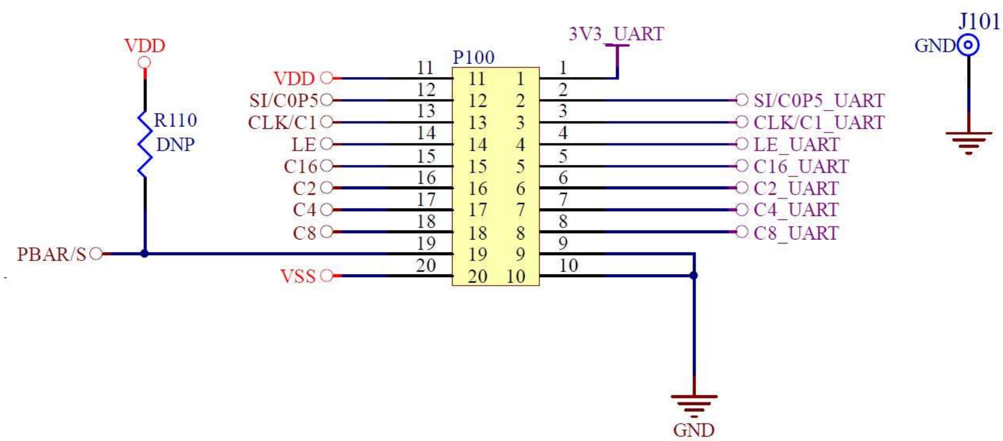
Evaluation Board Schematic; 5 – 2000MHz



Evaluation Board Schematic; USB Interface

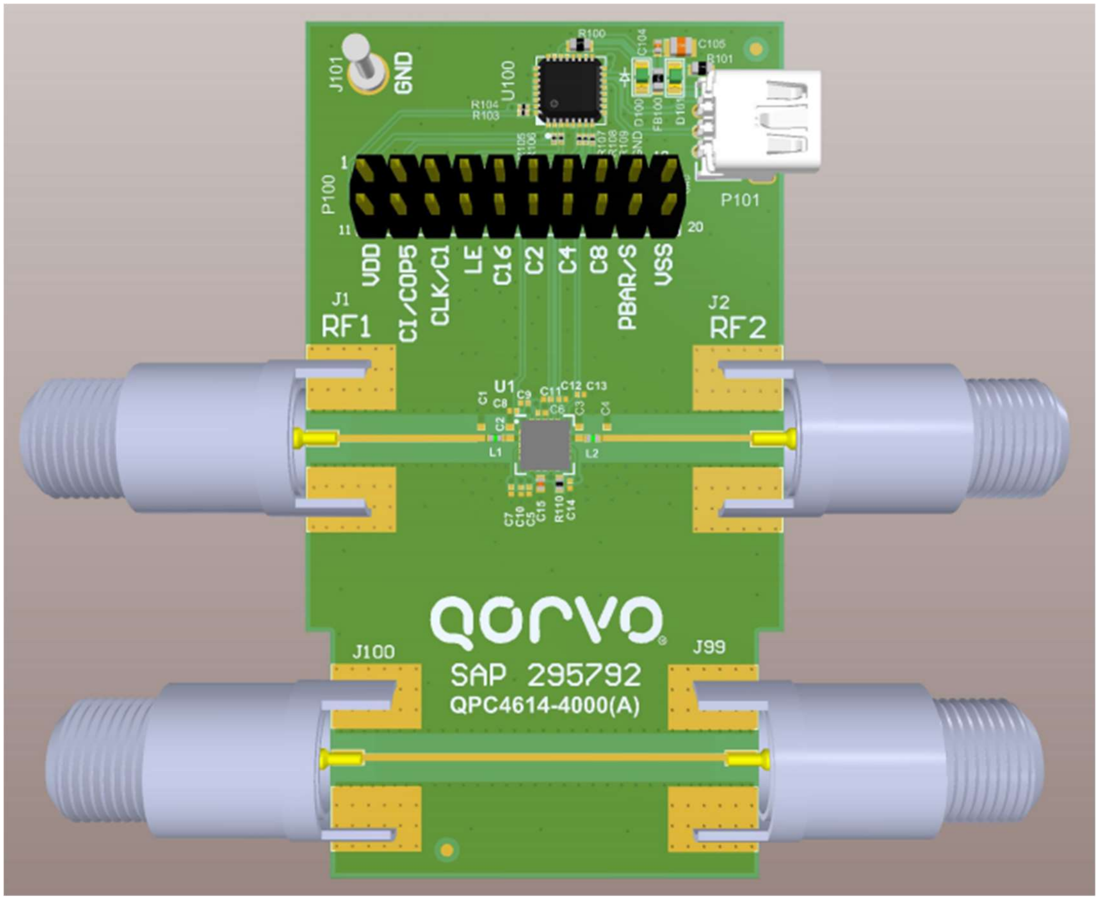




Evaluation Board Bill of Materials

Ref Designator	Qty	Description	Manufacturer	Manufacturer Part #
	1	PCB, QPC4614	TTM Technologies, Inc.	QPC4614-4000(A)
C102, C103	2	CAP, 47pF, 5%, 50V, C0G, 0402	Kamaya, Inc	HH15N470J500CT
C101	1	CAP, 0.01uF, 10%, 50v, X7R, 0402	Murata Electronics	GCM155R71H103KA55D
C105	1	CAP, 4.7uF, 10%, 16V, X7R, 0805	AVX Asia Limited	0805YC475KAT2A
C15, C100, C104	3	CAP, 0.1uF, 10%, 50V, X7R, 0402	TDK Singapore PTE LT	C1005X7R1H104K050BE
L1, L2	2	IND, 3.6nH, +/-0.1nH, M/L, 0402	Murata Electronics	LQG15HS3N6B02D
R100, R101	2	RES, 33K, 5%, 1/10W, 0603	Kamaya, Inc	RMC1/16S-333JTH
R103, R104, R105, R106, R107, R108, R109	7	RES, 0 Ohm, JUMPER, 0201	Kamaya, Inc	RMC1/20JPPA15
R102	3	RES, 0 Ohm, 5%, 1/10W, 0402	Kamaya, Inc	RMC1/16SJPTH
D100, D101	2	LED, GRN, CLR, 3.2V, 30Ma, 0603	Wurth Elektronik	150060GS75000
FB100	1	FER, BEAD, 1K, 100mA, 0603	Murata Electronics	BLM18AG102SN1D
U100	1	IC, USB-ART, 3.3-5.25V, QFN-32	Future Technology Devices Int'l Ltd	FT232RQ-REEL
S1-11, S2-12, S3-13, S4-14, S5-15, S6-16, S7-17, S8-18, S9-19, S10-20	10	JUMPER, 2-Pin	3M Interconnect Solutions	929950-00
P100	1	CONN, HDR, ST, 2x10, 0.100”	Samtec, Inc.	TSW-110-07-G-D
P101	1	CONN, USB, MINI-B, RT, ANG, 5-PIN, T/H	Molex	054819-0519
J1, J2, J99, J100	4	CONN, F FEM EDGE MOUNT, 75 OHMS, 0.065	Genesis Technology USA	GT20-300204
J101	1	862000-055 TERM, SOLDER TURRET, 0.062 PCB	Mouser Electronics, Inc	2533-0-00-44-00-00-07-0
C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C106, R110	16	Do Not Populate		

Evaluation Board Assembly Drawing



On Board Jumpers (P100)

Jumper	Signal	Position	Comment
1-11	VDD	Jumper	Install to supply QPC4614 from USB 3.3V. Remove for external supply from P100-11.
2-12	CI/C0P5	Jumper	Serial Data / Parallel C0.5 Control Line
3-13	CLK/C1	Jumper	Serial Clock / Parallel C1 Control Line
4-14	LE	Jumper	Latch Enable Control Line
5-15	C16	Jumper	Parallel C16 Control Line
6-16	C2	Jumper	Parallel C2 Control Line
7-17	C4	Jumper	Parallel C4 Control Line
8-18	C8	Jumper	Parallel C8 Control Line
9-19	PBAR/SI	Open (Pin to Pull-up Resistor)	Serial Mode
		Jumper (Pin to GND)	Parallel Mode
10-20	VSS – Negative Source	Jumper	Use to tie VSS to GND to enable internal Negative Voltage Generator (NVG), or remove jumper to disable internal NVG and apply -5V.

Note: Attenuator is internally controlled and powered, through the USB port, when all jumpers are applied (3.3V).