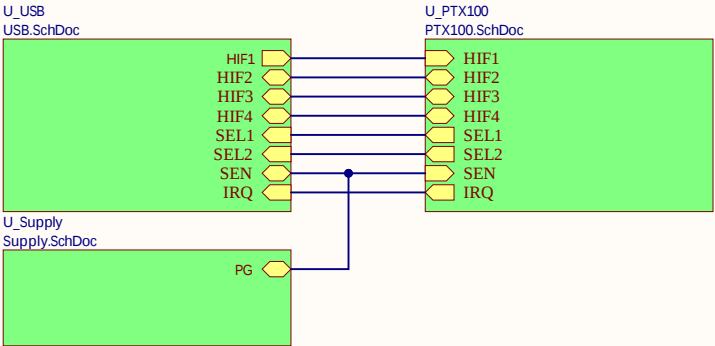
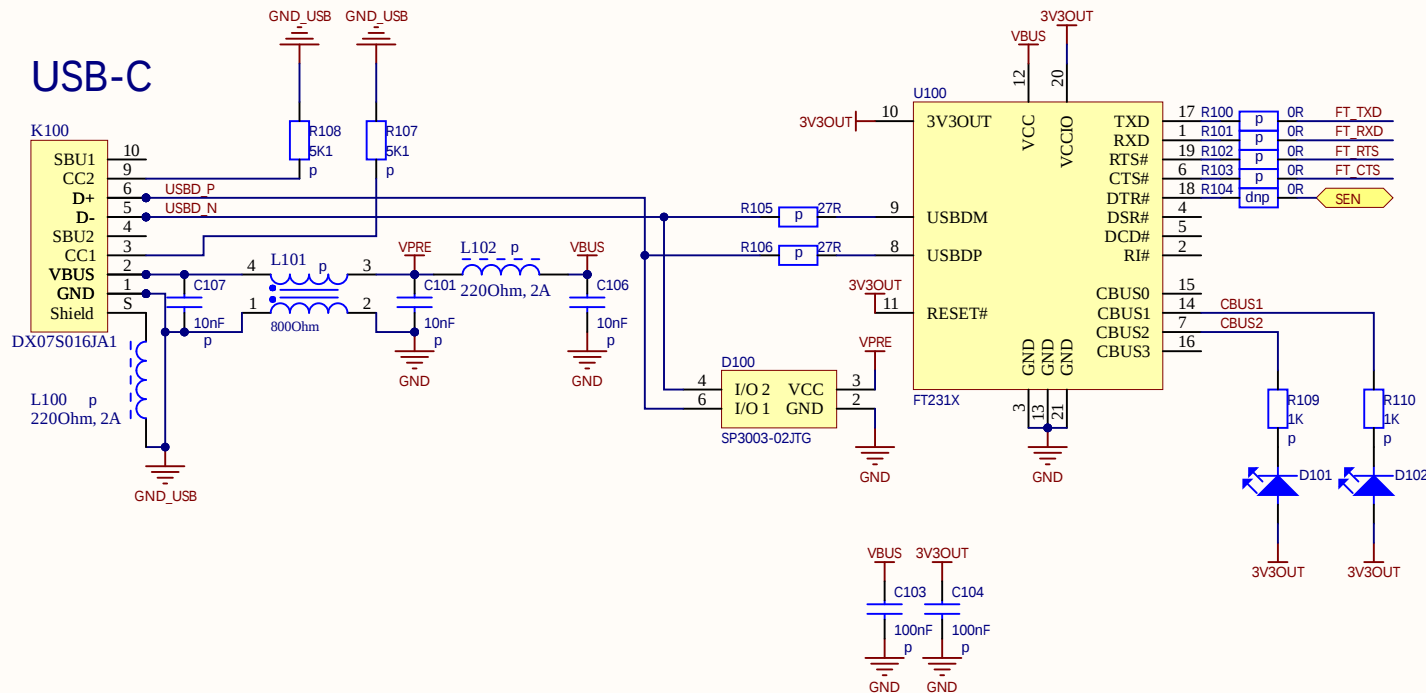


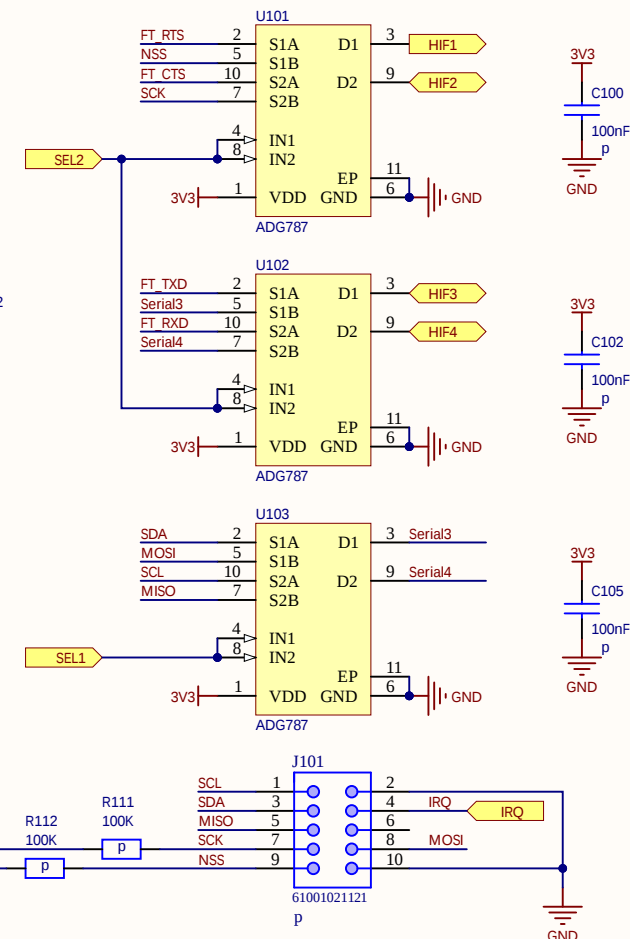


USB-C

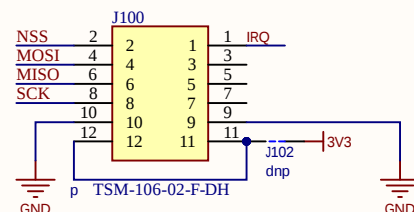


PIN - SPI - I2C - UART
HIF1 - NSS - ADDR0 - CTS
HIF2 - SCK - ADDR1 - RTS
HIF3 - MOSI - SDA - RXD
HIF4 - MISO - SCL - TXD

1) LSBs of I2C address, evaluated at boot



PMOD



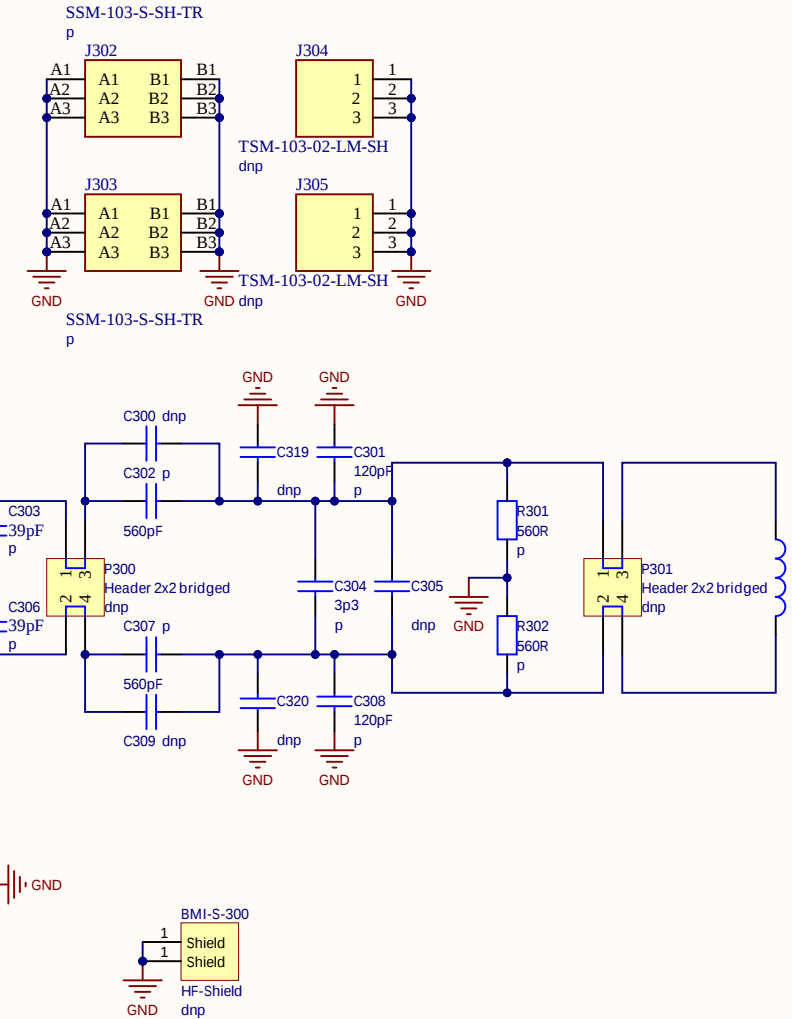
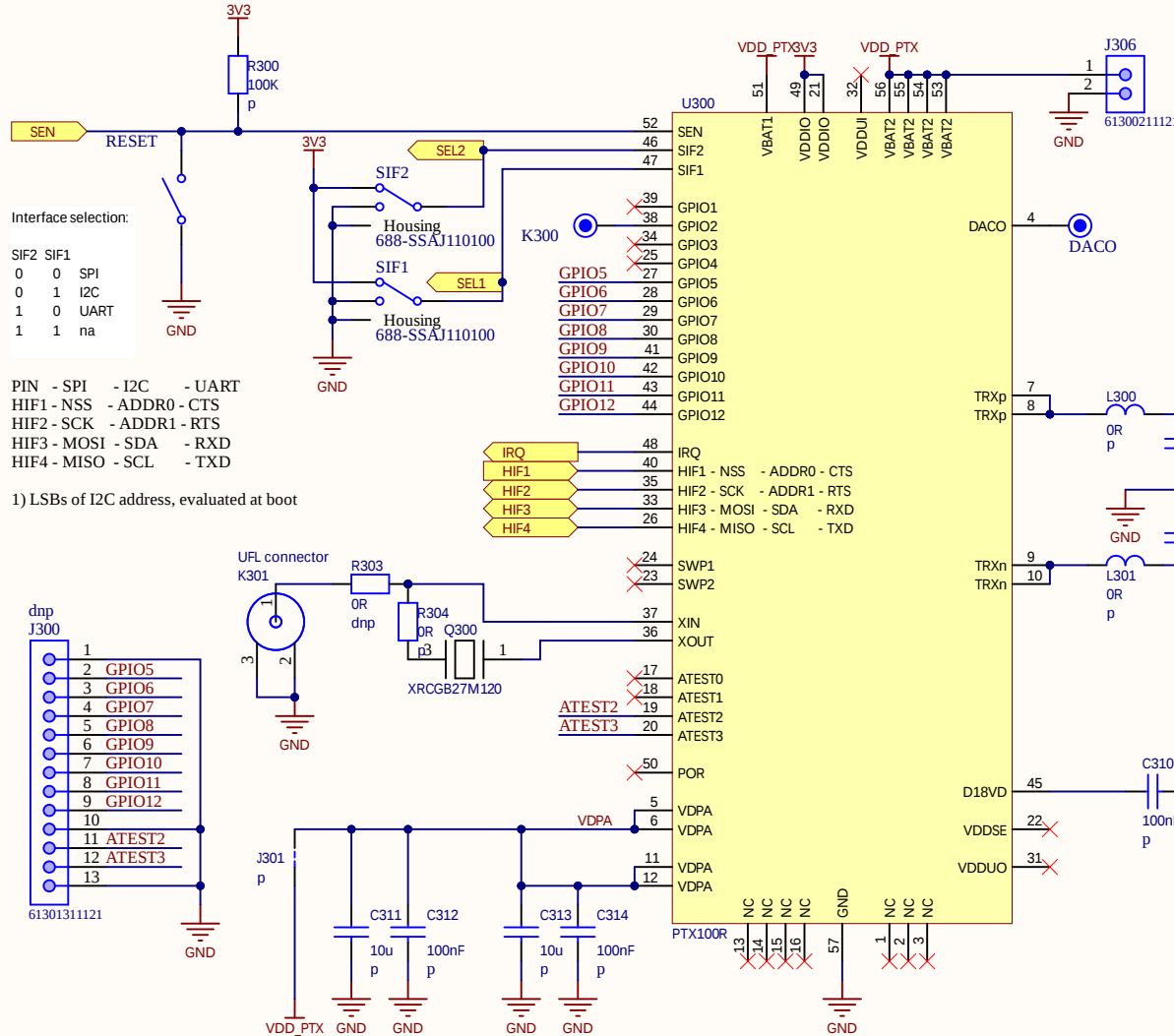
A



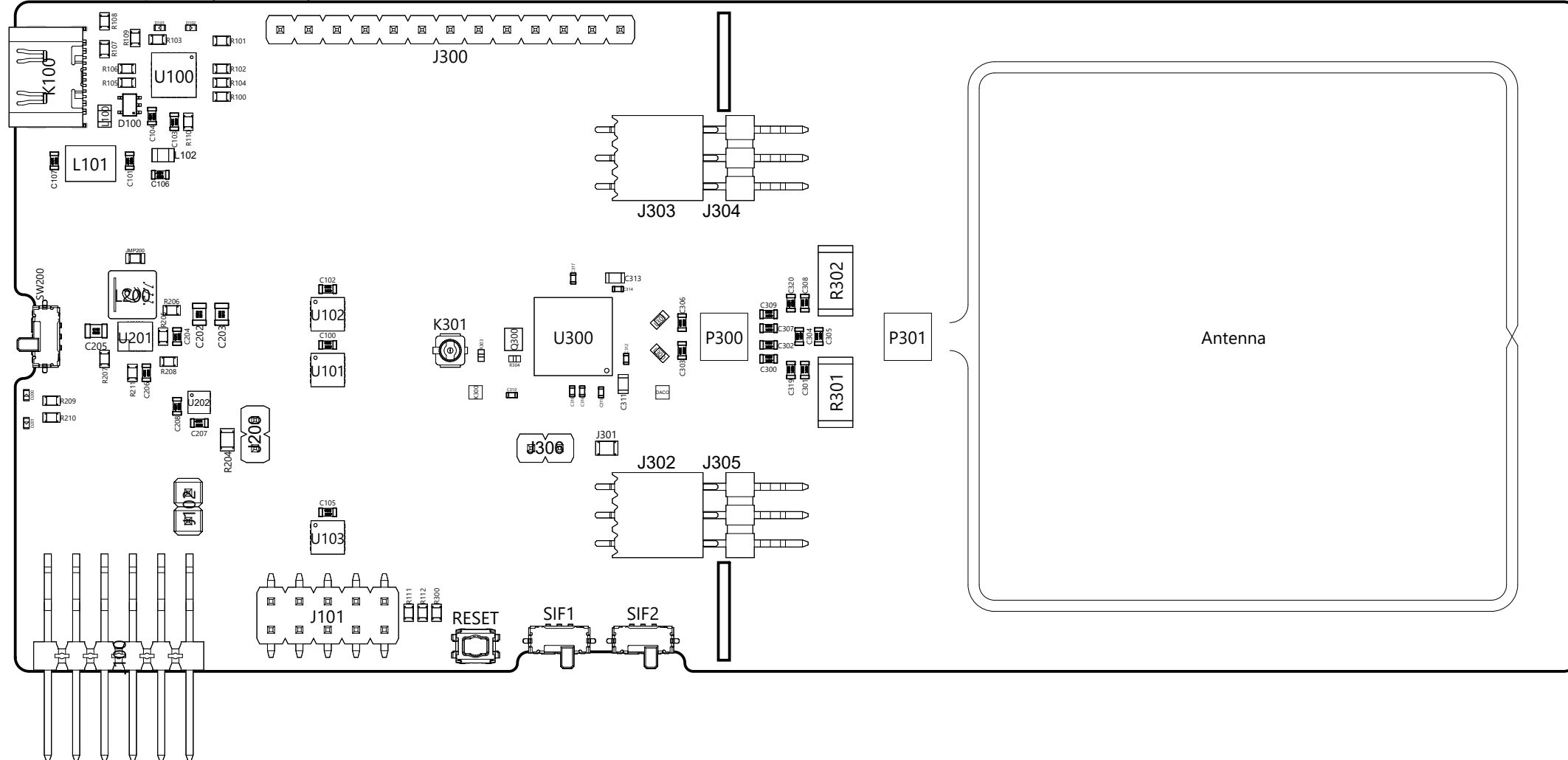
D

D

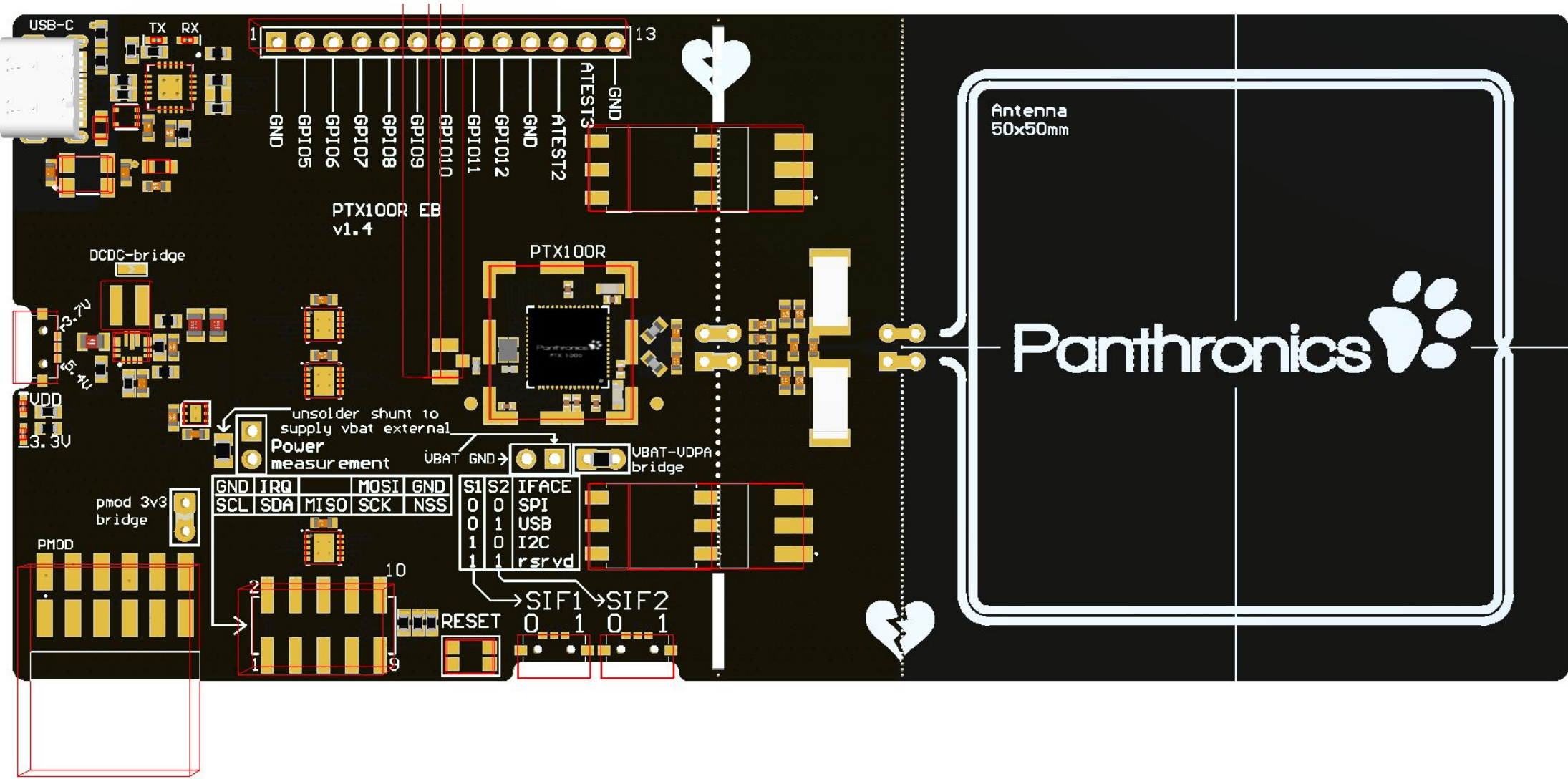
PTX100R



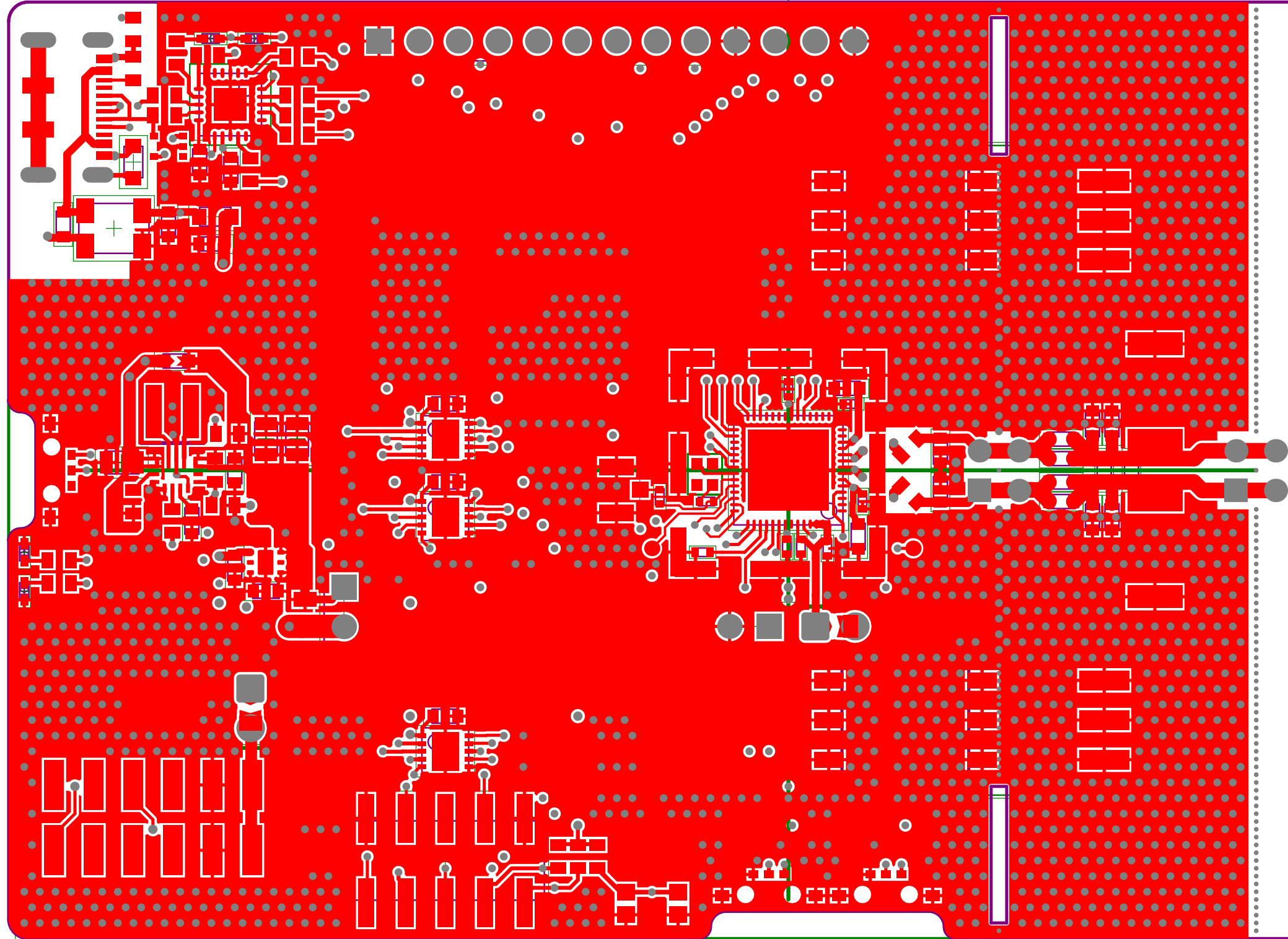
View from Top side (Scale 2:1)

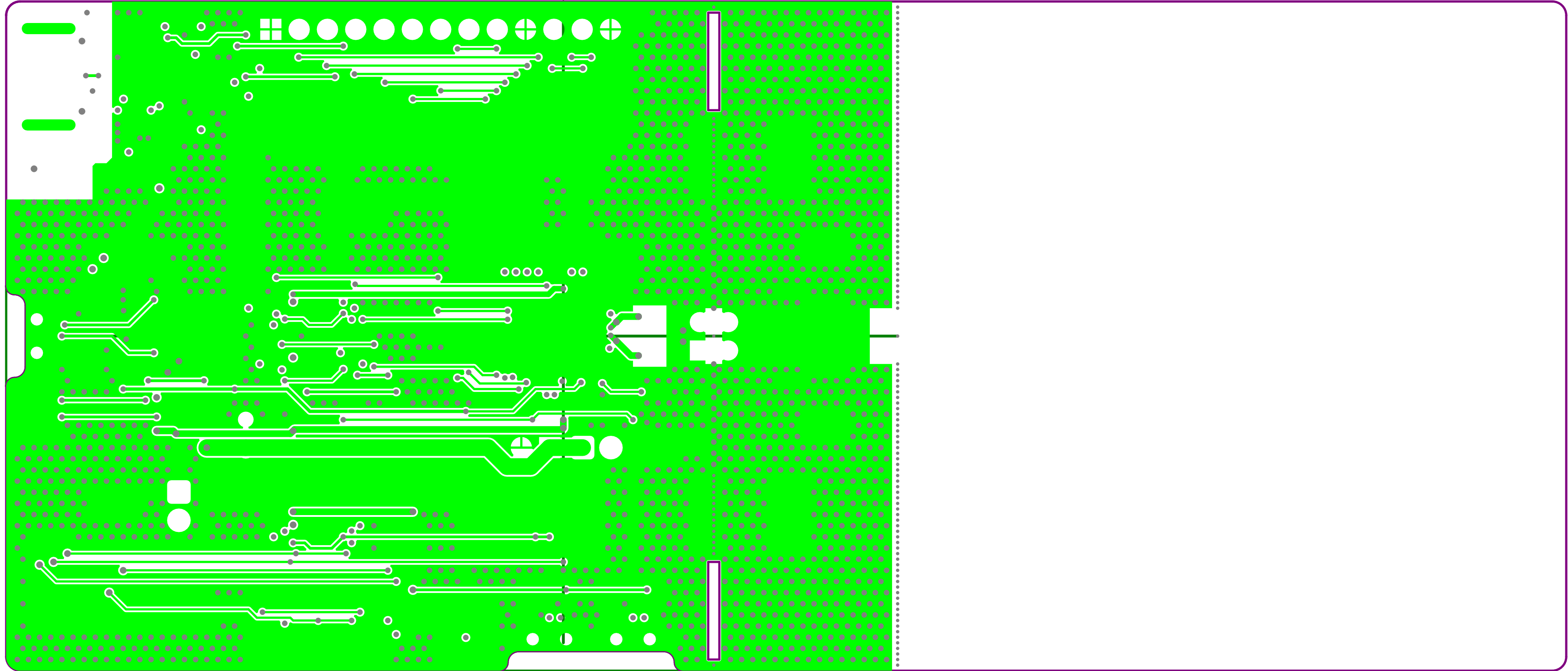


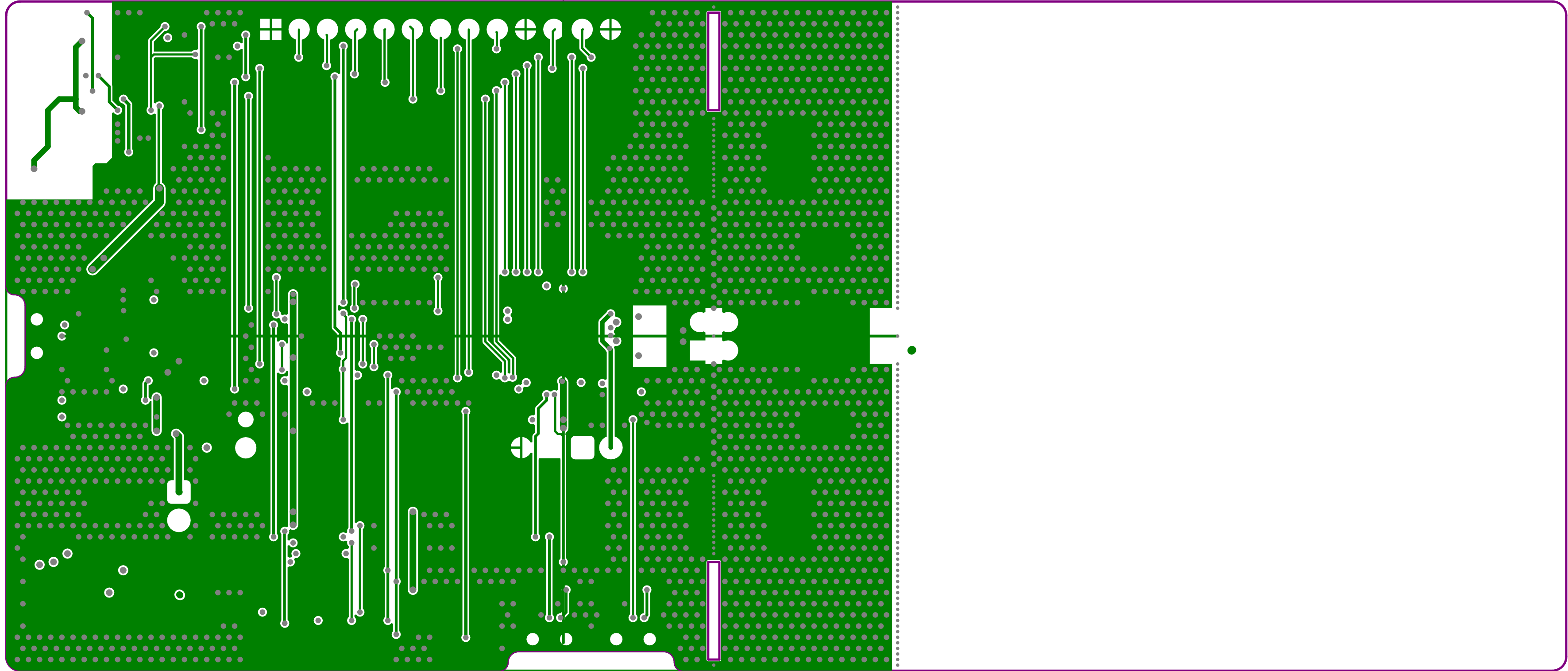
Title: Assembly Top	Size: A4	Pantronics AG Sternaeckerweg 16 8041 Graz Austria
Project: PTX_Eval_Board.PrjPcb		
Date: 18/03/2022	Time: 07:44	
File: C:\Users\gernot.hehn\Documents\Altium\demoboard\Eval_Board\Assembly.PCBdWf		

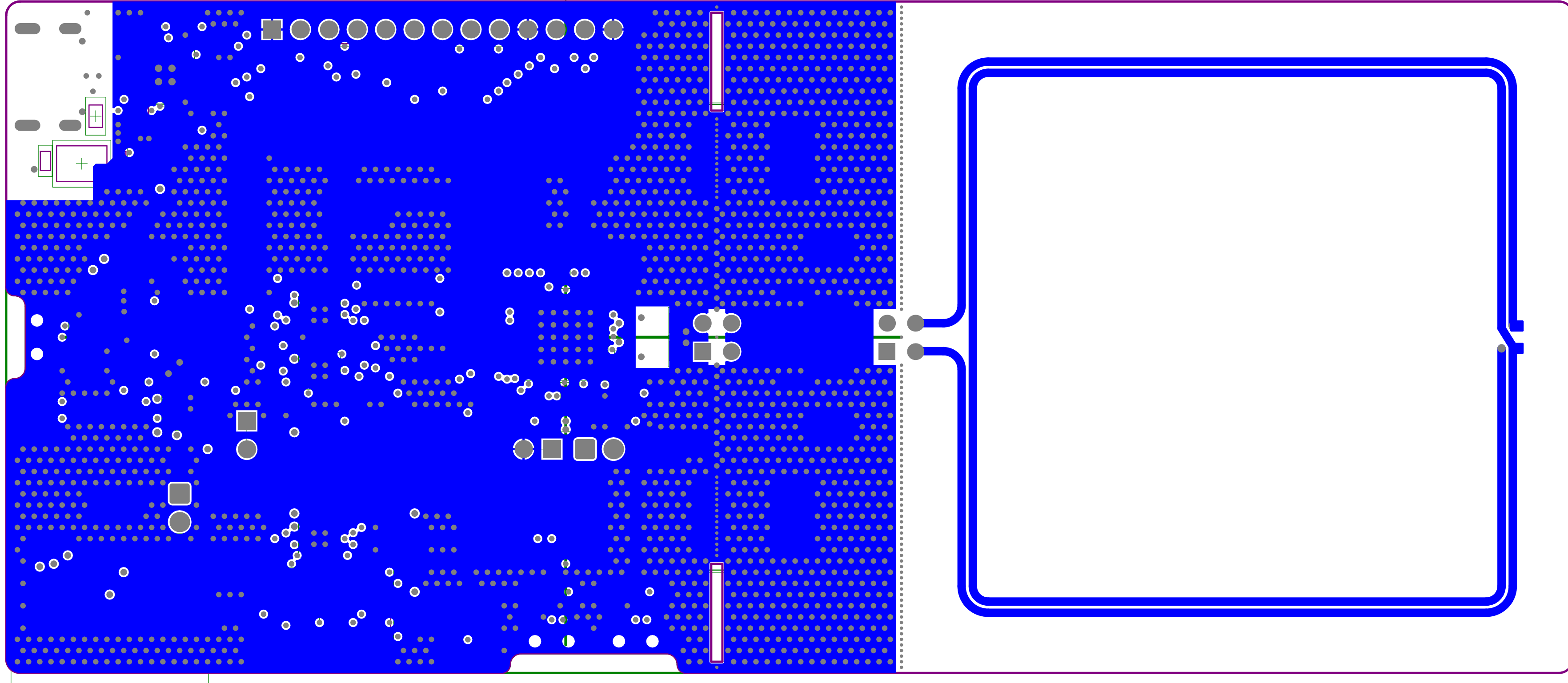


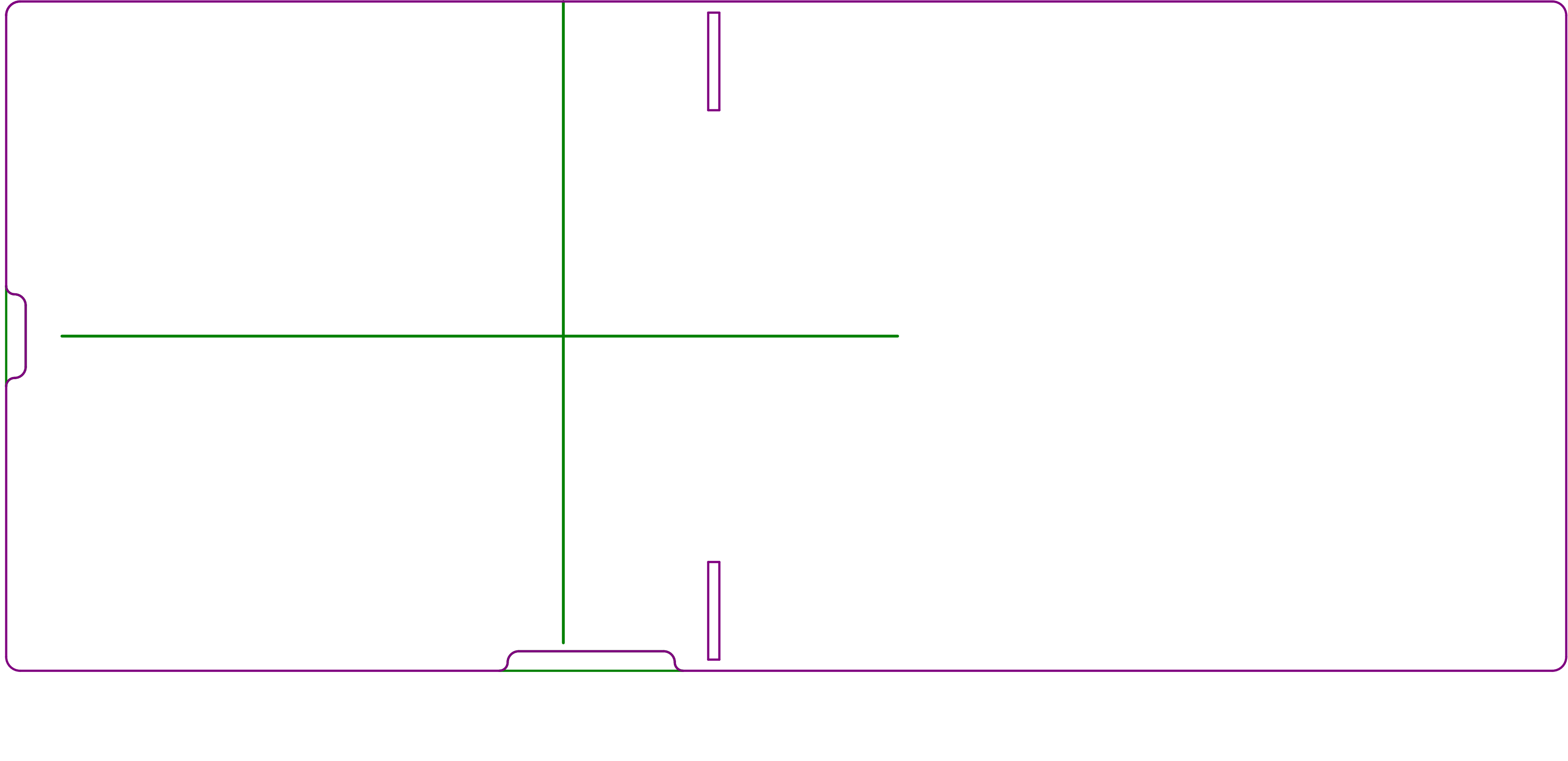


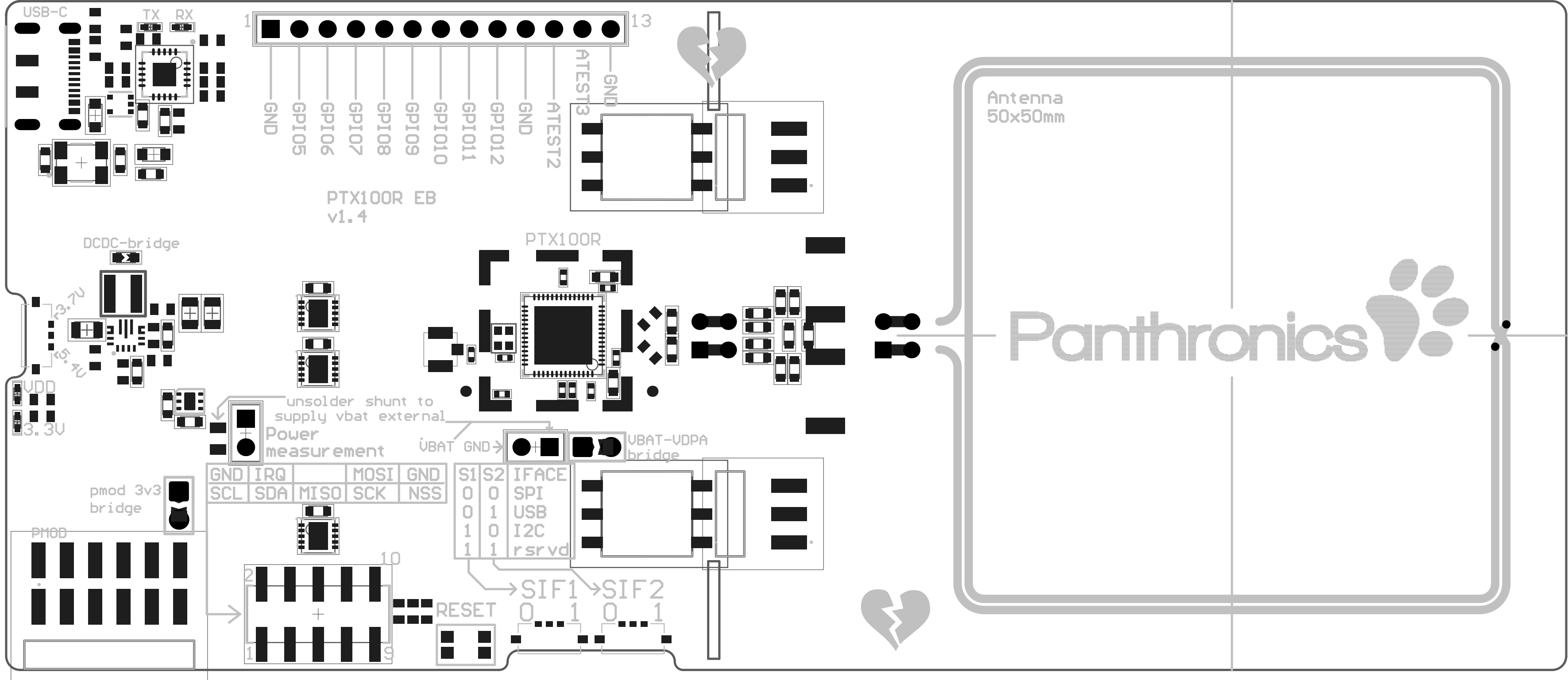


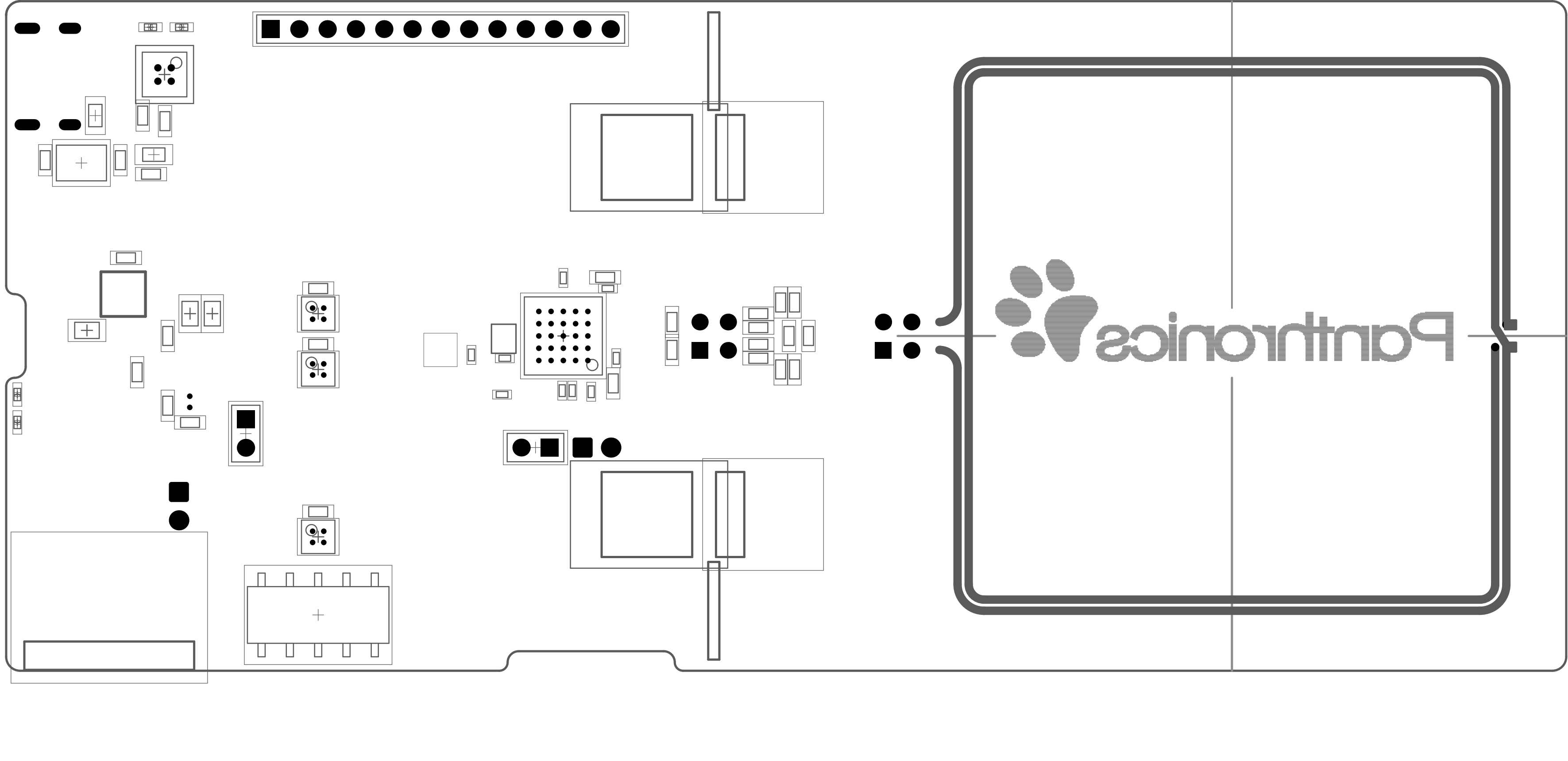












Designator	place	Quantity	value	Tolerance	size	Comment	Footprint	Manufacturer	Manufacturer Part Number	Supplier 1	Supplier Part Number 1	Description
BM-5-300	dnp	1				HF-Shield	BM-5-101	Laird Technologies EM	BM-5-101	Mouser	739-BM-5-101	Board Mount EMI Enclosures RF Absorber CRS Tin SMD
C100, C102, C103, C104, C105, C206	p	6	100nF	5%	0603	100nF	C0603-GRM18					0603, X7R, 16V, 10%, 0603, X7R, 25V, 10%, 0603, X7R, 50V, 10%
C101, C106, C107	p	3	100nF	5%	0603	100nF	C0603-GRM18					0603, X7R, 16V, 10%, 0603, X7R, 25V, 10%, 0603, X7R, 50V, 10%
C202, C203, C205	p	3	22uF	20%	0805	22uF	C0805-GRM21					0805, XSR, 10V, 10%, 0805, XSR, 25V
C204, C207, C208	p	3	10uF	20%	0603	10uF	C0603-GRM18					0603, XSR, 10V, 10%
C300, C305, C309, C310, C320	dnp	5			0603		C0603-GRM18					0603
C301, C308	p	2	120uF	2%	0603	120uF	C0603-GRM18					0603
C303, C307	p	2	560uF	2%	0603	560uF	C0603-GRM18					0603
C303, C306	p	2	39uF	2%	0603		C0603-GRM18					0603
C304	p	1	3u3	2%	0603	3u3	C0603-GRM18					0603
C310, C312, C314, C315, C316, C317, C318	p	7	100nF	10%	0402	100nF	C0402-GRM15					0402, X7R, 50V, 10%, 0402
C311, C313	p	2	10u	10%	0603	10u	C0603-GRM18					0603, XSR, 10V, 10%
D100	p	1				SP3003-02T/G	SC70-5	LiteFUSE	SP3003-02T/G	Mouser	576-SP3003-02T/G	LITTLE FUSE - SP3003-02T/G - ESD Protection Device, TVS, 15V, SC-70, 5 Pins, 6V, SP300 Series
D101, D102	p	2				APHHS-1005ECK	APHHS-1005	Kingbright	APHHS1005ECK	Mouser	604-APHHS1005ECK	LED ORANGE CLEAR CHIP SMD
D100, D201	p	2				APHHS-1005GCK	APHHS-1005	Kingbright	APHHS1005GCK	Mouser	604-APHHS1005GCK	LED GREEN CLEAR CHIP SMD
D100	p	1				TSM-106-02-F-DH	TSM-106-ZZ-VYY-DH	Samtec	TSM-106-02-F-DH	Mouser	200-TSM10602FDH	Conn Unshrouded Header HDR 12 POS 2.54mm Solder RA SMD
D101	p	1				61001021121	61001021121	Würth Elektronik	61001021121	Mouser	710-61001021121	WR-PHD Pin Header, SMT, pitch 2.54mm, Dual Row, Vertical, 10pin
D102	dnp	1				Jumper-Zway	JMP-PTH_0805-2					
D200, D306	dnp	2				61300211121	61300211121					WR-PHD Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 3pin
D300	dnp	1				61301311121	61301311121	Würth Elektronik	61301311121	Mouser	710-61301311121	WR-PHD Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 13pin
D301	p	1	10R		0805	Jumper-Zway	JMP-PTH_0805-SMD					
D302, D303	p	2				S5M-103-5-SH-TR	S5M103SHTR	Samtec	S5M-103-5-SH-TR	Mouser	200-S5M103SHTR	Headers & Wire Housings .100 (2.54 mm) Tiger Claw Surface Mount Socket Strip
D304, D305	dnp	2				TSM-103-02-LM-SH	TSM-103-YY-ZZZ-SH	Samtec	TSM-103-02-LM-SH	Mouser	200-TSM10302LMSH	Conn Unshrouded Header HDR 3 POS 2.54mm Solder RA SMD Tube
JMP200	dnp	1				Jumper-Zway	JMP0603-2					
K100	p	1				DW075016A1	DW075016A1	JA-Electronics	DW075016A1R1500	Mouser	656-DW075016A1R1500	JSB Type-C Compatible 16-position Right Angle receptacle
K301	p	1				UFL connector	UFL-R-SMT(10)	Hirose	UFL-R-SMT-1(10)	Mouser	798-UFL-R-SMT10	HIRSZ(HRS) - UFL-R-SMT-1(10) - RF COAXIAL, UFL, STRAIGHT JACK, 50OHM
L100, L102	p	2			0805	220Ohm, 2A	WE-CBA_0805_High Current	Würth Elektronik	762853221	Mouser	710-762853221	WE-CBA SMT EMI Suppression Ferrite Bead, size 0805, 2200hm, 2A
L101	p	1		25%	1812	800Ohm	WE-CNSW_1812	Würth Elektronik	744235801	Mouser	710-744235801	Choke/Filter, Common Mode, WE-CNSW (up to 1812, 1.3uH 100kHz 1000mA
L200	p	1	1u5	20%		1u5	XFL4020	Coilcraft	XFL4020-152MEC	Mouser	994-XFL4020-152MEC	INDUCTOR, 1.5uH, 9.1A, 20%, 59MHZ, REEL
L300, L301	p	2	20R		0603	20R	LQW18					0603 bridged
P300, P301	dnp	2				Header 2x2 bridged	Pin Header 2x2 TH Pitch 2.54mm bridged	Würth Electronics	61300421121	Mouser	710-61300421121	WURTH-ELECTRONIK 61300421121 Board To Board Connector, Vertical, WR-PHD Series, Through Hole, Header, 4 Contacts, 2.54 mm
Q300	p	1		30ppm		XRCGB27M120	XRCGB27M120F3M00R0	Murata	XRCGB27M120F3M00R0	Mouser	81-XRCGB27M120F3M00R0	Crystals 27MHz
R100, R101, R102, R103, R211	p	5	0R	1%	0603	0R	CRCW0603					
R104	p	1	0R	1%	0603	0R	CRCW0603					
R105, R106	p	2	27R	1%	0603	27R	CRCW0603					
R107, R108	p	2	9K1	1%	0603	9K1	CRCW0603					
R109, R110	p	2	1K	1%	0603	1K	CRCW0603					
R111, R112, R208, R300	p	4	100K	1%	0603	100K	CRCW0603					
R204	p	1	10K01	1%	0805	0901	CRCW0805					
R205	p	1	157K	1%	0603	157K	CRCW0603					
R206	p	1	157K	1%	0603	157K	CRCW0603					
R207, R210	p	2	10K	1%	0603	10K	CRCW0603					
R209	p	1	133K	1%	0603	133K	CRCW0603					
R303, R302	p	2	250R	1%	0402	060R	CRCW0402					2512, 1%
R303	dnp	1	10R	1%	0402	0R	R0402					
R304	p	1	10R	1%	0402	0R	R0402					
RESET	p	1				EVP-AA	EVPAA	Panasonic ECC	EVP-AA020K	Mouser	667-EVP-AA020K	Slide Switches slide switch with location tag, Compact type slide switch with 6.7mm body height
SF1, SF2, SW200	p	3				SSA110100	SSA110100	Alps Electric, [NoParam]	SSA110100L [NoParam]	Mouser	688-SSA110100	USB interface IC USB to Full Serial LAUT IC (25u-2)
U100	p	1				FT232LX	QFN20_40x40	FTDI	FT232LX-Q	Mouser	895-FT232LX-Q	2.5 Ohm CMOS Low Power Dual 2:1 Mux / Demux USB 1.1 switch, -40 to 85 degC, 10-pin SON (CP-10.9), Reel
U101, U102, U103	p	3				ADG787	ADI-CP-10-9_V	Analog Devices	ADG787BCPZ-500RL7	Mouser	584-ADG787BCPZ-500R7	TEXAS INSTRUMENTS TP563070RNMNR - OC/DC CONV, BLACK ROOST, 2.4MHZ, VQFN-15
U201	p	1				TP563070	VQFN-15	Texas Instruments	TP563070RNMNR	Mouser	595-TP563070RNMNR	600-mA, high-PSRR, low-IQ, low-dropout voltage regulator with enable 6-WSON 80 to 125
U202	p	1				TLV7553PDRVR	WSON-6	Texas Instruments	TLV7553PDRVR	Mouser	595-TLV7553PDRVR	
U203	p	1				FTX100R	FTX1000_QFN	Pantronics	FTX100R			