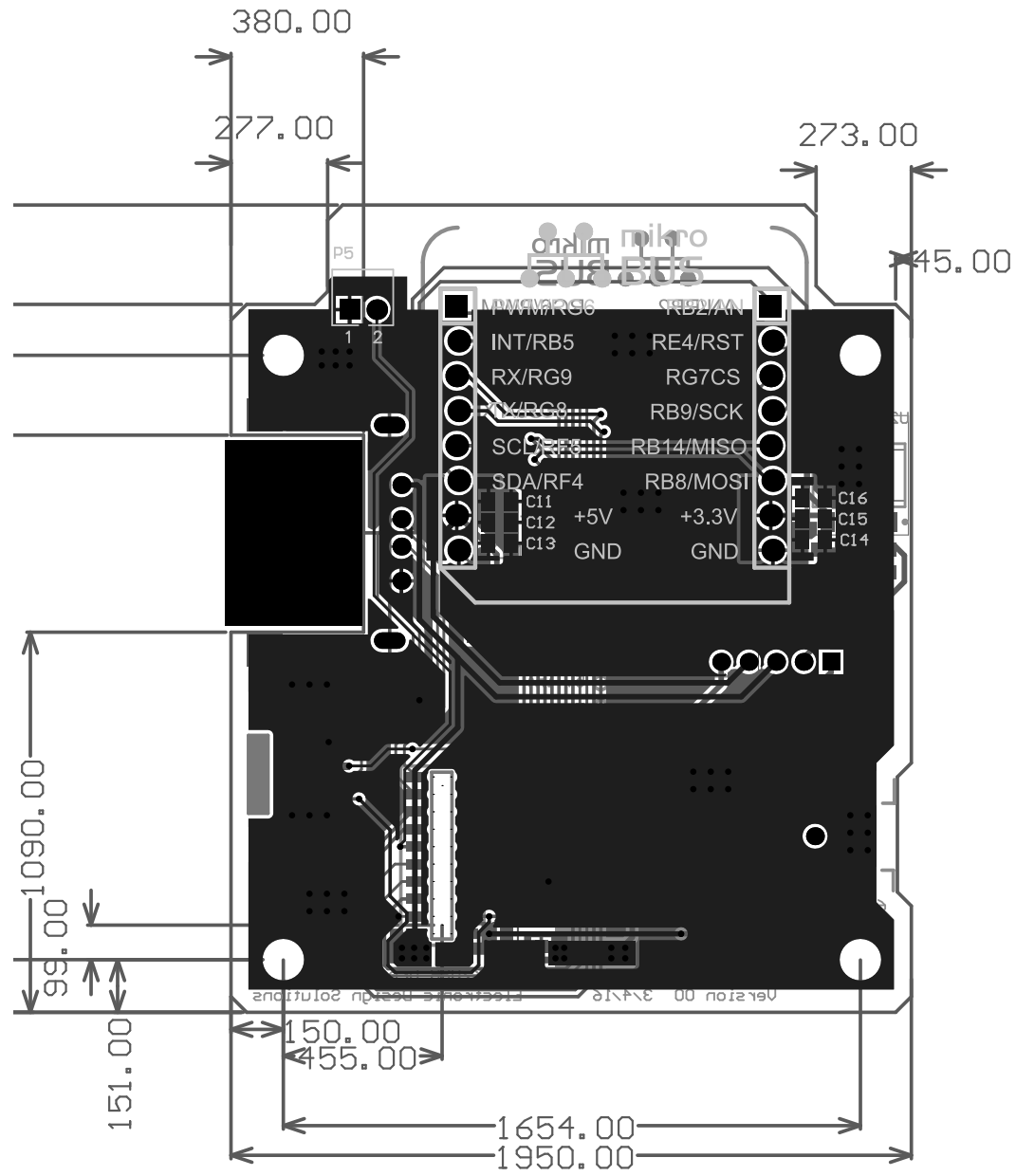
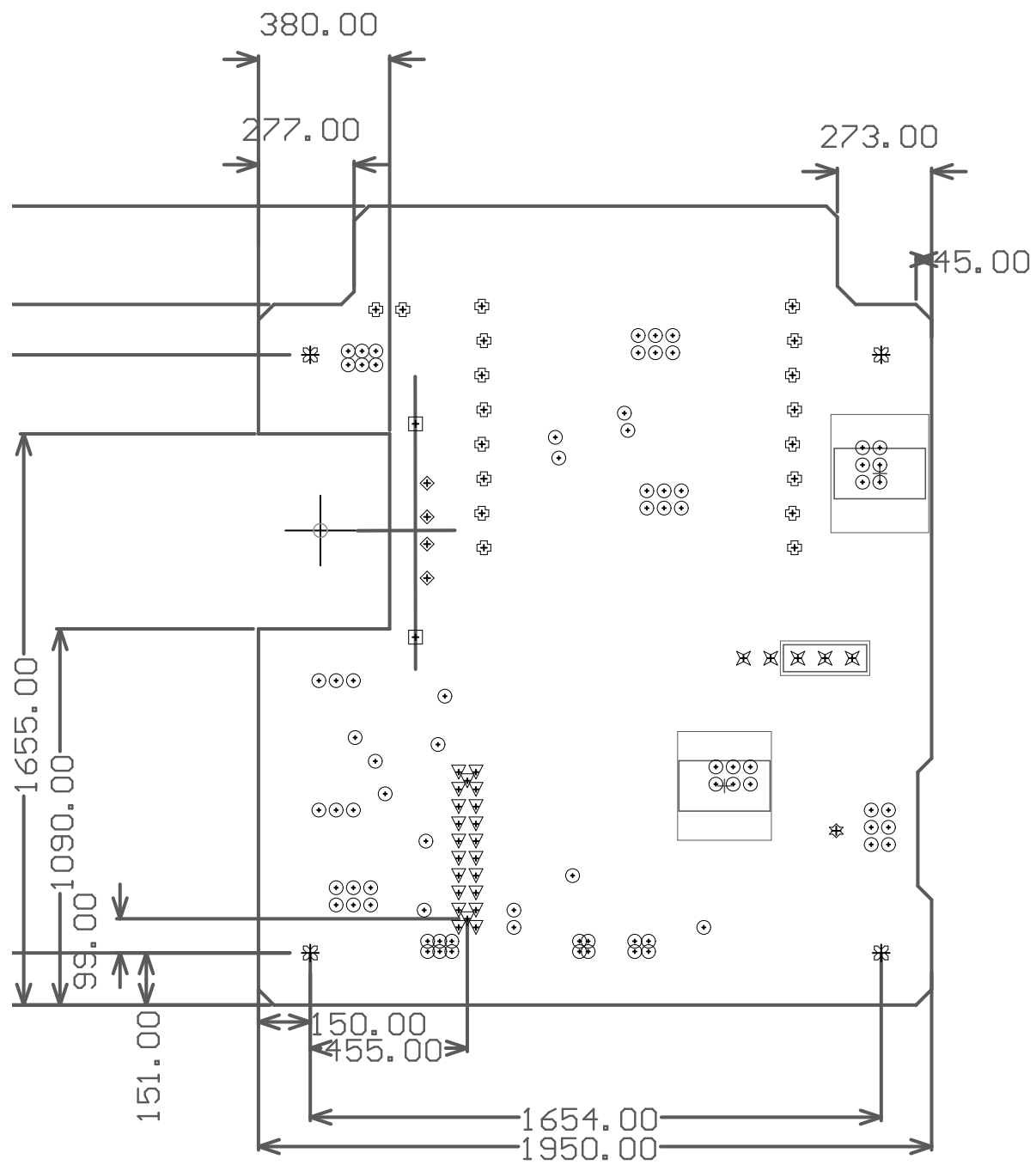






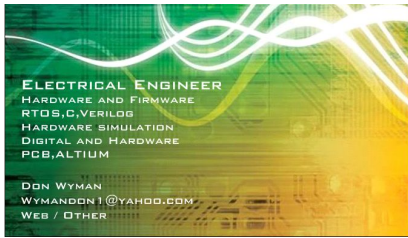
Design Rules Verification Report

Filename : C:\Users\ldon\Desktop\REPO\EDS\e_ink_dev_board\MikroBus_usb_breakout\Mikro_Bus_usb_breakout.PcbDoc

Warnings 0
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Room MikroBus_usb_breakout (Bounding Region = (11326mil, 4422mil, 14091mil, 7842mil)	0
Hole To Hole Clearance (Gap=4mil) (InComponent("P2")),(All)	0
Clearance Constraint (Gap=4mil) ((InComponent("p2"))),(All)	0
Hole Size Constraint (Min=1mil) (Max=1000mil) (All)	0
Silk To Solder Mask (Clearance=5mil) (IsPad),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint (All)	0
Clearance Constraint (Gap=10mil) (All),(All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=10mil) (Conductor Width=12mil) (Air Gap=8mil) (Entries=4) (All)	0
Width Constraint (Min=8mil) (Max=50mil) (Preferred=10mil) (All)	0
Height Constraint (Min=0mil) (Max=1000mil) (Preferred=500mil) (All)	0
Hole Size Constraint (Min=1mil) (Max=100mil) (All)	0
Hole To Hole Clearance (Gap=10mil) (All),(All)	0
Minimum Solder Mask Sliver (Gap=5mil) (All),(All)	0
Silk to Silk (Clearance=10mil) (All),(All)	0
Net Antennae (Tolerance=0mil) (All)	0
Total	0



Component list

Source Data From:

Project:

Variant:

roduction] of Schematic Document [Mik

MikroBus_usb_breakout.SchDoc

MikroBus_usb_breakout.PrjPcb

production

Report Date:

3/4/2016

Print Date:

04-Mar-16

Description	price	Quantity	Designator	digkey	Total Price (\$)
CAP .1UF 25V CERAMIC X7R 0603, Capacitor	0.00387	3	C1, C2, C17	PCC2277TR-ND	0.01
CAP CER 10UF 10V X7R 0805	0.08700	3	C3, C4, C8	490-3905-2-ND	0.26
CAP CER 4.7UF 25V Y5V 0805	0.08700	2	C5, C6	445-3461-2-ND	0.17
CAPACITOR-0805, 1uF 10V CERAMIC X5R RoHS	0.05	2	C7, C9	PCC1807TR-ND	0.10
DIODE SBR 20V 500MA SC59	0.11100	1	D1	SBR05U20SNDICT-ND	0.11
LED 660NM RED WTR CLR 0805 SMD	0.08100	1	D2	511-1286-2-ND	0.08
CONN HEADER 50POS 2MM SNGL T/H	.10000	1	h1	SAM1178-50-ND	0.10
socket, 10-Pin, Dual row ,1.27mm	3.02	1	P2	CLP-110-02-F-D-BE-A-K-TR	3.02
CONN PWR JACK 0.65X2.6MM SMT	0.43860	1	P4	CP-040PJTR-ND	0.44
CONN RCPT USB 4POS RT ANG T/H	0.82330	1	p1	WM7087CT-ND	0.82
CONN RECEPT USB 5POS RT ANG SMD	1.27803	1	p3	WM17122TR-ND	1.28
RES 1.00K OHM 1/16W 1% 0402 SMD	0.00500	1	R1	541-1.00KLTR-ND	0.01
RES 100 OHM 1/16W 1% 0402 SMD	0.00500	1	R2	541-100LTR-ND	0.01
300 mA Low Dropout Regulator with Micropower Quiescent Current and Shutdown n, 4.3 to 20 V Vin, 5 V Vout, 3-pin SOT223 (ST-3), -40 to 125 degC	2.70	1	U1	LT1521IST-5#PBF-ND	2.70
300 mA Low Dropout Regulator with Micropower Quiescent Current and Shutdown n, 4.3 to 20 V Vin, 3.3 V Vout, 3-pin SOT223 (ST-3), -40 to 125 degC	2.7	1	U2	LT1521IST-3.3#PBF-ND	2.70
				TOTAL PRICE	11.81

