

1 2 3 4

**QL-EOS-S3 breakout**Variant: [No Variations]

10/6/2020 RevB

# Release Candidate

Page	Index	Page	Index	Page	Index
1	COVER PAGE	11		21	
2	BLOCK DIAGRAM	12		22	
3	MICROCONTROLLER	13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

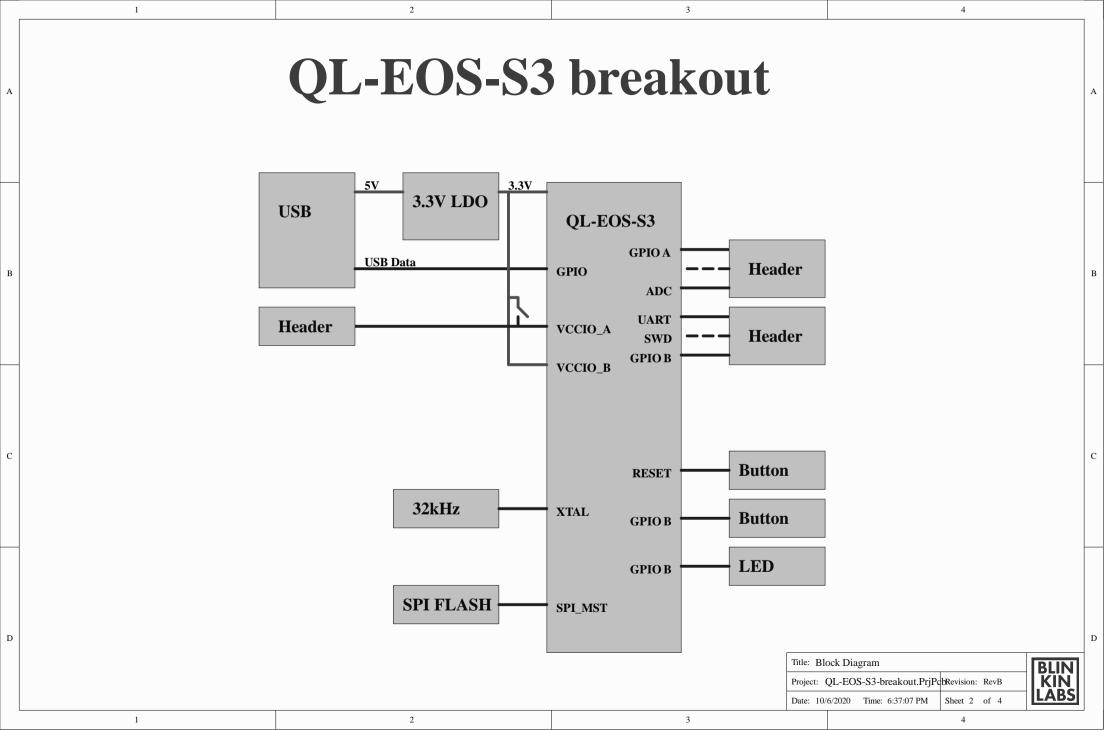
# DESIGN CONSIDERATIONS

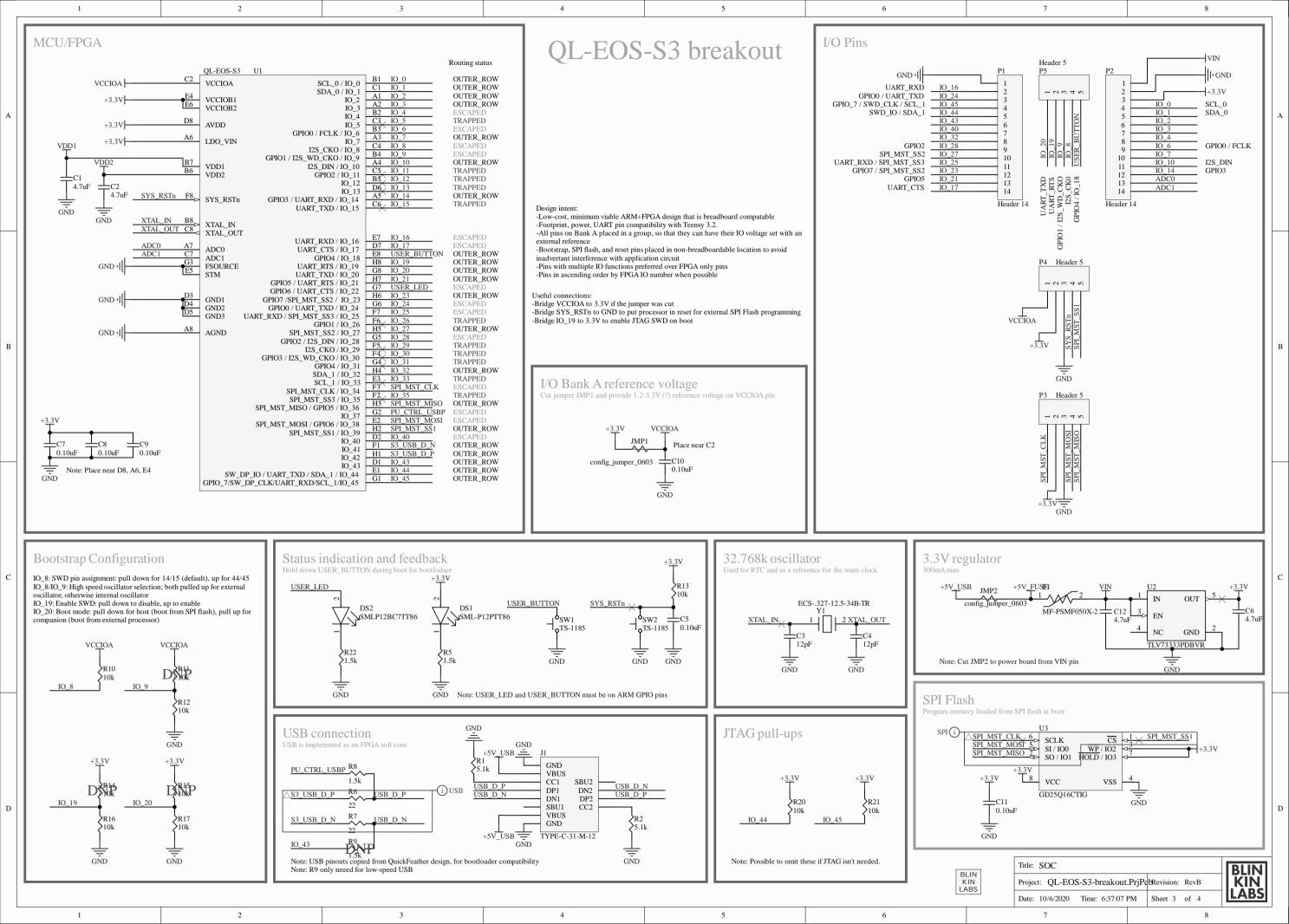
DESIGN NOTE: Example text for informational design notes.

DESIGN NOTE: Example text for critical design notes. DESIGN NOTE: Example text for cautionary design notes. LAYOUT NOTE: Example text for critical layout guidelines.

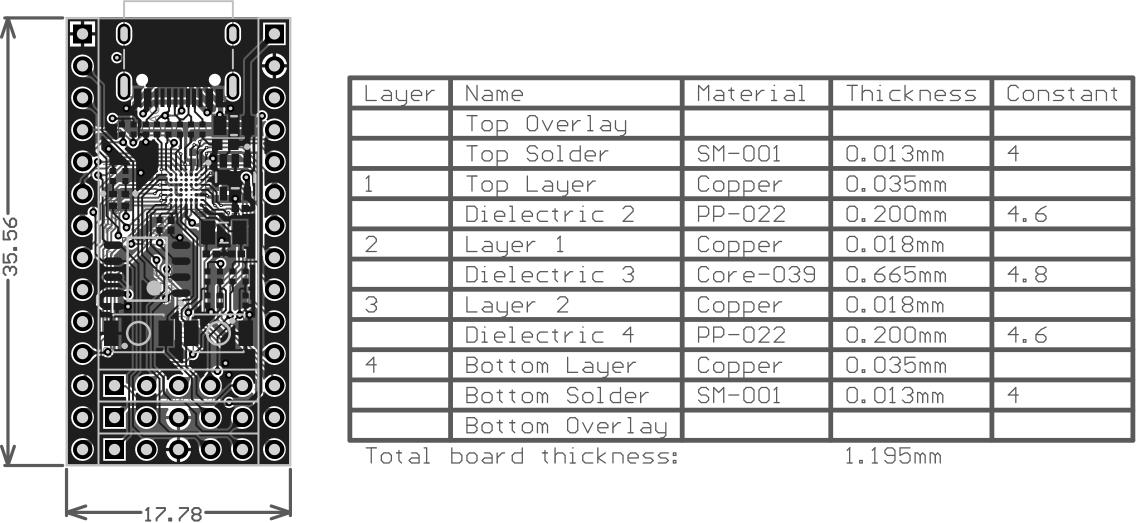
Title: *		П
Project: QL-EOS-S3-breakout.PrjPcbF	Revision: RevB	Ľ
Date: 10/6/2020 Time: 6:37:07 PM S	Sheet 1 of 4	L

Date: 10/6/2020 Time: 6:37:07 PM Sheet 1 of 4









**Design Rules Verification Report**Filename: C:\Users\blinkinlabs\Blinkinlabs-Repos\QL-EOS-S3-breakout\pcb\QL-EOS-S3-b

Warnings 0 Rule Violations 330

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.152mm) (All),(All)	0
Clearance Constraint (Gap=0.127mm) (istrack or ((ObjectKind = 'Via') And (AsMils(ViaDiameter)	0
Clearance Constraint (Gap=0.152mm) (InComponent('JMP1') or	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Short-Circuit Constraint (Allowed=Yes) (InComponent('JMP1') or	0
Un-Routed Net Constraint ( (All) )	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.152mm) (Max=0.406mm) (Preferred=0.254mm) (All)	0
Power Plane Connect Rule(Relief Connect )(Expansion=0.508mm) (Conductor	0
Moder Secretary (Min=0.025mm) (Max=2.54mm) (All)	0
Hole To Hole Clearance (Gap=0.25mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	281
Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)	44
Silk to Silk (Clearance=0.254mm) (All),(All)	4
Net Antennae (Tolerance=0mm) (All)	1
Board Clearance Constraint (Gap=0mm) (IsPolygon)	0
Room [03] SOC (Bounding Region = (144.78mm, 45.72mm, 172.72mm, 86.36mm)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	330

# Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C10-1(10mm,24.89mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C1-1(10.81mm,20mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.178mm < 0.254mm) Between Pad C1-1(10.81mm,20mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.177mm < 0.254mm) Between Pad C1-1(10.81mm,20mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C11-1(4.015mm,12.625mm) on Top Layer Mindmum Solder Mask Sliver Constraint: (0.177mm < 0.254mm) Between Pad C1-2(11.59mm,20mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.178mm < 0.254mm) Between Pad C1-2(11.59mm,20mm) on Bottom Layer And Minimum Solder Mask Sliver Constraint: (0.229mm < 0.254mm) Between Pad C12-1(13.25mm,25.5mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.223mm < 0.254mm) Between Pad C12-1(13.25mm,25.5mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.228mm < 0.254mm) Between Pad C12-1(13.25mm,25.5mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.223mm < 0.254mm) Between Pad C12-2(11.95mm,25.5mm) on Top Layer Anc Minimum Solder Mask Sliver Constraint: (0.223mm < 0.254mm) Between Pad C12-2(11.95mm,25.5mm) on Top Layer Anc Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C2-1(11.81mm,22.1mm) on Bottom Layer Mindimum Solder Mask Sliver Constraint: (0.178mm < 0.254mm) Between Pad C2-1(11.81mm,22.1mm) on Bottom Layer Mindimum Solder Mask Sliver Constraint: (0.177mm < 0.254mm) Between Pad C2-1(11.81mm,22.1mm) on Bottom Layer Mindimum Solder Mask Sliver Constraint: (0.177mm < 0.254mm) Between Pad C2-2(12.59mm,22.1mm) on Bottom Layer Mmmmum Solder Mask Sliver Constraint: (0.178mm < 0.254mm) Between Pad C2-2(12.59mm,22.1mm) on Bottom Layer Mindimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C3-1(13.11mm,16.8mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C4-1(11.89mm,16.8mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C5-1(8.3mm,18.71mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad C5-1(8.3mm,18.71mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.227mm < 0.254mm) Between Pad C5-1(8.3mm,18.71mm) on Top Laver And Maymum Solder Mask Sliver Constraint: (0.227mm < 0.254mm) Between Pad C5-2(8.3mm,19.49mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad C5-2(8.3mm,19.49mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C6-1(14.19mm,20.4mm) on Top Layer And Maylmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C7-1(12.59mm,21.2mm) on Bottom Layer Mindimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C8-1(11.59mm,19.1mm) on Bottom Layer Mindmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C9-1(6.61mm,22.9mm) on Bottom Laver And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A1/B12(12.115mm,29.19mm) on Top Laye Minimum Solder Mask Sliver Constraint: (0.176mm < 0.254mm) Between Pad J1-A1/B12(12.115mm,29.19mm) on Top MayPhum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A12/B1(5.665mm,29.198mm) on Top Layer Minimum Solder Mask Sliver Constraint: (0.176mm < 0.254mm) Between Pad J1-A12/B1(5.665mm,29.198mm) on Top MayPhum Solder Mask Sliver Constraint: (0.203mm < 0.254mm) Between Pad J1-A4/B9(11.34mm,29.198mm) on Top Laye Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A5(10.14mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A5(10.14mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A6(9.14mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A6(9.14mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A7(8.64mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A8(7.64mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.14mm < 0.254mm) Between Pad J1-A8(7.64mm,29.198mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.203mm < 0.254mm) Between Pad J1-A9/B4(6.44mm,29.198mm) on Top Layer Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R10-1(13.2mm,15.4mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R1-1(10.8mm,27.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R1-1(10.8mm,27.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R11-1(14.2mm,15.4mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R1-2(10.8mm,26.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R12-1(14.2mm,13.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R13-1(7.4mm,18.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R14-1(12.2mm,15.4mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R15-1(11.2mm,15.4mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R16-1(12.2mm,13.5mm) on Top Layer And mum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R17-1(11.2mm,13.5mm) on Top Layer And

# Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R20-1(4.4mm,27.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R20-1(4.4mm,27.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R20-2(4.4mm, 26.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R2-1(6.3mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R2-1(6.3mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R21-1(5.3mm,27.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R2-2(6.3mm,27.1mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R22-1(3.7mm,22.6mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R5-1(4.7mm,23.4mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R6-1(8.1mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R6-1(8.1mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R6-1(8.1mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R6-2(8.1mm,27.1mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R6-2(8.1mm,27.1mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R7-1(9mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R7-1(9mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad R7-2(9mm,27.1mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R8-1(7.2mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R9-1(9.9mm,26.3mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A1(10.7mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A1(10.7mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A1(10.7mm.23.5mm) on Top Laver And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A2(10.7mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A2(10.7mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A2(10.7mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A2(10.7mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A3(10.7mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A3(10.7mm.22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A3(10.7mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A3(10.7mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A4(10.7mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A4(10.7mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A4(10.7mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A4(10.7mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A5(10.7mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A5(10.7mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A5(10.7mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A5(10.7mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A6(10.7mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A6(10.7mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A6(10.7mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A6(10.7mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A7(10.7mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A7(10.7mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A7(10.7mm,21.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A7(10.7mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-A8(10.7mm,20.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-A8(10.7mm,20.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B1(10.3mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B1(10.3mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B1(10.3mm,23.5mm) on Top Layer And manum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B2(10.3mm,23.1mm) on Top Layer And

Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B2(10.3mm,23.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B2(10.3mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B2(10.3mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B3(10.3mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B3(10.3mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B3(10.3mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B3(10.3mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B4(10.3mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B4(10.3mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B4(10.3mm,22.3mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B4(10.3mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B5(10.3mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B5(10.3mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B5(10.3mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint; (0.212mm < 0.254mm) Between Pad U1-B5(10.3mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B6(10.3mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint; (0.212mm < 0.254mm) Between Pad U1-B6(10.3mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B6(10.3mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B6(10.3mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B7(10.3mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B7(10.3mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint; (0.047mm < 0.254mm) Between Pad U1-B7(10.3mm,21.1mm) on Top Laver And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B7(10.3mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-B8(10.3mm,20.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-B8(10.3mm,20.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C1(9.9mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C1(9.9mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C1(9.9mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C2(9.9mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C2(9.9mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C2(9.9mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C2(9.9mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C3(9.9mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C3(9.9mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C3(9.9mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C3(9.9mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C4(9.9mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C4(9.9mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C4(9.9mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C4(9.9mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C5(9.9mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C5(9.9mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C5(9.9mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C5(9.9mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C6(9.9mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C6(9.9mm,21.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C6(9.9mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C6(9.9mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C7(9.9mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C7(9.9mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C7(9.9mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C7(9.9mm,21.1mm) on Top Layer And

Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-C8(9.9mm,20.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-C8(9.9mm,20.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D1(9.5mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D1(9.5mm,23.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D1(9.5mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D2(9.5mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D2(9.5mm,23.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D2(9.5mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D2(9.5mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D3(9.5mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D3(9.5mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D3(9.5mm,22.7mm) on Top Layer And May mum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D3(9.5mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D4(9.5mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D4(9.5mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D4(9.5mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D4(9.5mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D5(9.5mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D5(9.5mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D5(9.5mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D5(9.5mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D6(9.5mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D6(9.5mm,21.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D6(9.5mm,21.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D6(9.5mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D7(9.5mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D7(9.5mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D7(9.5mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D7(9.5mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-D8(9.5mm,20.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-D8(9.5mm,20.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E1(9.1mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E1(9.1mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E1(9.1mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E2(9.1mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E2(9.1mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E2(9.1mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E2(9.1mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E3(9.1mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E3(9.1mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E3(9.1mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E3(9.1mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E4(9.1mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E4(9.1mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E4(9.1mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E4(9.1mm,22.3mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E5(9.1mm,21.9mm) on Top Layer And May mum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E5(9.1mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E5(9.1mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E5(9.1mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E6(9.1mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E6(9.1mm,21.5mm) on Top Layer And

Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E6(9.1mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E6(9.1mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E7(9.1mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E7(9.1mm,21.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E7(9.1mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E7(9.1mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-E8(9.1mm,20.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-E8(9.1mm,20.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F1(8.7mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F1(8.7mm,23.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F1(8.7mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F2(8.7mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F2(8.7mm,23.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F2(8.7mm,23.1mm) on Top Layer And may mum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F2(8.7mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F3(8.7mm,22.7mm) on Top Layer And may mum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F3(8.7mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F3(8.7mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F3(8.7mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F4(8.7mm,22.3mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F4(8.7mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F4(8,7mm,22,3mm) on Top Laver And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F4(8.7mm,22.3mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F5(8.7mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F5(8.7mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F5(8.7mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F5(8.7mm,21.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F6(8,7mm,21,5mm) on Top Laver And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F6(8.7mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F6(8.7mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F6(8.7mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F7(8.7mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F7(8.7mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F7(8.7mm,21.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F7(8.7mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-F8(8.7mm,20.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-F8(8.7mm,20.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G1(8.3mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G1(8.3mm,23.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G1(8.3mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G2(8.3mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G2(8.3mm,23.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G2(8.3mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G2(8.3mm,23.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G3(8.3mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G3(8.3mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G3(8.3mm,22.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G3(8.3mm,22.7mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G4(8.3mm,22.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G4(8.3mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G4(8.3mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G4(8.3mm,22.3mm) on Top Layer And

## Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G5(8.3mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G5(8.3mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G5(8.3mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G5(8.3mm,21.9mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G6(8.3mm,21.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G6(8.3mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G6(8.3mm,21.5mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G6(8.3mm,21.5mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G7(8.3mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G7(8.3mm,21.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G7(8.3mm,21.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G7(8.3mm,21.1mm) on Top Layer And May mum Solder Mask Sliver Constraint: (0.212mm < 0.254mm) Between Pad U1-G8(8.3mm,20.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-G8(8.3mm,20.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H1(7.9mm,23.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H2(7.9mm,23.1mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H3(7.9mm,22.7mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H4(7.9mm,22.3mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H5(7.9mm,21.9mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H6(7.9mm,21.5mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U1-H7(7.9mm,21.1mm) on Top Layer And Pad

# Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All) Silk To Solder Mask Clearance Constraint: (0.25mm < 0.254mm) Between Arc (13.165mm,11.5mm) on Top Overlay And Pa Silk To Solder Mask Clearance Constraint: (0.25mm < 0.254mm) Between Arc (2.9mm,21.6mm) on Top Overlay And Pac Silk To Solder Mask Clearance Constraint: (0.25mm < 0.254mm) Between Arc (4.615mm,9.5mm) on Top Overlay And Pac Silk To Solder Mask Clearance Constraint: (0.211mm < 0.254mm) Between Arc (5.461mm,21.603mm) on Top Overlay Anc Silk To Solder Mask Clearance Constraint: (0.225mm < 0.254mm) Between Pad C12-1(13.25mm,25.5mm) on Top Layer Still To Solder Mask Clearance Constraint: (0.242mm < 0.254mm) Between Pad C5-1(8.3mm,18.71mm) on Top Layer Anc Silk To Solder Mask Clearance Constraint: (0.242mm < 0.254mm) Between Pad C5-1(8.3mm,18.71mm) on Top Layer Anc Silk To Solder Mask Clearance Constraint: (0.233mm < 0.254mm) Between Pad P1-12(1.27mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.233mm < 0.254mm) Between Pad P1-13(1.27mm, 3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.233mm < 0.254mm) Between Pad P1-14(1.27mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.218mm < 0.254mm) Between Pad P2-12(16.51mm,6.35mm) on Multi-Layer Still To Solder Mask Clearance Constraint: (0.214mm < 0.254mm) Between Pad P2-13(16.51mm,3.81mm) on Multi-Layer জীমি To Solder Mask Clearance Constraint: (0.211mm < 0.254mm) Between Pad P2-14(16.51mm,1.27mm) on Multi-Layer Still To Solder Mask Clearance Constraint: (0.199mm < 0.254mm) Between Pad P3-1(3.81mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad P3-1(3.81mm,1.27mm) on Multi-Layer And \$firtTo Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P3-2(6.35mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P3-3(8.89mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.248mm < 0.254mm) Between Pad P3-4(11.43mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.235mm < 0.254mm) Between Pad P3-5(13.97mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.248mm < 0.254mm) Between Pad P3-5(13.97mm,1.27mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.199mm < 0.254mm) Between Pad P4-1(3.81mm, 3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad P4-1(3.81mm, 3.81mm) on Multi-Layer And \$firt To Solder Mask Clearance Constraint: (0.201mm < 0.254mm) Between Pad P4-1(3.81mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.219mm < 0.254mm) Between Pad P4-2(6.35mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P4-2(6.35mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.246mm < 0.254mm) Between Pad P4-3(8.89mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P4-3(8.89mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.248mm < 0.254mm) Between Pad P4-4(11.43mm,3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.249mm < 0.254mm) Between Pad P4-4(11.43mm, 3.81mm) on Multi-Layer An Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P4-5(13.97mm, 3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.238mm < 0.254mm) Between Pad P4-5(13.97mm, 3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.234mm < 0.254mm) Between Pad P4-5(13.97mm, 3.81mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.204mm < 0.254mm) Between Pad P5-1(3.81mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.203mm < 0.254mm) Between Pad P5-1(3.81mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.201mm < 0.254mm) Between Pad P5-1(3.81mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.251mm < 0.254mm) Between Pad P5-2(6.35mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.219mm < 0.254mm) Between Pad P5-2(6.35mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.252mm < 0.254mm) Between Pad P5-3(8.89mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.246mm < 0.254mm) Between Pad P5-3(8.89mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.252mm < 0.254mm) Between Pad P5-4(11.43mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.244mm < 0.254mm) Between Pad P5-4(11.43mm,6.35mm) on Multi-Layer An Silk To Solder Mask Clearance Constraint: (0.241mm < 0.254mm) Between Pad P5-5(13.97mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.24mm < 0.254mm) Between Pad P5-5(13.97mm,6.35mm) on Multi-Layer And Silk To Solder Mask Clearance Constraint: (0.253mm < 0.254mm) Between Pad P5-5(13.97mm,6.35mm) on Multi-Layer And

#### Silk to Silk (Clearance=0.254mm) (All),(All)

Silk To Silk Clearance Constraint: (0.178mm < 0.254mm) Between Text "BLIN

KIN

LABS" (9.12mm,20.55mm) on Bottom Overlay And Track (6.12mm,17.55mm)(6.12mm,20.55mm) on Bottom Overlay And Track (6.12mm,17.55mm)

### Silk to Silk (Clearance=0.254mm) (All),(All)

Silk To Silk Clearance Constraint: (0.248mm < 0.254mm) Between Text "BLIN

KIN

LABS" (9.12mm,20.55mm) on Bottom Overlay And Track (6.12mm,17.55mm)(9.12mm,17.55mm) on Bottom Overlay And Track (6.12mm,17.55mm)

#### Silk to Silk (Clearance=0.254mm) (All),(All)

Silk To Silk Clearance Constraint: (0.108mm < 0.254mm) Between Text "BLIN

KIN

LABS" (9.12mm,20.55mm) on Bottom Overlay And Track (6.12mm,20.55mm)(9.12mm,20.55mm) on Bottom Overlay And Track (6.12mm,20.55mm)

#### Silk to Silk (Clearance=0.254mm) (All),(All)

Silk To Silk Clearance Constraint: (0.192mm < 0.254mm) Between Text "BLIN

KIN

LABS" (9.12mm,20.55mm) on Bottom Overlay And Track (9.12mm,17.55mm)(9.12mm,20.55mm) on Bottom Overlay And Track (9.12mm,17.55mm)(9.12mm,20.55mm)

#### Net Antennae (Tolerance=0mm) (All)

Net Antennae: Track (6.235mm,32.385mm)(7.735mm,32.385mm) on Bottom Layer

# **Electrical Rules Check Report**

Class	Document	Message
Warning	[03] SOC.SchDoc	Un-Designated Part L?

