

Electrical Rules Check Report

Class	Document	Message
Warning	Solens.SchDoc	Nets Wire I2C2_ALERT has multiple names (Net Label I2C2_ALERT,Net Label PERIPH_ALERT,Sheet Entry Z1-PERIPH_ALERT(I/O),Sheet Entry Z2-FUEL_ALERT(I/O),Sheet Entry Z3-ALERT(I/O))
Warning	Solens.SchDoc	Nets Wire I2C2_SCL has multiple names (Net Label I2C2_SCL,Net Label PERIPH_SCL,Sheet Entry Z1-PERIPH_SCL(I/O),Sheet Entry Z2-SCL(I/O),Sheet Entry Z3-SCL(I/O))
Warning	Solens.SchDoc	Nets Wire I2C2_SDA has multiple names (Net Label I2C2_SDA,Net Label PERIPH_SDA,Sheet Entry Z1-PERIPH_SDA(I/O),Sheet Entry Z2-SDA(I/O),Sheet Entry Z3-SDA(I/O))
Warning	Solens.SchDoc	Nets Wire PERIPH_ALERT has multiple names (Sheet Entry Z1-PERIPH_ALERT(I/O),Sheet Entry Z2-FUEL_ALERT(I/O),Sheet Entry Z3-ALERT(I/O))
Warning	Solens.SchDoc	Nets Wire PERIPH_SCL has multiple names (Sheet Entry Z1-PERIPH_SCL(I/O),Sheet Entry Z2-SCL(I/O),Sheet Entry Z3-SCL(I/O))
Warning	Solens.SchDoc	Nets Wire PERIPH_SDA has multiple names (Sheet Entry Z1-PERIPH_SDA(I/O),Sheet Entry Z2-SDA(I/O),Sheet Entry Z3-SDA(I/O))
Warning	Solens.SchDoc	Nets Wire PWR_CHRG_L has multiple names (Net Label PWR_CHRG_L,Sheet Entry Z1-PV_CHRG_L(Input),Sheet Entry Z2-PV_CHRG_L(Output))
Warning	Solens.SchDoc	Nets Wire PWR_FAULT_L has multiple names (Net Label PWR_FAULT_L,Sheet Entry Z1-PV_FAULT_L(Input),Sheet Entry Z2-PV_FAULT_L(Output))
Warning	SolarCharger.SchDoc	VBAT_INT contains Input Pin and Unspecified Port objects (Pin U200-9,Port VBAT_INT)

Design Rules Verification Report

Filename : C:\Users\qux\projects\solenshardware\Altium\Solens\Solens.PcbDoc

Warnings 5
Rule Violations 245

Warnings	
Your board contains 1 shelved polygon - copper connectivity will not be reported correctly. Unshelve polygons and	1
Unplated multi-layer pad(s) detected	4
Total	5

Rule Violations	
Room Z7 (Bounding Region = (6975.984mil, 7369.685mil, 9042.913mil, 8688.583mil)	0
Room Z1 (Bounding Region = (2350mil, 7664.961mil, 4416.929mil, 8688.583mil) (Disabled)(InComponentClass("Z1"))	0
Width Constraint (Min=8mil) (Max=120mil) (Preferred=8mil) (InComponent("MTGH**"))	0
Short-Circuit Constraint (Allowed=Yes) (InComponent("MTGH**") And (IsFill Or IsPad Or IsTrack)),(InComponent("MTG**"))	0
Short-Circuit Constraint (Allowed=Yes) (InComponent("SJ**") And (IsFill Or IsPad Or IsTrack)),(InComponent("SJ**") And	0
Clearance Constraint (Gap=0mil) (InComponent("SJ**") And (IsFill Or IsPad Or IsTrack)),(InComponent("SJ**") And (IsFill	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	1
Net Antennae (Tolerance=0mil) (All)	135
Silk to Silk (Clearance=5mil) (All),(All)	8
Silk To Solder Mask (Clearance=2mil) (IsPad),(All)	1
Hole To Hole Clearance (Gap=10mil) (All),(All)	0
Hole Size Constraint (Min=8mil) (Max=250mil) (All)	0
Height Constraint (Min=0mil) (Max=1000mil) (Preferred=500mil) (All)	0
Component Clearance Constraint (Horizontal Gap = 1mil, Vertical Gap = 10mil) (All),(All)	0
Width Constraint (Min=7mil) (Max=12mil) (Preferred=8mil) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=20mil) (Conductor Width=10mil) (Air Gap=10mil) (Entries=4)	0
Clearance Constraint (Gap=8mil) (All),(All)	6
Un-Routed Net Constraint (All)	94
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Width Constraint (Min=8mil) (Max=64mil) (Preferred=8mil) (InNetClass("PWR"))	0
Width Constraint (Min=8mil) (Max=64mil) (Preferred=8mil) (InNetClass("HVY"))	0
Room Z6 (Bounding Region = (6798.819mil, 5853.937mil, 9003.543mil, 7113.779mil)	0
Component Clearance Constraint (Horizontal Gap = 0mil, Vertical Gap = 0mil)	0
Component Clearance Constraint (Horizontal Gap = 0mil, Vertical Gap = 0mil)	0
Room Z2 (Bounding Region = (4416.929mil, 8058.661mil, 5932.677mil, 8688.583mil)	0
Total	245

Your board contains 1 shelved polygon - copper connectivity will not be reported correctly. Unshelve polygons and re-Polygon named: GND Plane In net GND On Signal Layer 1

Unplated multi-layer pad(s) detected	
Pad MTGH4-1(6496.063mil,196.85mil) on Multi-Layer on Net GND	
Pad MTGH3-1(6496.063mil,3543.307mil) on Multi-Layer on Net GND	
Pad MTGH2-1(196.85mil,3543.307mil) on Multi-Layer on Net GND	
Pad MTGH1-1(196.85mil,196.85mil) on Multi-Layer on Net GND	

Modified Polygon (Allow modified: No), (Allow shelved: No)	
Modified Polygon: Polygon Shelved (GND Plane) on Signal Layer 1	

Net Antennae (Tolerance=0mil) (All)
Net Antennae: Via (4796.26mil,3217.494mil) from Top Layer to Bottom Layer
Net Antennae: Via (4951.772mil,3362.205mil) from Top Layer to Bottom Layer
Net Antennae: Via (1866.142mil,3090.551mil) from Top Layer to Bottom Layer
Net Antennae: Via (1775.591mil,3139.764mil) from Top Layer to Bottom Layer
Net Antennae: Via (1062.992mil,2822.835mil) from Top Layer to Bottom Layer
Net Antennae: Via (1358.268mil,2799.213mil) from Top Layer to Bottom Layer
Net Antennae: Via (1204.724mil,2799.213mil) from Top Layer to Bottom Layer
Net Antennae: Via (1342.52mil,3039.37mil) from Top Layer to Bottom Layer
Net Antennae: Via (728.346mil,2874.016mil) from Top Layer to Bottom Layer
Net Antennae: Via (446.902mil,3206.642mil) from Top Layer to Bottom Layer
Net Antennae: Via (445.892mil,3325.762mil) from Top Layer to Bottom Layer
Net Antennae: Via (444.882mil,3444.882mil) from Top Layer to Bottom Layer
Net Antennae: Via (3519.685mil,811.024mil) from Top Layer to Bottom Layer
Net Antennae: Via (1940.945mil,854.331mil) from Top Layer to Bottom Layer
Net Antennae: Via (3848.425mil,1610.236mil) from Top Layer to Bottom Layer
Net Antennae: Via (3708.661mil,1795.276mil) from Top Layer to Bottom Layer
Net Antennae: Via (3346.457mil,669.291mil) from Top Layer to Bottom Layer
Net Antennae: Via (3638.78mil,1702.063mil) from Top Layer to Bottom Layer
Net Antennae: Via (3653.543mil,720.472mil) from Top Layer to Bottom Layer
Net Antennae: Via (3322.835mil,814.961mil) from Top Layer to Bottom Layer
Net Antennae: Via (3114.173mil,814.961mil) from Top Layer to Bottom Layer
Net Antennae: Via (3708.661mil,1712.598mil) from Top Layer to Bottom Layer
Net Antennae: Via (5236.221mil,2027.559mil) from Top Layer to Bottom Layer
Net Antennae: Via (5236.221mil,2125.984mil) from Top Layer to Bottom Layer
Net Antennae: Via (306.102mil,3248.032mil) from Top Layer to Bottom Layer
Net Antennae: Via (1942.913mil,1141.732mil) from Top Layer to Bottom Layer
Net Antennae: Via (2178.15mil,1861.22mil) from Top Layer to Bottom Layer
Net Antennae: Via (2178.15mil,1685.039mil) from Top Layer to Bottom Layer
Net Antennae: Via (2507.874mil,1275.591mil) from Top Layer to Bottom Layer
Net Antennae: Via (3277.559mil,888.779mil) from Top Layer to Bottom Layer
Net Antennae: Via (3286.578mil,1868.326mil) from Top Layer to Bottom Layer
Net Antennae: Via (768.701mil,1018.701mil) from Top Layer to Bottom Layer
Net Antennae: Via (2661.412mil,1129.914mil) from Top Layer to Bottom Layer
Net Antennae: Via (-1439.961mil,3005.931mil) from Top Layer to Bottom Layer
Net Antennae: Via (-1438.976mil,3134.868mil) from Top Layer to Bottom Layer
Net Antennae: Via (2521.653mil,1850.394mil) from Top Layer to Bottom Layer
Net Antennae: Via (1616.142mil,1653.543mil) from Top Layer to Bottom Layer
Net Antennae: Via (1423.228mil,1681.102mil) from Top Layer to Bottom Layer
Net Antennae: Via (1290.354mil,1653.543mil) from Top Layer to Bottom Layer
Net Antennae: Via (912.402mil,1653.543mil) from Top Layer to Bottom Layer
Net Antennae: Via (797.244mil,905.512mil) from Top Layer to Bottom Layer
Net Antennae: Via (1586.614mil,1025.591mil) from Top Layer to Bottom Layer
Net Antennae: Via (5877.953mil,2783.465mil) from Top Layer to Bottom Layer
Net Antennae: Via (5755.905mil,2854.331mil) from Top Layer to Bottom Layer
Net Antennae: Via (2500mil,1692.913mil) from Top Layer to Bottom Layer
Net Antennae: Via (3133.858mil,2066.929mil) from Top Layer to Bottom Layer
Net Antennae: Via (4036.22mil,2422.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (4037.795mil,2322.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (4035.433mil,2222.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (4038.583mil,2022.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (4038.583mil,1922.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (3826.772mil,2222.441mil) from Top Layer to Bottom Layer

Net Antennae (Tolerance=0mil) (All)
Net Antennae: Via (3051.181mil,1968.504mil) from Top Layer to Bottom Layer
Net Antennae: Via (4232.283mil,2421.26mil) from Top Layer to Bottom Layer
Net Antennae: Via (4259.842mil,2263.78mil) from Top Layer to Bottom Layer
Net Antennae: Via (6393.701mil,562.992mil) from Top Layer to Bottom Layer
Net Antennae: Via (6393.701mil,818.898mil) from Top Layer to Bottom Layer
Net Antennae: Via (6157.48mil,464.567mil) from Top Layer to Bottom Layer
Net Antennae: Via (4037.795mil,2122.441mil) from Top Layer to Bottom Layer
Net Antennae: Via (-1287.402mil,3031.496mil) from Top Layer to Bottom Layer
Net Antennae: Via (3090.551mil,1899.606mil) from Top Layer to Bottom Layer
Net Antennae: Via (6161.417mil,314.961mil) from Top Layer to Bottom Layer
Net Antennae: Via (3299.206mil,1968.495mil) from Top Layer to Bottom Layer
Net Antennae: Via (3877.953mil,244.095mil) from Top Layer to Bottom Layer
Net Antennae: Via (3996.063mil,244.095mil) from Top Layer to Bottom Layer
Net Antennae: Via (4114.173mil,244.095mil) from Top Layer to Bottom Layer
Net Antennae: Via (4232.283mil,244.095mil) from Top Layer to Bottom Layer
Net Antennae: Via (6157.48mil,917.323mil) from Top Layer to Bottom Layer
Net Antennae: Via (1131.89mil,285.433mil) from Top Layer to Bottom Layer
Net Antennae: Via (-1444.885mil,3185.035mil) from Top Layer to Bottom Layer
Net Antennae: Via (-850.394mil,1614.173mil) from Top Layer to Bottom Layer
Net Antennae: Via (4921.26mil,285.433mil) from Top Layer to Bottom Layer
Net Antennae: Via (2445.866mil,3197.835mil) from Top Layer to Bottom Layer
Net Antennae: Via (2732.284mil,3200.787mil) from Top Layer to Bottom Layer
Net Antennae: Via (3496.063mil,3456.693mil) from Top Layer to Bottom Layer
Net Antennae: Via (3232.284mil,3480.315mil) from Top Layer to Bottom Layer
Net Antennae: Via (3385.827mil,3401.575mil) from Top Layer to Bottom Layer
Net Antennae: Via (3381.89mil,3208.661mil) from Top Layer to Bottom Layer
Net Antennae: Via (3129.921mil,3307.087mil) from Top Layer to Bottom Layer
Net Antennae: Via (3196.85mil,3307.087mil) from Top Layer to Bottom Layer
Net Antennae: Via (3082.677mil,3448.819mil) from Top Layer to Bottom Layer
Net Antennae: Via (2940.945mil,3354.331mil) from Top Layer to Bottom Layer
Net Antennae: Via (2940.945mil,3401.575mil) from Top Layer to Bottom Layer
Net Antennae: Via (2964.567mil,3429.134mil) from Top Layer to Bottom Layer
Net Antennae: Track (1152.559mil,2754.921mil)(1152.559mil,2905.512mil) on Bottom Layer
Net Antennae: Track (1176.181mil,2750.984mil)(1176.181mil,2922.236mil) on Bottom Layer
Net Antennae: Track (4726.032mil,1659.795mil)(5098.425mil,1287.402mil) on Bottom Layer
Net Antennae: Track (4824.803mil,1309.055mil)(5062.992mil,1070.866mil) on Bottom Layer
Net Antennae: Track (263.779mil,1228.347mil)(263.779mil,1574.803mil) on Bottom Layer
Net Antennae: Track (332.331mil,1206.045mil)(332.331mil,1740.158mil) on Bottom Layer
Net Antennae: Track (295.276mil,1220.472mil)(295.276mil,1860.236mil) on Bottom Layer
Net Antennae: Track (-702.372mil,1948.819mil)(-690.215mil,1936.661mil) on Bottom Layer
Net Antennae: Track (-758.472mil,1955.706mil)(-723.428mil,1920.661mil) on Bottom Layer
Net Antennae: Track (-750mil,1751.968mil)(-618.494mil,1751.968mil) on Bottom Layer
Net Antennae: Track (4478.346mil,232.284mil)(5728.346mil,232.284mil) on Bottom Layer
Net Antennae: Track (4464.567mil,192.913mil)(5891.339mil,192.913mil) on Bottom Layer
Net Antennae: Track (4449.071mil,176.913mil)(5976.913mil,176.913mil) on Bottom Layer
Net Antennae: Track (4474.756mil,210.284mil)(5808.709mil,210.284mil) on Bottom Layer
Net Antennae: Track (-1454.349mil,3163.386mil)(-1453.998mil,3163.035mil) on Bottom Layer
Net Antennae: Track (-1454.349mil,3163.386mil)(-1453.998mil,3163.035mil) on Bottom Layer
Net Antennae: Track (-781.842mil,1779.528mil)(-755.905mil,1805.465mil) on Bottom Layer
Net Antennae: Track (-818.898mil,1899.606mil)(-759.842mil,1958.661mil) on Bottom Layer
Net Antennae: Track (4647.638mil,1856.299mil)(5098.425mil,1405.512mil) on Bottom Layer
Net Antennae: Track (4690.598mil,1754.284mil)(5098.425mil,1346.457mil) on Bottom Layer

Net Antennae (Tolerance=0mil) (All)
Net Antennae: Track (4811.032mil,1515.74mil)(5098.425mil,1228.347mil) on Bottom Layer
Net Antennae: Track (4795.275mil,1472.441mil)(5098.425mil,1169.291mil) on Bottom Layer
Net Antennae: Track (4783.748mil,1424.913mil)(5098.425mil,1110.236mil) on Bottom Layer
Net Antennae: Track (2194.743mil,2514.625mil)(2865.276mil,2514.625mil) on Bottom Layer
Net Antennae: Track (2201.37mil,2498.625mil)(2858.648mil,2498.625mil) on Bottom Layer
Net Antennae: Track (2207.998mil,2482.625mil)(2837.651mil,2482.625mil) on Bottom Layer
Net Antennae: Track (4350.394mil,2480.315mil)(4555.274mil,2685.195mil) on Bottom Layer
Net Antennae: Track (4222.441mil,2509.843mil)(4476.533mil,2763.935mil) on Bottom Layer
Net Antennae: Track (4055.118mil,2539.37mil)(4104.331mil,2588.583mil) on Bottom Layer
Net Antennae: Track (5284.449mil,237.205mil)(5284.449mil,837.598mil) on Top Layer
Net Antennae: Track (-1026.549mil,3032.506mil)(-994.658mil,3064.397mil) on Top Layer
Net Antennae: Track (2204.724mil,1102.362mil)(2327.756mil,1102.362mil) on Top Layer
Net Antennae: Track (2396.653mil,1102.362mil)(2477.372mil,1102.362mil) on Top Layer
Net Antennae: Track (-1830.709mil,3188.976mil)(-1500mil,3188.976mil) on Top Layer
Net Antennae: Track (-1065.945mil,3058.097mil)(-1032.455mil,3058.097mil) on Top Layer
Net Antennae: Track (5382.874mil,237.205mil)(5382.874mil,554.134mil) on Top Layer
Net Antennae: Track (5481.299mil,237.205mil)(5481.299mil,554.134mil) on Top Layer
Net Antennae: Track (5579.724mil,237.205mil)(5579.724mil,554.134mil) on Top Layer
Net Antennae: Track (-1106.299mil,3007.874mil)(-1015.748mil,3007.874mil) on Top Layer
Net Antennae: Track (5523.622mil,1996.063mil)(5572.441mil,1947.244mil) on Top Layer
Net Antennae: Track (5451.181mil,1968.504mil)(5472.441mil,1947.244mil) on Top Layer
Net Antennae: Track (4826.772mil,1791.339mil)(5093.504mil,1791.339mil) on Top Layer
Net Antennae: Track (4866.142mil,1870.079mil)(5093.504mil,1870.079mil) on Top Layer
Net Antennae: Track (4795.275mil,1712.598mil)(5093.504mil,1712.598mil) on Top Layer
Net Antennae: Track (1639.764mil,2781.496mil)(1639.764mil,2997.047mil) on Top Layer
Net Antennae: Track (1834.646mil,2780.512mil)(1834.646mil,3051.181mil) on Top Layer
Net Antennae: Track (1868.11mil,2783.465mil)(1868.11mil,3057.47mil) on Top Layer
Net Antennae: Track (273.319mil,2774.713mil)(1599.303mil,2774.713mil) on Top Layer
Net Antennae: Track (5019.685mil,1543.307mil)(5098.425mil,1464.567mil) on Signal Layer 2
Net Antennae: Track (5031.496mil,1590.551mil)(5098.425mil,1523.622mil) on Signal Layer 2
Net Antennae: Track (2889.764mil,3169.291mil)(2889.764mil,3377.953mil) on Signal Layer 2

Silk to Silk (Clearance=5mil) (All),(All)
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "U302" (6368.11mil,610.236mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.926mil < 5mil) Between Text "U302" (6368.11mil,610.236mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "U302" (6368.11mil,610.236mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.563mil < 5mil) Between Text "C407" (2295.276mil,3177.165mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.592mil < 5mil) Between Text "C402" (2791.339mil,3299.213mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.529mil < 5mil) Between Text "C401" (2795.276mil,3248.006mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.592mil < 5mil) Between Text "C402" (2791.339mil,3299.213mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (2.561mil < 5mil) Between Text "C402" (2791.339mil,3299.213mil) on Top Overlay And Text "C401"

Silk To Solder Mask (Clearance=2mil) (IsPad),(All)
Silk To Solder Mask Clearance Constraint: (0.843mil < 2mil) Between Text "J701" (6403.543mil,3087.795mil) on Bottom Overlay And Pad

Clearance Constraint (Gap=8mil) (All),(All)
Clearance Constraint: (7.414mil < 8mil) Between Track (3090.551mil,2056.496mil)(3110.236mil,2036.811mil) on Top Layer And Pad
Clearance Constraint: (6.143mil < 8mil) Between Via (3322.835mil,759.842mil) from Top Layer to Bottom Layer And Pad C112-2(3297.244mil,787.402mil)
Clearance Constraint: (7.524mil < 8mil) Between Via (3114.173mil,755.905mil) from Top Layer to Bottom Layer And Pad C111-2(3090.551mil,787.402mil)
Clearance Constraint: (7.832mil < 8mil) Between Track (3098.622mil,697.047mil)(3137.886mil,736.311mil) on Top Layer And Pad
Clearance Constraint: (5.912mil < 8mil) Between Track (2805.118mil,662.163mil)(2880.262mil,737.307mil) on Top Layer And Pad
Clearance Constraint: (6.403mil < 8mil) Between Track (2396.653mil,999.016mil)(2665.445mil,1267.807mil) on Top Layer And Pad

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net 3V3_PG Between Track (2889.764mil,3169.291mil)(2889.764mil,3377.953mil) on Signal Layer 2 And Track
Un-Routed Net Constraint: Net 3V3_P Between Pad U301-1(-267.717mil,2569.882mil) on Top Layer And Pad C303-1(-230.315mil,2417.323mil) on Top
Un-Routed Net Constraint: Net 3V3_P Between Pad SJ300-2(-662.402mil,2342.52mil) on Top Layer And Pad C303-1(-230.315mil,2417.323mil) on Top
Un-Routed Net Constraint: Net 3V3_P Between Pad U300-8(-1065.945mil,3109.278mil) on Top Layer And Pad SJ300-2(-662.402mil,2342.52mil) on Top
Un-Routed Net Constraint: Net 3V3 Between Via (3082.677mil,3448.819mil) from Top Layer to Bottom Layer And Pad C406-2(3124.016mil,3448.819mil) on
Un-Routed Net Constraint: Net 3V3 Between Pad R400-1(3097.441mil,3362.205mil) on Top Layer And Via (3129.921mil,3307.087mil) from Top Layer to
Un-Routed Net Constraint: Net 3V3 Between Via (3196.85mil,3307.087mil) from Top Layer to Bottom Layer And Pad C405-1(3236.22mil,3362.205mil) on
Un-Routed Net Constraint: Net 3V3 Between Pad R302-1(-686.024mil,1692.913mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad R301-1(-686.024mil,1850.394mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad J102-10(5813.386mil,-311.654mil) on Top Layer And Pad J102-14(6013.386mil,-311.654mil) on Top
Un-Routed Net Constraint: Pad R300-1(-686.024mil,2007.874mil) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Track (6466.535mil,696.851mil)(6466.535mil,744.095mil) on Top Layer And Pad
Un-Routed Net Constraint: Net 3V3 Between Pad J102-14(6013.386mil,-311.654mil) on Top Layer And Via (6161.417mil,196.85mil) from Top Layer to
Un-Routed Net Constraint: Net 3V3 Between Via (-681.102mil,1643.701mil) from Top Layer to Bottom Layer And Track
Un-Routed Net Constraint: Net CAM_D0 Between Track (4783.748mil,1424.913mil)(5098.425mil,1110.236mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D1 Between Track (4795.275mil,1472.441mil)(5098.425mil,1169.291mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D2 Between Track (4811.032mil,1515.74mil)(5098.425mil,1228.347mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D3 Between Track (4726.032mil,1659.795mil)(5098.425mil,1287.402mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D4 Between Track (4690.598mil,1754.284mil)(5098.425mil,1346.457mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D5 Between Track (4647.638mil,1856.299mil)(5098.425mil,1405.512mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D6 Between Track (5019.685mil,1543.307mil)(5098.425mil,1464.567mil) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net CAM_D7 Between Track (5031.496mil,1590.551mil)(5098.425mil,1523.622mil) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net CAM_HREF_U Between Pad J600-6(7901.968mil,1312.205mil) on Multi-Layer And Pad RR602-8(8689.173mil,289.37mil)
Un-Routed Net Constraint: Net CAM_HREF Between Track (4866.142mil,1870.079mil)(5093.504mil,1870.079mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_PCLK_U Between Pad J600-7(8001.968mil,1412.205mil) on Multi-Layer And Pad RR602-6(8755.906mil,289.37mil) on
Un-Routed Net Constraint: Net CAM_PCLK Between Track (4795.275mil,1712.598mil)(5093.504mil,1712.598mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_PWDN Between Track (4133.858mil,1309.055mil)(4824.803mil,1309.055mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_SCL Between Track (5451.181mil,1968.504mil)(5472.441mil,1947.244mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_SDA Between Track (5523.622mil,1996.063mil)(5572.441mil,1947.244mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_VSYNC_U Between Pad J600-5(8001.968mil,1312.205mil) on Multi-Layer And Pad RR602-7(8724.409mil,289.37mil)
Un-Routed Net Constraint: Net CAM_VSYNC Between Track (4826.772mil,1791.339mil)(5093.504mil,1791.339mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_XCLK_T Between Pad R602-1(5162.402mil,1633.858mil) on Top Layer And Pad J600-8(7901.968mil,1412.205mil) on
Un-Routed Net Constraint: Net DN Between Pad Q300-1(-400.591mil,2332.677mil) on Bottom Layer And Pad U301-3(-267.717mil,2518.701mil) on Top
Un-Routed Net Constraint: Net DP Between Pad Q300-3(-308.071mil,2297.244mil) on Bottom Layer And Pad Q300-2(-308.071mil,2368.11mil) on Bottom
Un-Routed Net Constraint: Net DP Between Pad Q300-2(-308.071mil,2368.11mil) on Bottom Layer And Pad U301-2(-267.717mil,2544.291mil) on Top
Un-Routed Net Constraint: Net GND Between Via (-1444.885mil,3185.035mil) from Top Layer to Bottom Layer And Via (-1438.976mil,3134.868mil) from
Un-Routed Net Constraint: Net GND Between Pad C301-2(-1414.37mil,3031.522mil) on Top Layer And Pad C300-2(-1414.37mil,3110.262mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-2(5413.386mil,-311.654mil) on Top Layer And Pad J102-4(5513.386mil,-311.654mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-6(5613.386mil,-311.654mil) on Top Layer And Pad J102-8(5713.386mil,-311.654mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad C301-2(-1414.37mil,3031.522mil) on Top Layer And Via (-1287.402mil,3031.496mil) from Top Layer to
Un-Routed Net Constraint: Net GND Between Pad C303-2(-179.134mil,2417.323mil) on Top Layer And Pad U301-5(-94.488mil,2493.11mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-12(5913.386mil,-311.654mil) on Top Layer And Pad J102-16(6113.386mil,-311.654mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J102-16(6113.386mil,-311.654mil) on Top Layer And Via (6358.268mil,59.055mil) from Top Layer to
Un-Routed Net Constraint: Net GND Between Pad J600-2(7096.457mil,1112.205mil) on Multi-Layer And Pad J600-2(7901.968mil,1112.205mil) on
Un-Routed Net Constraint: Net GND Between Pad J600-2(7687.008mil,2012.205mil) on Multi-Layer And Pad J600-2(7901.968mil,1112.205mil) on
Un-Routed Net Constraint: Net GND Between Pad J102-4(5513.386mil,-311.654mil) on Top Layer And Pad J102-6(5613.386mil,-311.654mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-8(5713.386mil,-311.654mil) on Top Layer And Pad J102-12(5913.386mil,-311.654mil) on Top
Un-Routed Net Constraint: Net GND Between Via (6393.701mil,818.898mil) from Top Layer to Bottom Layer And Pad J600-2(7096.457mil,1112.205mil) on
Un-Routed Net Constraint: Net GND Between Pad U301-5(-94.488mil,2493.11mil) on Top Layer And Pad TP200-1(196.85mil,3248.032mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad U300-4(-1239.173mil,3032.506mil) on Top Layer And Pad TP200-1(196.85mil,3248.032mil) on Top
Un-Routed Net Constraint: Unplated Pad MTGH1-1(196.85mil,196.85mil) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH2-1(196.85mil,3543.307mil) on Multi-Layer

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Unplated Pad MTGH4-1(6496.063mil,196.85mil) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH3-1(6496.063mil,3543.307mil) on Multi-Layer
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-1454.349mil,3163.386mil)(-1453.998mil,3163.035mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-750mil,1751.968mil)(-618.494mil,1751.968mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-750mil,1751.968mil)(-618.494mil,1751.968mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net I2C2_ALERT Between Pad U301-6(-94.488mil,2518.701mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-1106.299mil,3007.874mil)(-1015.748mil,3007.874mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Track (-781.842mil,1779.528mil)(-755.905mil,1805.465mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net I2C2_SCL Between Track (-702.372mil,1948.819mil)(-690.215mil,1936.661mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Track (-1065.945mil,3058.097mil)(-1032.455mil,3058.097mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Pad U301-8(-94.488mil,2569.882mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_SDA Between Pad U301-7(-94.488mil,2544.291mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_SDA Between Track (-758.472mil,1955.706mil)(-723.428mil,1920.661mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net I2C2_SDA Between Track (-1026.549mil,3032.506mil)(-994.658mil,3064.397mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SDA Between Pad U301-7(-94.488mil,2544.291mil) on Top Layer And Track
Un-Routed Net Constraint: Net LED0 Between Track (4478.346mil,232.284mil)(5728.346mil,232.284mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED1 Between Track (4474.756mil,210.284mil)(5808.709mil,210.284mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED2 Between Track (4464.567mil,192.913mil)(5891.339mil,192.913mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED3 Between Track (4449.071mil,176.913mil)(5976.913mil,176.913mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net MCO2_T Between Track (5284.449mil,237.205mil)(5284.449mil,837.598mil) on Top Layer And Pad
Un-Routed Net Constraint: Net NetC100_1 Between Track (2204.724mil,1102.362mil)(2327.756mil,1102.362mil) on Top Layer And Pad
Un-Routed Net Constraint: Net NetC403_2 Between Via (2940.945mil,3354.331mil) from Top Layer to Bottom Layer And Track
Un-Routed Net Constraint: Net NeU600_9 Between Pad J600-9(8001.968mil,1512.205mil) on Multi-Layer And Pad RR601-5(9322.638mil,604.331mil) on
Un-Routed Net Constraint: Net NeU600_10 Between Pad J600-10(7901.968mil,1512.205mil) on Multi-Layer And Pad RR601-6(9287.401mil,604.331mil) on
Un-Routed Net Constraint: Net NeU600_11 Between Pad J600-11(8001.968mil,1612.205mil) on Multi-Layer And Pad RR601-7(9255.906mil,604.331mil) on
Un-Routed Net Constraint: Net NeU600_12 Between Pad J600-12(7901.968mil,1612.205mil) on Multi-Layer And Pad RR601-8(9220.669mil,604.331mil) on
Un-Routed Net Constraint: Net NeU600_13 Between Pad J600-13(8001.968mil,1712.205mil) on Multi-Layer And Pad RR600-5(8554.921mil,712.598mil) on
Un-Routed Net Constraint: Net NeU600_14 Between Pad J600-14(7901.968mil,1712.205mil) on Multi-Layer And Pad RR600-6(8519.685mil,712.598mil) on
Un-Routed Net Constraint: Net NeU600_15 Between Pad J600-15(8001.968mil,1812.205mil) on Multi-Layer And Pad RR600-7(8488.189mil,712.598mil) on
Un-Routed Net Constraint: Net NeU600_16 Between Pad J600-16(7901.968mil,1812.205mil) on Multi-Layer And Pad RR600-8(8452.953mil,712.598mil) on
Un-Routed Net Constraint: Net PB13_T Between Track (5382.874mil,237.205mil)(5382.874mil,554.134mil) on Top Layer And Pad
Un-Routed Net Constraint: Net PB14_T Between Track (5481.299mil,237.205mil)(5481.299mil,554.134mil) on Top Layer And Pad
Un-Routed Net Constraint: Net PB15_T Between Track (5579.724mil,237.205mil)(5579.724mil,554.134mil) on Top Layer And Pad
Un-Routed Net Constraint: Pad U100-23(2723.425mil,1289.37mil) on Top Layer
Un-Routed Net Constraint: Net PV_SHDN_L Between Track (1599.303mil,2774.713mil)(1600.394mil,2773.622mil) on Top Layer And Track
Un-Routed Net Constraint: Net PWR_CHRG_L Between Track (1960.63mil,2913.386mil)(1978.347mil,2931.102mil) on Top Layer And Track
Un-Routed Net Constraint: Net PWR_CHRG_L Between Track (1098.423mil,2959.648mil)(1152.559mil,2905.512mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net PWR_FAULT_L Between Pad TP209-1(1960.63mil,3137.795mil) on Top Layer And Track
Un-Routed Net Constraint: Net PWR_FAULT_L Between Pad U200-5(1121.063mil,3030.512mil) on Top Layer And Pad TP209-1(1960.63mil,3137.795mil)
Un-Routed Net Constraint: Net VBAT_INT Between Track (1093.504mil,3217.52mil)(1093.504mil,3250mil) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net WIFI_RX Between Track (4222.441mil,2509.843mil)(4476.533mil,2763.935mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net WIFI_TX Between Track (4350.394mil,2480.315mil)(4555.274mil,2685.195mil) on Bottom Layer And Pad