



Design Rules Verification Report

Filename: C:\Users\matt\Blinkinlabs-Repos\JTAG_hat\pcb\PCB1.PcbDoc

Warnings 0
Rule Violations 64

Warnings	
Total	0

Rule Violations		
Clearance Constraint (Gap=1mm) (InNamedPolygon('pg_gnd_fill')),(All)		
Clearance Constraint (Gap=0.254mm) (All),(All)		
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=0.254mm) (Max=0.508mm) (Preferred=0.254mm) (All)	0	
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor	0	
House Sea Commence (Min=0.025mm) (Max=6mm) (All)	0	
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0	
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	30	
Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)	15	
Silk to Silk (Clearance=0.254mm) (All),(All)		
Net Antennae (Tolerance=0mm) (All)		
Board Clearance Constraint (Gap=0mm) (All)	9	
Room Sheet1 (Bounding Region = (104.14mm, 41.656mm, 174.625mm, 122.301mm)		
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)		
Total	64	

Clearance Constraint: (0.22mm < 0.254mm) Between Pad C10-1(19.79mm,49.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C1-1(14.235mm,51.812mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C3-1(15.01mm,44.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C4-1(15.21mm,36.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C5-1(15.21mm,31.3mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C6-1(15.31mm,49.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C7-1(19.39mm,44.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C8-1(19.59mm,36.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C8-1(19.59mm,36.1mm) on Top Layer And Pad Clearance Constraint: (0.22mm < 0.254mm) Between Pad C9-1(19.59mm,31.3mm) on Top Layer And Pad

Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All) Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C10-1(19.79mm,49.1mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C1-1(14.235mm,51.812mm) on Top Layer Mindmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C3-1(15.01mm,44.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C4-1(15.21mm,36.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C5-1(15.21mm,31.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C6-1(15.31mm,49.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C7-1(19.39mm,44.1mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C8-1(19.59mm,36.1mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad C9-1(19.59mm,31.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R10-1(19.835mm,53.102mm) on Top Layer Mindmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R1-1(21.527mm,29.415mm) on Top Layer Mindmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R11-1(10.5mm,48.2mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R12-1(21.5mm,38.8mm) on Top Layer And Mandmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R13-1(21.5mm,37.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R14-1(10.5mm,46.9mm) on Top Layer And May mum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R15-1(46.65mm,48.25mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R16-1(26.4mm,36.6mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R17-1(26.4mm,39.9mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R2-1(21.527mm,42.315mm) on Top Layer Mindimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R3-1(21.527mm,41.315mm) on Top Layer Mindimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R4-1(21.527mm,47.215mm) on Top Layer Mindimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R5-1(21.527mm.34.315mm) on Top Layer Mindimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R6-1(21.527mm,33.315mm) on Top Layer Mindimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R7-1(20.9mm,52.3mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R8-1(26.4mm,37.7mm) on Top Layer And Maymum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R9-1(26.4mm,38.8mm) on Top Layer And Madmum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-1(15.71mm,52.652mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-2(15.71mm.51.702mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-4(18.36mm,50.752mm) on Top Layer And Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-5(18.36mm,51.702mm) on Top Layer And

Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)

Silk To Solder Mask Clearance Constraint: (0.225mm < 0.254mm) Between Pad D1-2(49.275mm,48.25mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-1(46.977mm,42.855mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-1(46.977mm,42.855mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-10(50.877mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-10(50.877mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-2(50.877mm,42.855mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-2(50.877mm,42.855mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-3(46.977mm,41.585mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-4(50.877mm,41.585mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-5(46.977mm,40.315mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-6(50.877mm,40.315mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-6(50.877mm,39.045mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-8(50.877mm,39.045mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-9(46.977mm,39.045mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-9(46.977mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-9(46.977mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-9(46.977mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.15mm < 0.254mm) Between Pad J2-9(46.977mm,37.775mm) on Top Layer Stilk To Solder Mask Clearance Constraint: (0.1

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

Silk To Silk Clearance Constraint: (0.22mm < 0.254mm) Between Text "R10" (20.1mm,53.8mm) on Top Overlay And Text "R7"

Board Clearance Constraint (Gap=0mm) (All) Board Outline Clearance(Outline Edge): (Collision < 0.508mm) Between Board Edge And Pad J1-MNT(3mm,3mm) on Board Outline Clearance(Outline Edge): (Collision < 0.508mm) Between Board Edge And Pad J1-MNT(3mm,61mm) on Board Outline Clearance(Outline Edge): (Collision < 0.508mm) Between Board Edge And Pad J1-MNT(52mm,3mm) on Board Outline Clearance(Outline Edge): (Collision < 0.508mm) Between Board Edge And Pad J1-MNT(52mm,61mm) on Board Outline Clearance(Outline Edge): (0.372mm < 0.508mm) Between Board Edge And Track Board Outline Clearance(Outline Edge): (0.372mm < 0.508mm) Between Board Edge And Track Board Outline Clearance(Outline Edge): (0.372mm < 0.508mm) Between Board Edge And Track Board Outline Clearance(Outline Edge): (0.373mm < 0.508mm) Between Board Edge And Track Board Outline Clearance(Outline Edge): (0.373mm < 0.508mm) Between Board Edge And Track

Electrical Rules Check Report

Class	Document	Message
Warning	Sheet1.SchDoc	Component Q1 NTJD5121NT1G at 10100mil,4400mil: Can't perform
		revision status validation: Revision not found.
Warning	Sheet1.SchDoc	Component Q1 NTJD5121NT1G: Can't perform revision status validation:
		Revision not found.
Warning	Sheet1.SchDoc	GND contains IO Pin and Power Pin objects (Pin U1-3, Pin U1-6, Pin U3-3)
		Pin U3-6, Pin J2-3, Pin J2-5, Pin J2-9, Pin U1-4, Pin U2-4, Pin U3-4, Pin
		(14-4)
Warning	Sheet1.SchDoc	Net DIR_SWDIO/TMS has no driving source (Pin J1-31, Pin R14-1, Pin
		U3-5)









