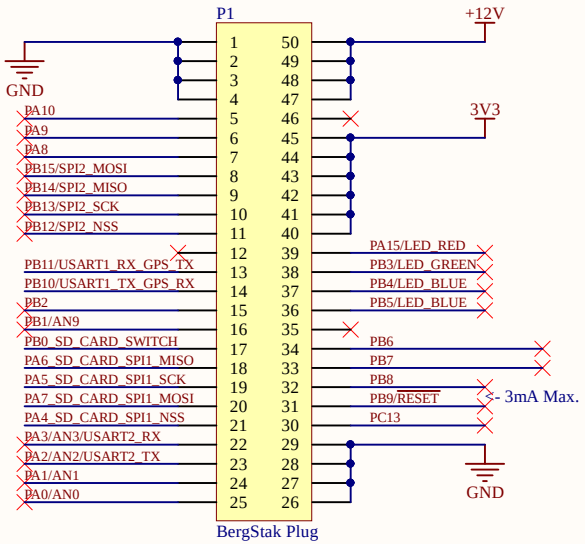
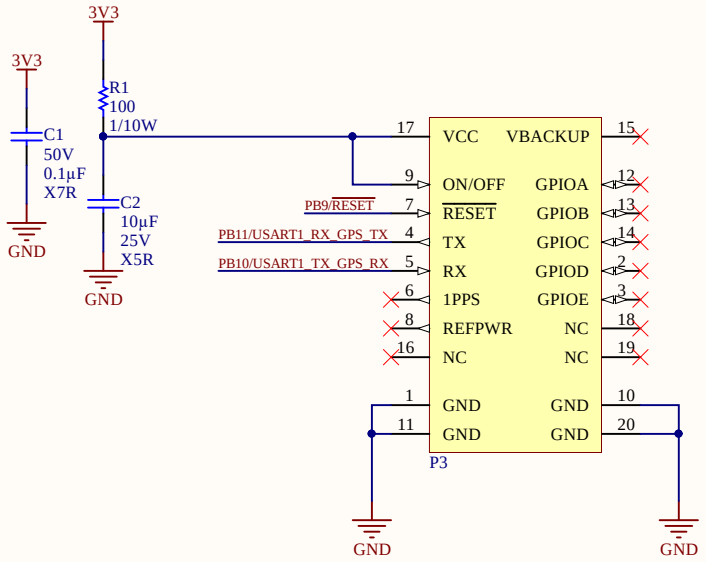
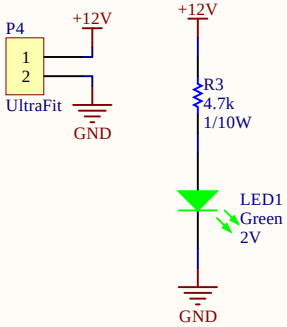
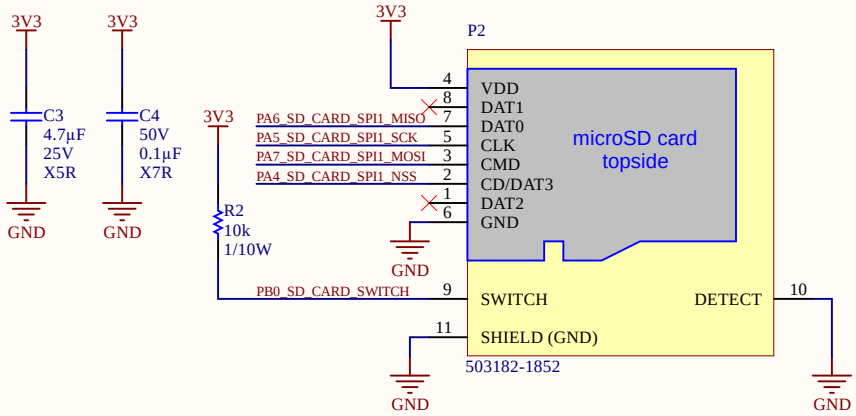






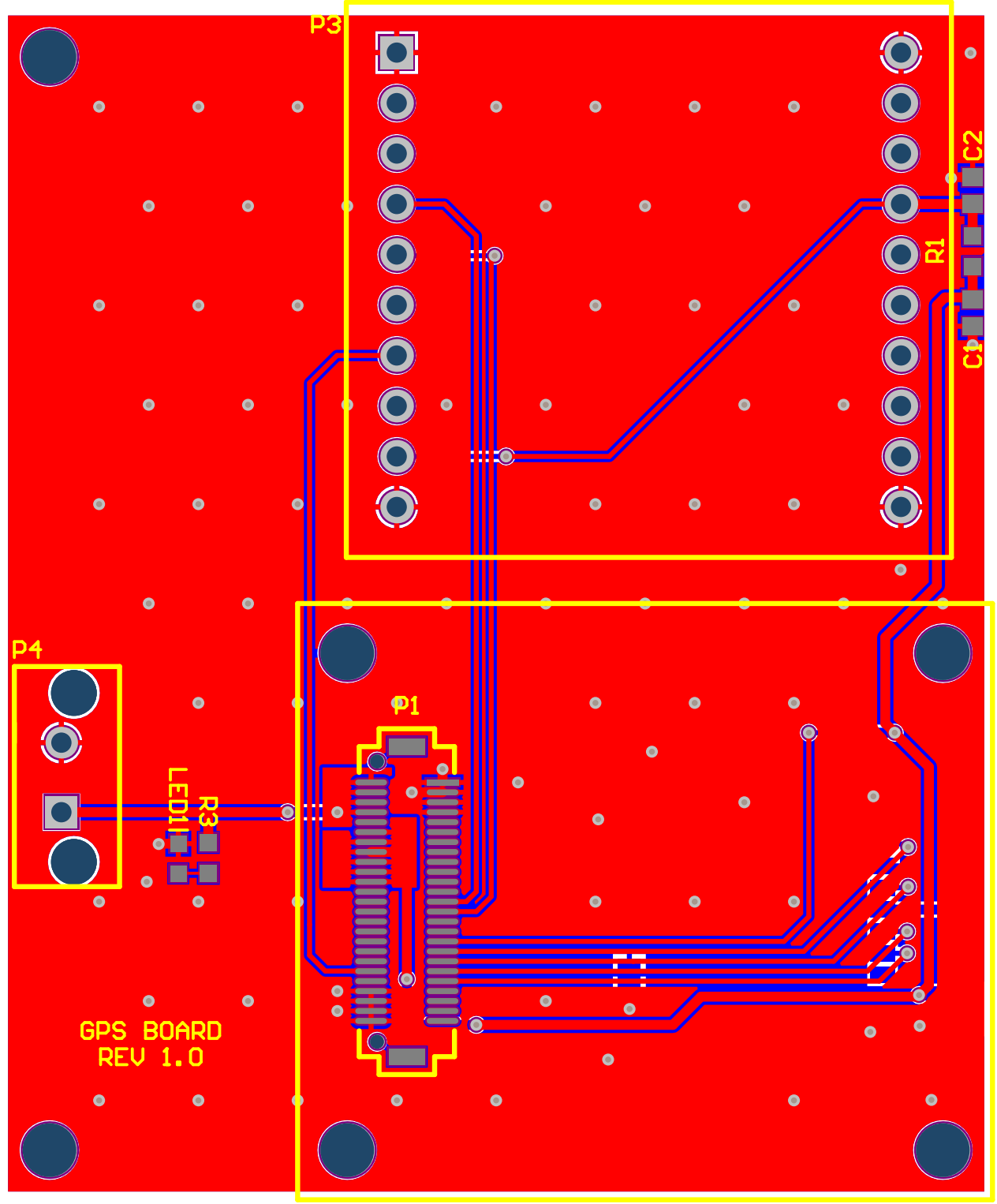


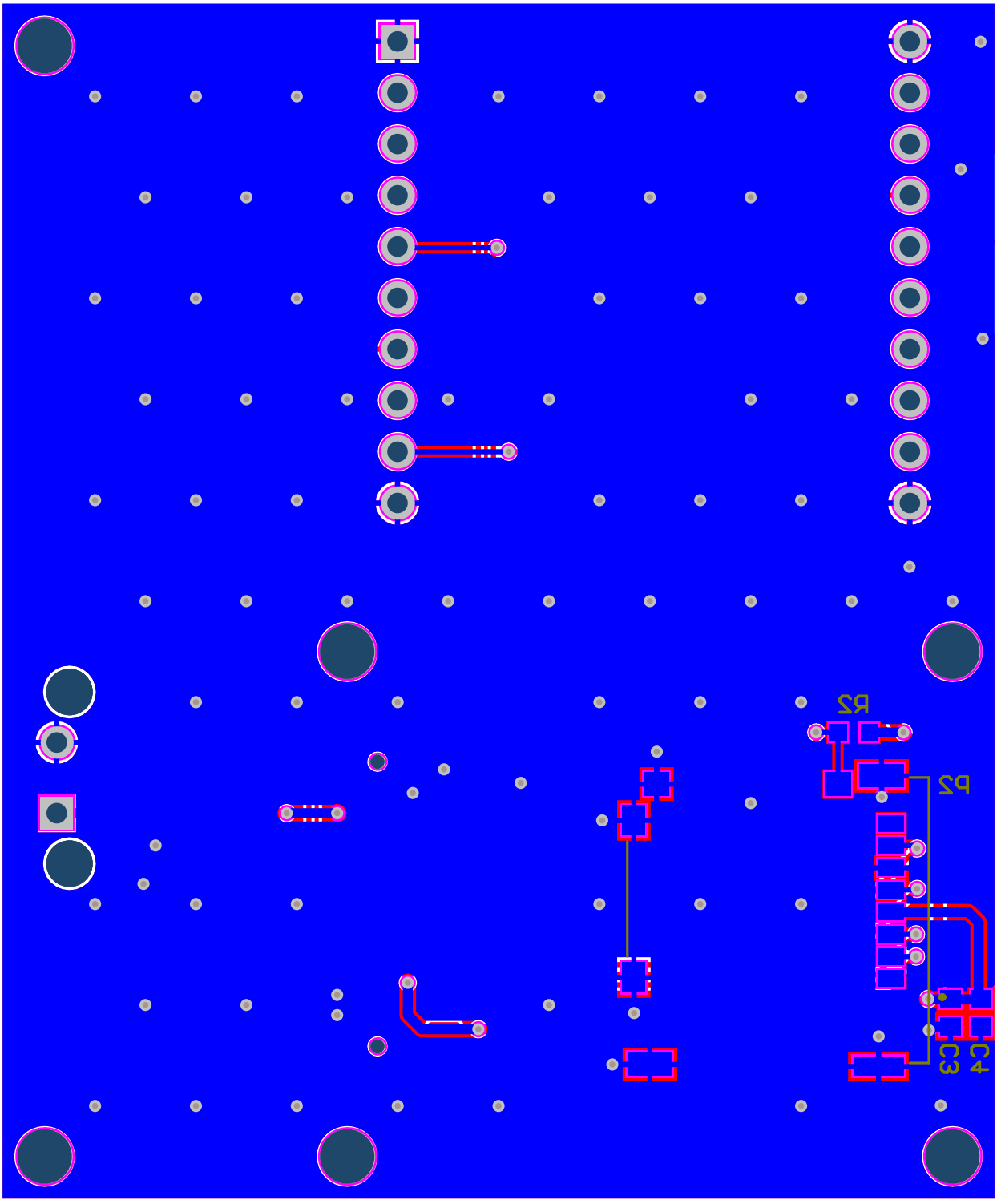
Project: ***GPS Board.PrjPcb***		MIDNIGHT SUN	
Title: *			
Project Lead: Mena Labib		University of Waterloo 200 University Ave W Waterloo, ON, Canada N2L 3E9	
Size: Letter	Revision: 1.0		
Date: 2019-01-23	Sheet * of *	Website: www.uwmidsun.com	

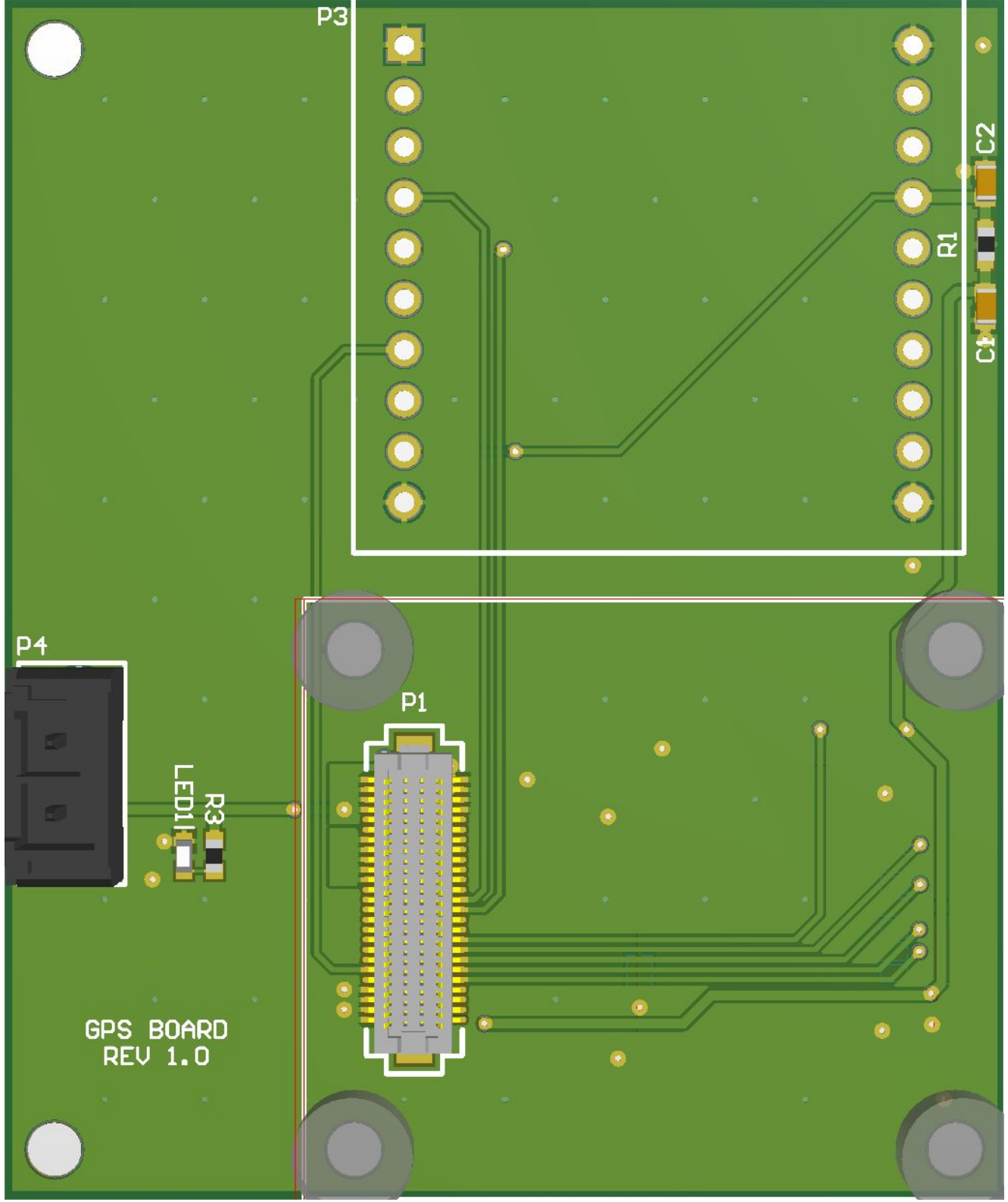
Bill of Materials

Project:	GPS Board.PrjPcb
Revision:	1
Project Lead:	Mena Labib
Generated On:	2019-01-23 23:10
Production Quantity:	1
Currency	CAD
Total Parts Count:	12

LibRef	Designator	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Order Qty 1	Supplier Subtotal 1
CAP CER 0.1UF 50V 10% X7R 0603	C1, C4	Kyocera AVX	06035C-104KAT2A	Digi-Key	478-5052-1-ND	0.22691	2	$ 0.45
CAP CER 10uF 25V 20% X5R 0603	C2	Murata	GRM188R61E106MA73D	Digi-Key	490-7202-1-ND	0.56059	1	$ 0.56
CAP CER 4.7UF 25V 10% X5R 0603	C3	Murata	GRM188R61E475KE11D	Digi-Key	490-7203-1-ND	0.49386	1	$ 0.49
LED GREEN CLEAR 2V 0603	LED1	Wurth Electronics	150060VS75000	Digi-Key	732-4980-1-ND	0.18686	1	$ 0.19
CONN 50POS Bergstak Plug 0.02"	P1	Amphenol FCI	10132797-055100LF	Digi-Key	609-5226-1-ND			
CONN MICRO-SD ULTRA-LOW 8CKT	P2	Molex	503182-1852	Digi-Key	WM12834CT-ND	3.27	1	$ 3.27
EVAL GPS EVM-GPS-F4	P3	Linx	EVM-GPS-F4	Digi-Key	EVM-GPS-F4-ND	84.3	1	$ 84.30
CONN 2POS ULTRA-FIT 0.138"	P4	Molex	1722861302	Digi-Key	WM11673-ND	1.95	1	$ 1.95
RES 100 OHM 1% 1/10W 0603	R1	Yageo	RC0603FR-07100RL	Digi-Key	311-100HRCT-ND	0.13347	1	$ 0.13
RES 10K OHM 1% 1/10W 0603	R2	Yageo Phycomp	RC0603FR-0710KL	Digi-Key	311-10.0KHRCT-ND	0.13347	1	$ 0.13
RES 4.7K OHM 1% 1/10W 0603	R3	Yageo	RC0603FR-074K7L	Digi-Key	311-4.70KHRCT-ND	0.13347	1	$ 0.13
							Total:	$ 91.62


P3
C2
R1
C1
P4
P1
LED1
R3
GPS BOARD
REV 1.0


R2
R2
C3
C4


P3
C2
R1
C1
P4
P1
LED1
R3
GPS BOARD
REV 1.0

Electrical Rules Check Report

Class	Document	Message
Warning	GPS Board.SchDoc	Net PB10/USART1_TX_GPS_RX has no driving source (Pin P1-14,Pin P3-5)

Design Rules Verification Report

Filename : C:\Users\Taiping\Documents\Midnight Sun\hardware\MSXII_GPS_Board\GPS Board.PcbDoc

Warnings 0
Rule Violations 140

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.152mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.152mm) (Max=2.54mm) (Preferred=0.254mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Minimum Annular Ring (Minimum=0.152mm) (All)	95
Hole Size Constraint (Min=0.3mm) (Max=6.3mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.3mm) (All),(All)	31
Silk To Solder Mask (Clearance=0.178mm) (IsPad),(All)	1
Silk to Silk (Clearance=0.254mm) (All),(All)	5
Net Antennae (Tolerance=0mm) (All)	0
Board Clearance Constraint (Gap=0mm) (All)	8
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	140

Minimum Annular Ring (Minimum=0.152mm) (All)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-0.5mm,19.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (0mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (10.5mm,37.4mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-10mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-10mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-10mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (10mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-10mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (10mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-10mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (11.1mm,21mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (12.5mm,10mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (12.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (12.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (12.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15.14mm,19.14mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15.639mm,7.055mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (15mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (16.72mm,9.6mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (17.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (17.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (17.845mm,22.545mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-2.5mm,10mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-2.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-2.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-2.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (20mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (20mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (20mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (20mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (20mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (22.5mm,20mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (22.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (22.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (22.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25.75mm,23.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)

Minimum Annular Ring (Minimum=0.152mm) (All)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (25mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (27.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (27.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (28.845mm,8.445mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (29mm,20.3mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2mm,10.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2mm,19.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (2mm,9.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.074mm,23.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.372mm,31.7mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.75mm,15.75mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.75mm,17.75mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.7mm,12.4mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (30.7mm,13.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (31.334mm,8.75mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (31.3mm,10.3mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (31.925mm,5.025mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (32.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (32.912mm,51.4mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (33.895mm,57.7mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (34mm,43mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (5.5mm,11.1mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (5.75mm,20.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,15mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (5mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,25mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,35mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,45mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,55mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (5mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-5mm,5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (7.3mm,21.67mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7.5mm,10mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (7.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7.5mm,30mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (7.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7.5mm,40mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7.5mm,50mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7.6mm,16mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (-7mm,17.9mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (9.923mm,47.5mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)
Minimum Annular Ring: (0.15mm < 0.152mm) Via (9mm,8.8mm) from Top Layer to Bottom Layer (Annular Ring=0.15mm) On (Top Layer)

Minimum Solder Mask Sliver (Gap=0.3mm) (All),(All)
Minimum Solder Mask Sliver Constraint: (0.298mm < 0.3mm) Between Pad C1-1(34mm,43.95mm) on Top Layer And Pad C1-2(34mm,45.3mm) on Top
Minimum Solder Mask Sliver Constraint: (0.022mm < 0.3mm) Between Pad C1-1(34mm,43.95mm) on Top Layer And Via (34mm,43mm) from Top Layer to
Minimum Solder Mask Sliver Constraint: (0.298mm < 0.3mm) Between Pad C2-1(34mm,50.1mm) on Top Layer And Pad C2-2(34mm,51.45mm) on Top
Minimum Solder Mask Sliver Constraint: (0.11mm < 0.3mm) Between Pad C2-2(34mm,51.45mm) on Top Layer And Via (32.912mm,51.4mm) from Top
Minimum Solder Mask Sliver Constraint: (0.298mm < 0.3mm) Between Pad C3-1(32.4mm,10.275mm) on Bottom Layer And Pad C3-2(32.4mm,8.925mm)
Minimum Solder Mask Sliver Constraint: (0.122mm < 0.3mm) Between Pad C3-1(32.4mm,10.275mm) on Bottom Layer And Via (31.3mm,10.3mm) from
Minimum Solder Mask Sliver Constraint: (0.088mm < 0.3mm) Between Pad C3-2(32.4mm,8.925mm) on Bottom Layer And Via (31.334mm,8.75mm) from
Minimum Solder Mask Sliver Constraint: (0.298mm < 0.3mm) Between Pad C4-1(33.9mm,8.925mm) on Bottom Layer And Pad C4-2(33.9mm,10.275mm)
Minimum Solder Mask Sliver Constraint: (0.087mm < 0.3mm) Between Pad LED1-2(-6.01mm,17.918mm) on Top Layer And Via (-7mm,17.9mm) from Top
Minimum Solder Mask Sliver Constraint: (0.105mm < 0.3mm) Between Pad P1-(4mm,22.05mm) on Multi-Layer And Pad P1-(5.5mm,22.8mm) on Top Layer
Minimum Solder Mask Sliver Constraint: (0.105mm < 0.3mm) Between Pad P1-(4mm,7.95mm) on Multi-Layer And Pad P1-(5.5mm,7.2mm) on Top Layer
Minimum Solder Mask Sliver Constraint: (0.293mm < 0.3mm) Between Pad P1-1(7.3mm,21mm) on Top Layer And Via (5.75mm,20.5mm) from Top Layer to
Minimum Solder Mask Sliver Constraint: (0.017mm < 0.3mm) Between Pad P1-1(7.3mm,21mm) on Top Layer And Via (7.3mm,21.67mm) from Top Layer to
Minimum Solder Mask Sliver Constraint: (0.247mm < 0.3mm) Between Pad P1-2(7.3mm,20.5mm) on Top Layer And Via (5.75mm,20.5mm) from Top Layer
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-1(29.464mm,11.3mm) on Bottom Layer And Pad P2-2(29.464mm,12.4mm)
Minimum Solder Mask Sliver Constraint: (0.267mm < 0.3mm) Between Pad P2-10(17.834mm,20.94mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.262mm < 0.3mm) Between Pad P2-11(17.504mm,7.055mm) on Bottom Layer And Via (15.639mm,7.055mm)
Minimum Solder Mask Sliver Constraint: (0.222mm < 0.3mm) Between Pad P2-11(28.984mm,21.345mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-2(29.464mm,12.4mm) on Bottom Layer And Pad P2-3(29.464mm,13.5mm)
Minimum Solder Mask Sliver Constraint: (0.112mm < 0.3mm) Between Pad P2-2(29.464mm,12.4mm) on Bottom Layer And Via (30.7mm,12.4mm) from Top
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-3(29.464mm,13.5mm) on Bottom Layer And Pad P2-4(29.464mm,14.6mm)
Minimum Solder Mask Sliver Constraint: (0.112mm < 0.3mm) Between Pad P2-3(29.464mm,13.5mm) on Bottom Layer And Via (30.7mm,13.5mm) from Top
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-4(29.464mm,14.6mm) on Bottom Layer And Pad P2-5(29.464mm,15.7mm)
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-5(29.464mm,15.7mm) on Bottom Layer And Pad P2-6(29.464mm,16.8mm)
Minimum Solder Mask Sliver Constraint: (0.162mm < 0.3mm) Between Pad P2-5(29.464mm,15.7mm) on Bottom Layer And Via (30.75mm,15.75mm) from
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-6(29.464mm,16.8mm) on Bottom Layer And Pad P2-7(29.464mm,17.9mm)
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.3mm) Between Pad P2-7(29.464mm,17.9mm) on Bottom Layer And Pad P2-8(29.464mm,19mm) on
Minimum Solder Mask Sliver Constraint: (0.162mm < 0.3mm) Between Pad P2-7(29.464mm,17.9mm) on Bottom Layer And Via (30.75mm,17.75mm) from
Minimum Solder Mask Sliver Constraint: (0.147mm < 0.3mm) Between Pad R2-1(26.825mm,23.5mm) on Bottom Layer And Via (25.75mm,23.5mm) from
Minimum Solder Mask Sliver Constraint: (0.197mm < 0.3mm) Between Via (2mm,10.5mm) from Top Layer to Bottom Layer And Via (2mm,9.5mm) from Top
Minimum Solder Mask Sliver Constraint: (0.297mm < 0.3mm) Between Via (30.7mm,12.4mm) from Top Layer to Bottom Layer And Via (30.7mm,13.5mm)

Silk To Solder Mask (Clearance=0.178mm) (IsPad),(All)
Silk To Solder Mask Clearance Constraint: (Collision < 0.178mm) Between Arc (31.999mm,10.39mm) on Bottom Overlay And Pad

Silk to Silk (Clearance=0.254mm) (All),(All)
Silk To Silk Clearance Constraint: (0.235mm < 0.254mm) Between Text "LED1" (-6.41mm,21.652mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.167mm < 0.254mm) Between Text "P3" (0.75mm,58.75mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.249mm < 0.254mm) Between Text "P4" (-14.27mm,27.281mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.249mm < 0.254mm) Between Text "P4" (-14.27mm,27.281mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.24mm < 0.254mm) Between Text "R1" (32.49mm,47.217mm) on Top Overlay And Track

Board Clearance Constraint (Gap=0mm) (All)
Board Outline Clearance(Outline Edge): (0.3mm < 0.406mm) Between Board Edge And Text "P3" (0.75mm,58.75mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (0mm,0mm)(0mm,30mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (0mm,0mm)(35mm,0mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (0mm,30mm)(35mm,30mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (2.452mm,32.32mm)(2.452mm,60.26mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (2.452mm,60.26mm)(32.932mm,60.26mm) on Top Overlay
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (32.932mm,32.32mm)(32.932mm,60.26mm) on Top
Board Outline Clearance(Outline Edge): (Collision < 0.406mm) Between Board Edge And Track (35mm,0mm)(35mm,30mm) on Top Overlay