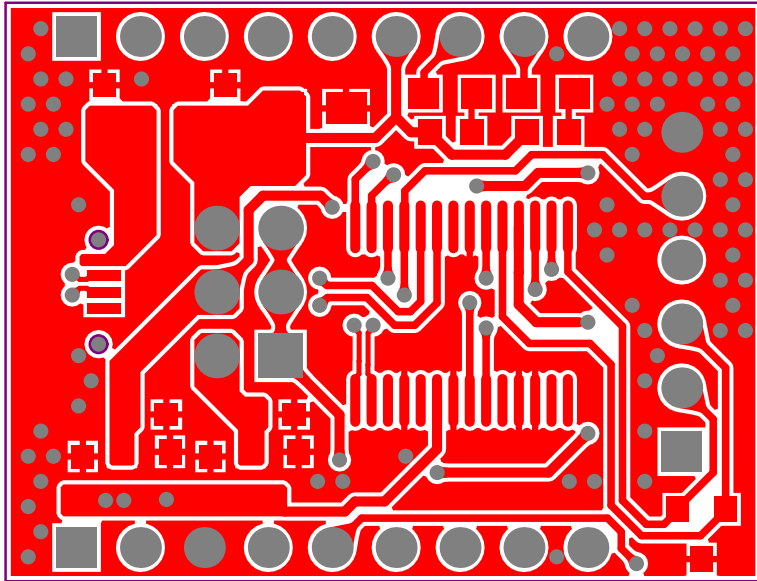
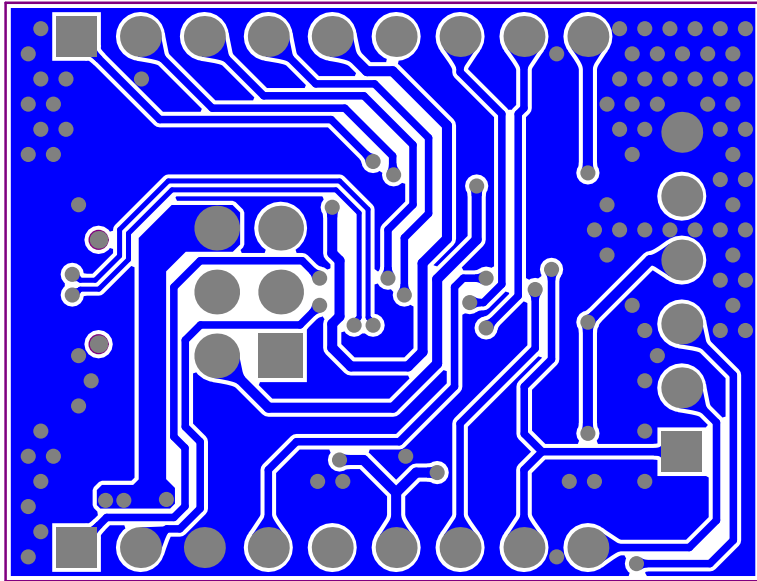
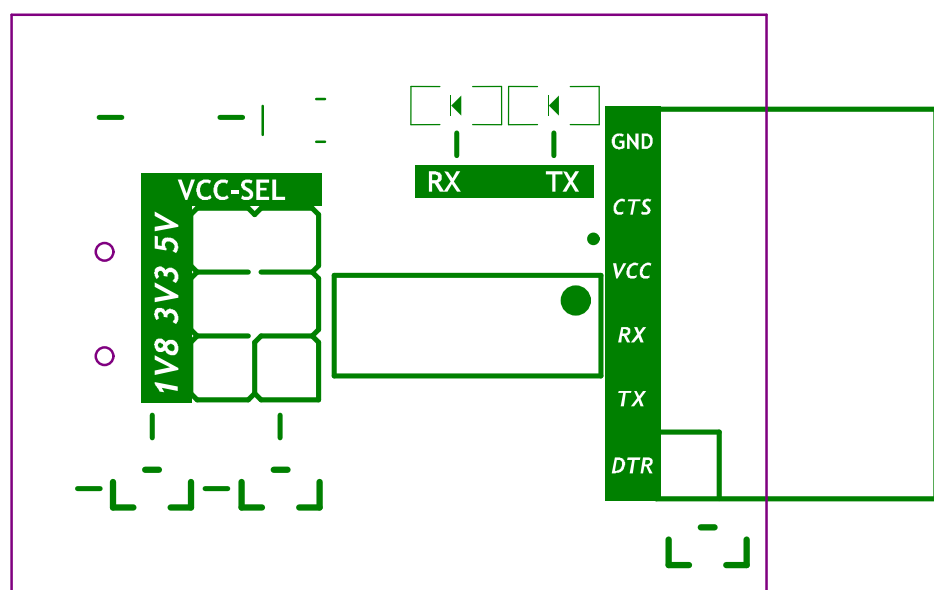
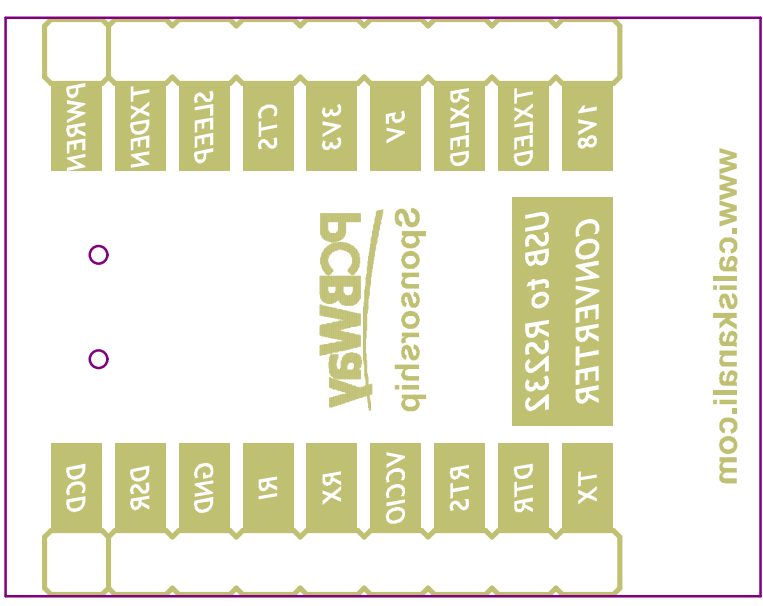


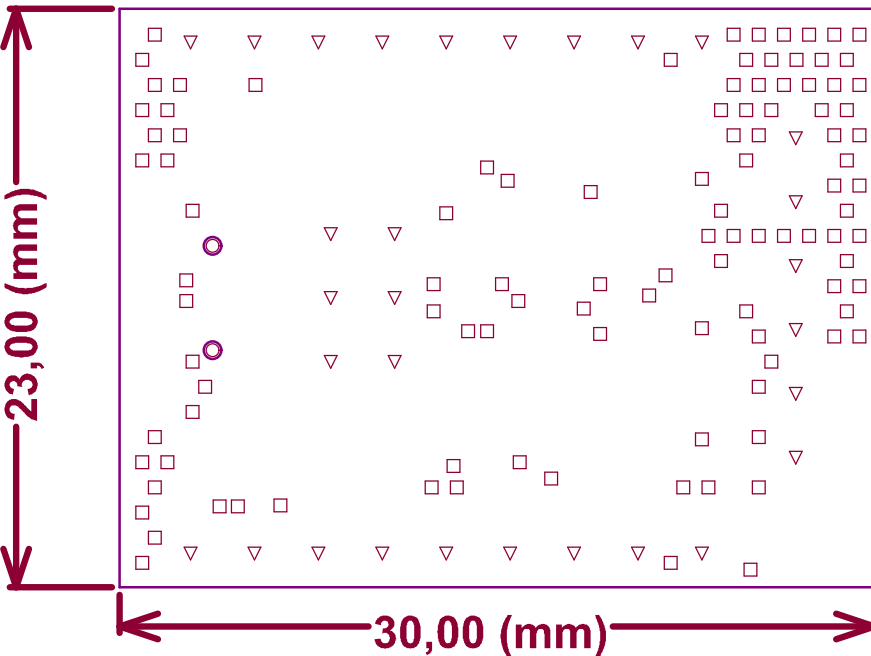
Title			
Size A4	Number		Revision
Date:	25.09.2019	Sheet	of
File:	C:\Users\...\USBtoRS232.SchDoc	Drawn By:	







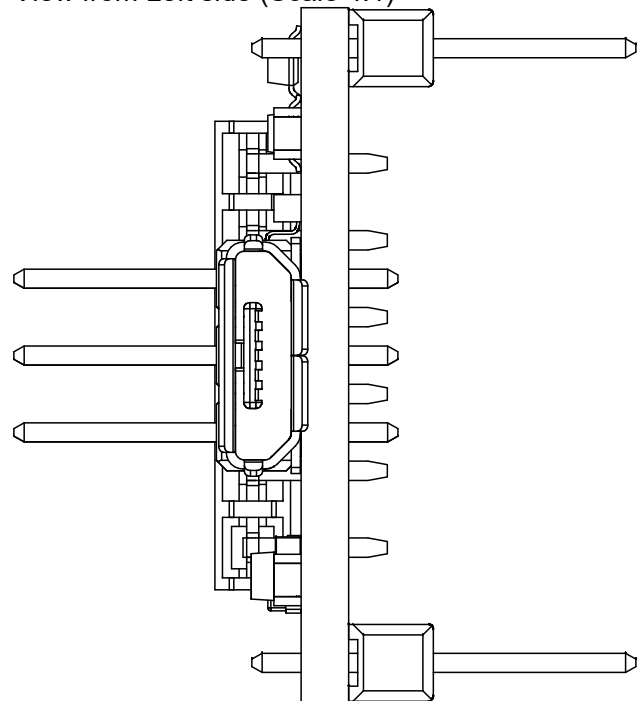




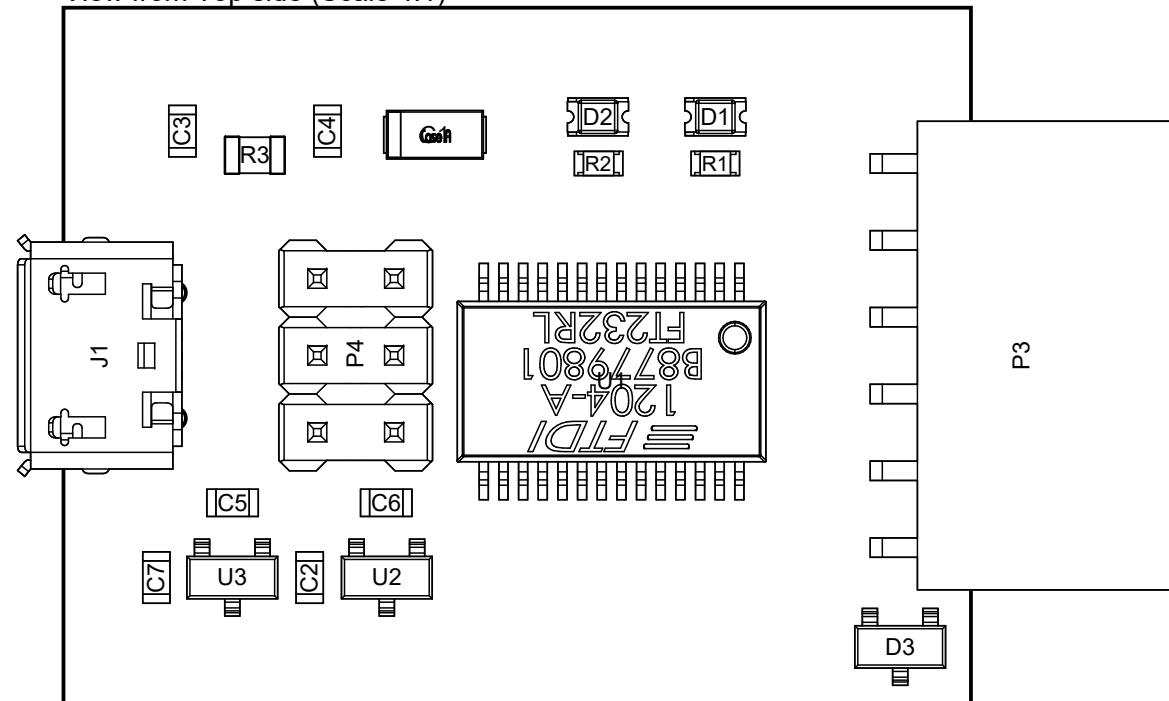
Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0,010mm	3,5	
1	Top Layer	Copper	0,036mm		
	Dielectric1	Core-009	1,500mm	4,5	
2	Bottom Layer	Copper	0,036mm		
	Bottom Solder	Solder Resist	0,010mm	3,5	
	Bottom Overlay				

Symbol	Count	Hole Size	Plated	Hole Type	Drill Layer Pair	Via/Pad	Pad Shape	Template
○	2	0,700mm (27,56mil)	PTH	Round	Top Layer - Bottom Layer	Pad	Rounded	c70h70m0mx0
▽	30	1,100mm (43,31mil)	PTH	Round	Top Layer - Bottom Layer	Pad	(Mixed)	(Mixed)
□	107	0,300mm (11,81mil)	PTH	Round	Top Layer - Bottom Layer	Via	Rounded	v60h30m0mx0
	139 Total							

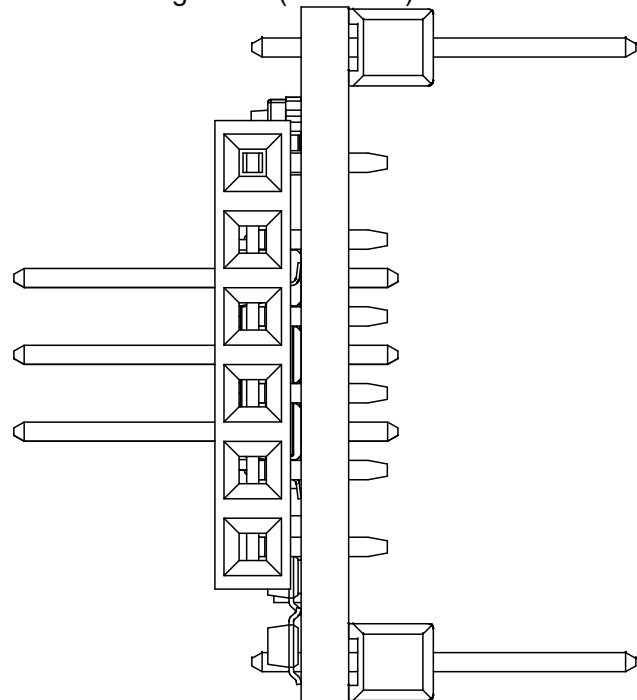
View from Left side (Scale 4:1)



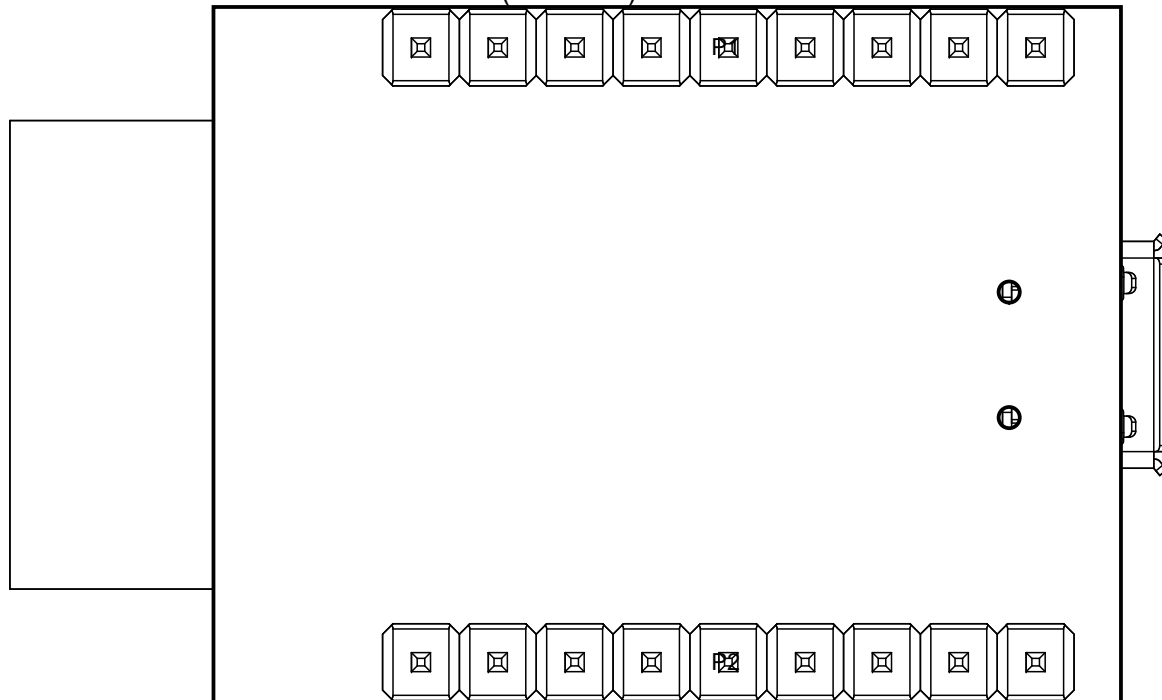
View from Top side (Scale 4:1)



View from Right side (Scale 4:1)



View from Bottom side (Scale 4:1)



Comment	Description	Designator	Case/Package	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Quantity
47uF/10V	CAP TANT 47UF 20%	C1		AVX	F931A476MAA	Digi-Key	478-8225-1-ND	1
1uF	Ceramic Capacitor (S	C2, C5, C6, C7	0603	Samsung	CL10B105MO8NNWC	Digi-Key	1276-6524-1-ND	4
100nF	Ceramic Capacitor (S	C3, C4	0603	Samsung	CL10B104KO8NNNC	Digi-Key	1276-1005-1-ND	2
LED_RED	LED RED CLEAR SMD	D1	0805	Lite-On	LTST-C171KRKT	Digi-Key	160-1427-1-ND	1
LED_GREEN	LED GREEN CLEAR CH	D2	0805	Lite-On	LTST-C171GKT	Digi-Key	160-1423-1-ND	1
PESD12VL2BT,215	TVS DIODE 12V 37V	D3		Nexperia	PESD12VL2BT,215	Digi-Key	1727-3809-1-ND	1
629105136821	CONN RCPT USB2.0 M	J1		Würth Elektronik	629105136821	Digi-Key	732-3155-1-ND	1
QPC02SXGN-RC	CONN JUMPER SHOR	MECH?	100	Sullins	QPC02SXGN-RC	Digi-Key	S9337-ND	1
Header 9	CONN HEADER VERT	P1, P2		Sullins	PREC009SFAN-RC	Digi-Key	S1212EC-09-ND	2
RS232	CONN HDR 6POS 0.1	P3		Sullins	PPPC061LGBN-RC	Digi-Key	S5481-ND	1
VCC_SELECT	CONN HEADER VERT	P4		Sullins	PREC003DFAN-RC	Digi-Key	S2212EC-03-ND	1
270R	Resistor	R1, R2	0603	Panasonic	ERJ-3EKF2700V	Digi-Key	P270HCT-ND	2
BLM21PG221SN1D	FERRITE BEAD 220 O	R3	0805	Murata	BLM21PG221SN1D	Digi-Key	490-1054-6-ND	1
FT232RL	FT232R USB UART	U1	SSOP	FTDI	FT232RL-REEL	Digi-Key	768-1007-1-ND	1
MCP1700T-1802E	Three-Terminal Adjus	U2	SOT-23	Microchip	MCP1700T-1802E/TT	Digi-Key	MCP1700T1802ETTCT-ND	1
MCP1700T-3302E	Three-Terminal Adjus	U3	SOT-23	Microchip	MCP1700T-3302E/TT	Digi-Key	MCP1700T3302ETTCT-ND	1

