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_AL_L(I/O),Sheet Entry Z3-A\L\E\R\T\(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_AL_L(I/O),Sheet Entry Z3-A\L\E\R\T\(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	
Unplated multi-layer pad(s) detected	4
Total	4

Rule Violations	
Room Z7 (Bounding Region = (5794.882mil, 7369.685mil, 7911.024mil, 8698.424mil)	0
Room Z6 (Bounding Region = (6533.072mil, 6026.772mil, 7911.024mil, 7306.299mil)	0
Room Z2 (Bounding Region = (4416.929mil, 8058.661mil, 5932.677mil, 8688.583mil)	0
Component Clearance Constraint (Horizontal Gap = 0mil, Vertical Gap = 0mil)	0
Component Clearance Constraint (Horizontal Gap = 0mil, Vertical Gap = 0mil)	0
Width Constraint (Min=8mil) (Max=64mil) (Preferred=8mil) (InNetClass('HVY'))	0
Width Constraint (Min=8mil) (Max=64mil) (Preferred=8mil) (InNetClass('PWR'))	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	141
Clearance Constraint (Gap=8mil) (All),(All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=20mil) (Conductor Width=10mil) (Air Gap=10mil) (Entries=4)	0
Width Constraint (Min=7mil) (Max=12mil) (Preferred=8mil) (All)	0
Component Clearance Constraint (Horizontal Gap = 1mil, Vertical Gap = 10mil) (All),(All)	2
Height Constraint (Min=0mil) (Max=1000mil) (Prefered=500mil) (All)	0
Hole Size Constraint (Min=8mil) (Max=250mil) (All)	0
Hole To Hole Clearance (Gap=10mil) (All),(All)	0
Silk To Solder Mask (Clearance=2mil) (IsPad),(All)	2
Silk to Silk (Clearance=5mil) (All),(All)	18
Net Antennae (Tolerance=0mil) (All)	95
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Clearance Constraint (Gap=0mil) (InComponent('SJ*') And (IsFill Or IsPad Or IsTrack)),(InComponent('SJ*') And (IsFill	0
Short-Circuit Constraint (Allowed=Yes) (InComponent('SJ*') And (IsFill Or IsPad Or IsTrack)),(InComponent('SJ*') And	0
Short-Circuit Constraint (Allowed=Yes) (InComponent('MTGH*') And (IsFill Or IsPad Or IsTrack)),(InComponent('MTG*')	0
Width Constraint (Min=8mil) (Max=120mil) (Preferred=8mil) (InComponent('MTGH*'))	0
Room Z1 (Bounding Region = (2350mil, 7664.961mil, 4416.929mil, 8688.583mil) (Disabled)(InComponentClass('Z1'))	0
Total	258

Unplated multi-layer pad(s) detected
Pad MTGH1-1(196.85mil,196.85mil) on Multi-Layer on Net GND
Pad MTGH2-1(196.85mil,2755.905mil) on Multi-Layer on Net GND
Pad MTGH3-1(5314.961mil,2755.905mil) on Multi-Layer on Net GND
Pad MTGH4-1(5314.961mil,196.85mil) on Multi-Layer on Net GND

Un-Routed Net Constraint ((All))
Un-Routed Net Constraint: Net WIFI_TX Between Track (3314.709mil,1641.675mil)(3314.709mil,1787.653mil) on Top Layer And Pad
Un-Routed Net Constraint: Net WIFI_RX Between Track (2637.795mil,1771.653mil)(2746.063mil,1663.386mil) on Top Layer And Pad
Un-Routed Net Constraint: Net VBAT_INT Between Track (1093.504mil,2430.118mil)(1093.504mil,2462.598mil) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net SWO Between Track (2808.071mil,1676.181mil)(2824.803mil,1659.449mil) on Top Layer And Pad
Un-Routed Net Constraint: Net SWDIO Between Track (3330.709mil,1648.302mil)(3330.709mil,1811.024mil) on Top Layer And Pad
Un-Routed Net Constraint: Net SWCLK Between Track (3297.244mil,1607.283mil)(3297.244mil,1777.559mil) on Top Layer And Pad
Un-Routed Net Constraint: Net SPECT1 Between Track (3452.756mil,748.031mil)(3602.362mil,748.031mil) on Signal Layer 2 And Track
Un-Routed Net Constraint: Net SPECT0 Between Track (3582.677mil,775.591mil)(3582.677mil,775.59mil) on Top Layer And Track
Un-Routed Net Constraint: Net SD_NWE_T Between Track (1235.236mil,1224.409mil)(1373.032mil,1086.614mil) on Bottom Layer And Via
Un-Routed Net Constraint: Net PWR_FAULT_L Between Pad U200-5(1121.063mil,2243.11mil) on Top Layer And Pad TP209-1(1960.63mil,2350.394mil)
Un-Routed Net Constraint: Net PWR_FAULT_L Between Track (1978.347mil,2368.11mil)(1978.347mil,2437.008mil) on Top Layer And Track
Un-Routed Net Constraint: Net PWR_CHRG_L Between Track (1098.423mil,2172.246mil)(1152.559mil,2118.11mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net PWR_CHRG_L Between Pad TP208-1(1960.63mil,2125.984mil) on Top Layer And Track
Un-Routed Net Constraint: Net PV_SHDN_L Between Track (1599.303mil,1987.311mil)(1600.394mil,1986.22mil) on Top Layer And Track
Un-Routed Net Constraint: Net PB15 Between Track (3540.354mil,918.307mil)(3740.157mil,918.307mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net PB15_T Between Pad J102-7(4346.85mil,-580.709mil) on Bottom Layer And Pad SJ105-2(5285.433mil,-526.575mil) on
Un-Routed Net Constraint: Net PB14 Between Track (3518.701mil,893.701mil)(3740.157mil,893.701mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net PB14_T Between Pad J102-5(4446.85mil,-580.709mil) on Bottom Layer And Pad SJ104-2(5157.48mil,-516.732mil) on
Un-Routed Net Constraint: Net PB13 Between Track (3489.173mil,868.11mil)(3740.157mil,868.11mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net PB13_T Between Pad J102-3(4546.85mil,-580.709mil) on Bottom Layer And Pad SJ103-2(5029.527mil,-526.575mil) on
Un-Routed Net Constraint: Net NRST Between Pad C124-1(2574.803mil,-476.378mil) on Top Layer And Track
Un-Routed Net Constraint: Net NRST Between Track (2657.48mil,1677.165mil)(2803.496mil,1823.181mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net NetJ103_11 Between Pad J103-11(3307.087mil,3240.157mil) on Top Layer And Pad SJ109-2(4175.197mil,3399.606mil) on
Un-Routed Net Constraint: Net NetJ103_9 Between Pad J103-9(3307.087mil,3340.157mil) on Top Layer And Pad SJ108-2(4185.039mil,3498.032mil) on
Un-Routed Net Constraint: Net NetJ103_7 Between Pad J103-7(3307.087mil,3440.157mil) on Top Layer And Pad SJ107-2(4155.512mil,3586.614mil) on
Un-Routed Net Constraint: Net NetJ103_3 Between Pad J103-3(3307.087mil,3640.157mil) on Top Layer And Pad SJ106-2(4204.724mil,3675.197mil) on
Un-Routed Net Constraint: Net NetJ103_1 Between Pad J103-1(3307.087mil,3740.157mil) on Top Layer And Pad R106-2(4214.567mil,3753.937mil) on
Un-Routed Net Constraint: Net NetJ101_3 Between Pad J101-3(1528.74mil,-511.811mil) on Multi-Layer And Pad R105-1(1545.276mil,-378.937mil) on Top
Un-Routed Net Constraint: Net NetD301_1 Between Pad D301-1(4340.551mil,-1289.37mil) on Top Layer And Pad R304-2(4763.779mil,-1313.976mil) on
Un-Routed Net Constraint: Net NetC403_2 Between Via (2940.945mil,2566.929mil) from Top Layer to Bottom Layer And Track
Un-Routed Net Constraint: Net MCO2_T Between Pad R110-2(3601.378mil,1291.339mil) on Top Layer And Pad J102-1(4646.85mil,-580.709mil) on Bottom
Un-Routed Net Constraint: Net LED3 Between Track (3324.803mil,923.228mil)(3638.78mil,609.252mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED2 Between Track (3429.134mil,842.52mil)(3671.26mil,600.394mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED1 Between Track (3448.819mil,846.457mil)(3702.756mil,592.52mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net LED0 Between Track (3378.937mil,1131.89mil)(3439.961mil,1131.89mil) on Top Layer And Track
Un-Routed Net Constraint: Net LED0 Between Pad TP306-1(3937.008mil,-1269.685mil) on Top Layer And Pad R304-1(4763.779mil,-1245.079mil) on Top
Un-Routed Net Constraint: Net LED0 Between Pad TP306-1(3937.008mil,-1269.685mil) on Top Layer And Pad J102-9(4246.85mil,-580.709mil) on Bottom
Un-Routed Net Constraint: Net LED0 Between Track (3467.173mil,850.73mil)(3723.912mil,593.991mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net I2C2_SDA Between Track (-199.777mil,2402.585mil)(-167.886mil,2434.476mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SDA Between Pad R300-2(-754.921mil,1220.473mil) on Top Layer And Pad U301-7(-94.488mil,1756.89mil) on Top
Un-Routed Net Constraint: Net I2C2_SDA Between Pad U301-7(-94.488mil,1756.89mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_SDA Between Track (1834.646mil,1993.11mil)(1834.646mil,1993.11mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Track (-239.173mil,2428.175mil)(-205.683mil,2428.175mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Track (-702.372mil,1161.417mil)(-690.215mil,1149.26mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net I2C2_SCL Between Pad U301-8(-94.488mil,1782.48mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_SCL Between Track (1639.764mil,1994.094mil)(1639.764mil,2209.646mil) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-627.577mil,2533.465mil)(-627.226mil,2533.113mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-279.527mil,2377.953mil)(-188.976mil,2377.953mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-750mil,964.567mil)(-618.494mil,964.567mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (-279.527mil,2377.953mil)(-188.976mil,2377.953mil) on Top Layer And Pad
Un-Routed Net Constraint: Net I2C2_ALERT Between Track (1868.11mil,1996.063mil)(1869.094mil,1995.079mil) on Top Layer And Track
Un-Routed Net Constraint: Net GND Between Track (-618.114mil,2555.113mil)(-591.566mil,2555.113mil) on Top Layer And Track

Un-Routed Net Constraint ((All))
Un-Routed Net Constraint: Net GND Between Track (3463.236mil,1031.149mil)(3468.504mil,1036.417mil) on Top Layer And Pad
Un-Routed Net Constraint: Net GND Between Pad C301-2(-587.599mil,2401.601mil) on Top Layer And Pad C300-2(-587.599mil,2480.341mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-8(4346.85mil,-370.709mil) on Bottom Layer And Pad J102-6(4446.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Pad J102-6(4446.85mil,-370.709mil) on Bottom Layer And Pad J102-4(4546.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Pad J103-4(3517.087mil,3640.157mil) on Top Layer And Pad J103-2(3517.087mil,3740.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J102-4(4546.85mil,-370.709mil) on Bottom Layer And Pad J102-2(4646.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Pad J103-6(3517.087mil,3540.157mil) on Top Layer And Pad J103-4(3517.087mil,3640.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J103-12(3517.087mil,3240.157mil) on Top Layer And Pad J103-10(3517.087mil,3340.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J103-10(3517.087mil,3340.157mil) on Top Layer And Pad J103-8(3517.087mil,3440.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad C301-2(-587.599mil,2401.601mil) on Top Layer And Via (-460.63mil,2401.575mil) from Top Layer to
Un-Routed Net Constraint: Net GND Between Track (6100.394mil,-177.165mil)(6100.394mil,-158.296mil) on Top Layer And Via (6190.945mil,-244.095mil)
Un-Routed Net Constraint: Net GND Between Pad C124-2(2523.622mil,-476.378mil) on Top Layer And Pad SW101-2(2525.59mil,-318.897mil) on Top
Un-Routed Net Constraint: Net GND Between Pad C303-2(-179.134mil,1629.921mil) on Top Layer And Pad U301-5(-94.488mil,1705.709mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (3809.055mil,-452.756mil)(3809.055mil,-419.291mil) on Top Layer And Pad
Un-Routed Net Constraint: Net GND Between Pad J102-16(3946.85mil,-370.709mil) on Bottom Layer And Pad J102-12(4146.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Pad J103-5(3307.087mil,3540.157mil) on Top Layer And Pad J103-6(3517.087mil,3540.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad TP105-1(285.433mil,-216.535mil) on Top Layer And Track
Un-Routed Net Constraint: Net GND Between Pad C124-2(2523.622mil,-476.378mil) on Top Layer And Pad C106-2(2553.153mil,-797.241mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J700-6(5383.858mil,1960.63mil) on Multi-Layer And Pad C123-2(5742.126mil,1653.543mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J101-6(1828.74mil,-511.811mil) on Multi-Layer And Via (2488.189mil,-476.378mil) from Top Layer to
Un-Routed Net Constraint: Net GND Between Pad J100-6(1572.835mil,-1082.677mil) on Multi-Layer And Pad J101-6(1828.74mil,-511.811mil) on
Un-Routed Net Constraint: Net GND Between Pad D301-2(4340.551mil,-1348.425mil) on Top Layer And Pad J102-8(4346.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Pad TP106-1(3457.677mil,-1153.543mil) on Top Layer And Pad C122-2(3809.055mil,-452.756mil) on Top
Un-Routed Net Constraint: Net GND Between Track (5177.165mil,59.055mil)(5236.221mil,118.11mil) on Top Layer And Pad
Un-Routed Net Constraint: Net GND Between Pad J103-8(3517.087mil,3440.157mil) on Top Layer And Pad J103-6(3517.087mil,3540.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J102-12(4146.85mil,-370.709mil) on Bottom Layer And Pad J102-8(4346.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net GND Between Track (5452.756mil,59.055mil)(5452.756mil,59.055mil) on Top Layer And Pad
Un-Routed Net Constraint: Net GND Between Pad U300-4(-412.402mil,2402.585mil) on Top Layer And Pad TP200-1(196.85mil,2460.63mil) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (-413.412mil,2401.575mil)(-412.402mil,2402.585mil) on Top Layer And Pad
Un-Routed Net Constraint: Net GND Between Pad SW101-2(2525.59mil,-318.897mil) on Top Layer [Unplated] And Track
Un-Routed Net Constraint: Net GND Between Pad TP401-1(3496.063mil,2775.59mil) on Top Layer And Pad J103-12(3517.087mil,3240.157mil) on Top
Un-Routed Net Constraint: Net GND Between Pad J600-2(4429.134mil,527.165mil) on Multi-Layer And Pad J102-6(4446.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Unplated Pad MTGH4-1(5314.961mil,196.85mil) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH3-1(5314.961mil,2755.905mil) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH2-1(196.85mil,2755.905mil) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH1-1(196.85mil,196.85mil) on Multi-Layer
Un-Routed Net Constraint: Net EXTRA_TX Between Pad TP102-1(935.039mil,-442.913mil) on Top Layer And Pad R104-2(1427.165mil,-319.882mil) on
Un-Routed Net Constraint: Net EXTRA_TX Between Pad R104-2(1427.165mil,-319.882mil) on Top Layer And Track
Un-Routed Net Constraint: Net EXTRA_TX_T Between Pad R104-1(1427.165mil,-388.779mil) on Top Layer And Pad J101-2(1428.74mil,-511.811mil) on
Un-Routed Net Constraint: Net EXTRA_RX Between Pad TP103-1(1122.047mil,-452.756mil) on Top Layer And Pad R105-2(1545.276mil,-310.039mil) on
Un-Routed Net Constraint: Net EXTRA_RX Between Pad R105-2(1545.276mil,-310.039mil) on Top Layer And Track
Un-Routed Net Constraint: Net DP Between Pad Q300-3(-308.071mil,1509.843mil) on Bottom Layer And Pad Q300-2(-308.071mil,1580.709mil) on Bottom
Un-Routed Net Constraint: Net DP Between Pad Q300-2(-308.071mil,1580.709mil) on Bottom Layer And Pad U301-2(-267.717mil,1756.89mil) on Top
Un-Routed Net Constraint: Net DN Between Pad Q300-1(-400.591mil,1545.276mil) on Bottom Layer And Pad U301-3(-267.717mil,1731.299mil) on Top
Un-Routed Net Constraint: Net DEBUG_TX Between Track (1214.561mil,-925.191mil)(1466.541mil,-925.191mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net DEBUG_TX Between Track (1761.811mil,-984.252mil)(1761.811mil,-960.63mil) on Bottom Layer And Via
Un-Routed Net Constraint: Net DEBUG_RX Between Track (1296.26mil,-917.323mil)(1494.094mil,-917.323mil) on Top Layer And Via
Un-Routed Net Constraint: Net DEBUG_RX Between Pad TP101-1(1958.661mil,-1062.992mil) on Top Layer And Track
Un-Routed Net Constraint: Net CAM_XCLK_T Between Pad R602-1(3601.378mil,1374.016mil) on Top Layer And Pad J600-8(5234.646mil,827.165mil) on
Un-Routed Net Constraint: Net CAM_VSYNC Between Track (3253.008mil,1483.213mil)(3789.37mil,1483.213mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_SDA Between Track (3255.906mil,1153.543mil)(3789.37mil,1153.543mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net CAM_SDA Between Track (5004.331mil,627.165mil)(5234.646mil,627.165mil) on Top Layer And Pad

Un-Routed Net Constraint ((All))

Un-Routed Net Constraint: Net CAM_SCL Between Track (3358.268mil,1185.039mil)(3789.37mil,1185.039mil) on Bottom Layer And Track
Un-Routed Net Constraint: Net CAM_SCL Between Track (5284.646mil,577.165mil)(5334.646mil,627.165mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_PWDN Between Pad U100-87(3378.937mil,1112.205mil) on Top Layer And Pad J600-17(5334.646mil,1327.165mil)
Un-Routed Net Constraint: Net CAM_PCLK Between Track (3382.074mil,799.402mil)(3740.157mil,799.402mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_HREF Between Track (3366.051mil,818.807mil)(3740.157mil,818.807mil) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_D7 Between Track (2718.85mil,1391.386mil)(3789.37mil,1391.386mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D6 Between Track (2716.535mil,1437.008mil)(3789.37mil,1437.008mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D5 Between Track (3787.402mil,1661.417mil)(3789.37mil,1659.449mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D4 Between Track (3238.535mil,1557.433mil)(3789.37mil,1557.433mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D3 Between Track (3192.661mil,1453.008mil)(3789.37mil,1453.008mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D2 Between Track (3476.371mil,1318.889mil)(3789.37mil,1318.889mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D1 Between Track (3503.465mil,1275.591mil)(3789.37mil,1275.591mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net CAM_D0 Between Track (3519.968mil,1228.063mil)(3789.37mil,1228.063mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net BTN0 Between Track (2590.551mil,1381.89mil)(2590.551mil,1550.207mil) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net 3V3 Between Via (3082.677mil,2661.417mil) from Top Layer to Bottom Layer And Pad C406-2(3124.016mil,2661.417mil) on
Un-Routed Net Constraint: Net 3V3 Between Pad R400-1(3097.441mil,2574.803mil) on Top Layer And Via (3129.921mil,2519.685mil) from Top Layer to
Un-Routed Net Constraint: Net 3V3 Between Via (3196.85mil,2519.685mil) from Top Layer to Bottom Layer And Pad C405-1(3236.22mil,2574.803mil) on
Un-Routed Net Constraint: Net 3V3 Between Pad R302-1(-686.024mil,905.512mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad R301-1(-686.024mil,1062.992mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Track (3378.937mil,1053.149mil)(3441.929mil,1053.149mil) on Top Layer And Pad
Un-Routed Net Constraint: Net 3V3 Between Pad C117-1(3579.724mil,1052.165mil) on Top Layer And Pad C118-1(3580.709mil,1224.409mil) on Top
Un-Routed Net Constraint: Net 3V3 Between Pad J102-14(4046.85mil,-370.709mil) on Bottom Layer And Pad J102-10(4246.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Pad R300-1(-686.024mil,1220.473mil) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Track (2790.354mil,-476.378mil)(2834.646mil,-476.378mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad C122-1(3809.055mil,-503.937mil) on Top Layer And Pad J102-14(4046.85mil,-370.709mil) on Bottom
Un-Routed Net Constraint: Net 3V3 Between Pad R703-1(4837.598mil,2125.984mil) on Top Layer And Pad C123-1(5793.307mil,1653.543mil) on Top
Un-Routed Net Constraint: Net 3V3 Between Pad J600-1(5334.646mil,527.165mil) on Multi-Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad R700-2(3815.945mil,2504.896mil) on Top Layer And Pad R106-1(4145.669mil,3753.937mil) on Top
Un-Routed Net Constraint: Net 3V3 Between Pad TP104-1(3090.551mil,-318.897mil) on Top Layer And Track
Un-Routed Net Constraint: Net 3V3 Between Pad TP104-1(3090.551mil,-318.897mil) on Top Layer And Pad C122-1(3809.055mil,-503.937mil) on Top
Un-Routed Net Constraint: Net 3V3 Between Pad R300-1(-686.024mil,1220.473mil) on Top Layer And Pad U500-27(820.866mil,1318.898mil) on Top Layer
Un-Routed Net Constraint: Net 3V3_P Between Pad U301-1(-267.717mil,1782.48mil) on Top Layer And Pad C303-1(-230.315mil,1629.921mil) on Top
Un-Routed Net Constraint: Net 3V3_P Between Pad SJ300-2(-662.402mil,1555.118mil) on Top Layer And Pad C303-1(-230.315mil,1629.921mil) on Top
Un-Routed Net Constraint: Net 3V3_P Between Track (-326.772mil,2523.622mil)(-282.506mil,2479.356mil) on Top Layer And Pad
Un-Routed Net Constraint: Net 3V3_PG Between Track (2889.764mil,2381.89mil)(2889.764mil,2590.551mil) on Signal Layer 2 And Track
Un-Routed Net Constraint: Net NetUP700_2 Between Track (3801.181mil,2382.874mil)(4643.701mil,2382.874mil) on Bottom Layer And Pad
Un-Routed Net Constraint: Net NetUP700_4 Between Track (3917.323mil,2299.213mil)(4682.189mil,2299.213mil) on Bottom Layer And Pad

Component Clearance Constraint (Horizontal Gap = 1mil, Vertical Gap = 10mil) (All),(All)

Component Clearance Constraint: (Collision < 1mil) Between Component J600-CAMERA_2x10 (5334.646mil,527.165mil) on Top Layer And SMT Small
Component Clearance Constraint: (Collision < 1mil) Between Component J600-CAMERA_2x10 (5334.646mil,527.165mil) on Top Layer And SMT Small

Silk To Solder Mask (Clearance=2mil) (IsPad),(All)

Silk To Solder Mask Clearance Constraint: (Collision < 2mil) Between Text "SJ100" (1934.055mil,1443.898mil) on Top Overlay And Pad
Silk To Solder Mask Clearance Constraint: (0.843mil < 2mil) Between Text "J701" (5222.441mil,2300.394mil) on Bottom Overlay And Pad

Silk to Silk (Clearance=5mil) (All),(All)
Silk To Silk Clearance Constraint: (3.771mil < 5mil) Between Text "D5" (5029.646mil,1057.165mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.073mil < 5mil) Between Text "D3" (5029.646mil,1162.165mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (3.378mil < 5mil) Between Text "PWDN" (4959.646mil,1262.165mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (3.998mil < 5mil) Between Text "C112" (3169.29mil,523.623mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (Collision < 5mil) Between Text "C116" (3298.228mil,529.527mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.592mil < 5mil) Between Text "C402" (2791.339mil,2511.811mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.529mil < 5mil) Between Text "C401" (2795.276mil,2460.604mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.592mil < 5mil) Between Text "C402" (2791.339mil,2511.811mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.563mil < 5mil) Between Text "C407" (2295.276mil,2389.764mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.529mil < 5mil) Between Text "C116" (3298.228mil,529.527mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.529mil < 5mil) Between Text "C116" (3298.228mil,529.527mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "C121" (2956.693mil,1712.598mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "C121" (2956.693mil,1712.598mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "U302" (6165.354mil,-196.85mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.926mil < 5mil) Between Text "U302" (6165.354mil,-196.85mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (4.896mil < 5mil) Between Text "U302" (6165.354mil,-196.85mil) on Top Overlay And Track
Silk To Silk Clearance Constraint: (Collision < 5mil) Between Text "J600" (5275.591mil,1614.173mil) on Top Overlay And Text "J700"
Silk To Silk Clearance Constraint: (2.561mil < 5mil) Between Text "C401" (2795.276mil,2460.604mil) on Top Overlay And Text "C402"

Net Antennae (Tolerance=0mil) (All)
Net Antennae: Via (2808.071mil,1676.181mil) from Top Layer to Bottom Layer
Net Antennae: Via (2964.567mil,2641.732mil) from Top Layer to Bottom Layer
Net Antennae: Via (2940.945mil,2614.173mil) from Top Layer to Bottom Layer
Net Antennae: Via (2940.945mil,2566.929mil) from Top Layer to Bottom Layer
Net Antennae: Via (3082.677mil,2661.417mil) from Top Layer to Bottom Layer
Net Antennae: Via (3196.85mil,2519.685mil) from Top Layer to Bottom Layer
Net Antennae: Via (3129.921mil,2519.685mil) from Top Layer to Bottom Layer
Net Antennae: Via (-850.394mil,826.772mil) from Top Layer to Bottom Layer
Net Antennae: Via (-618.114mil,2555.113mil) from Top Layer to Bottom Layer
Net Antennae: Via (5954.725mil,110.236mil) from Top Layer to Bottom Layer
Net Antennae: Via (2637.795mil,1771.653mil) from Top Layer to Bottom Layer
Net Antennae: Via (3809.055mil,-537.402mil) from Top Layer to Bottom Layer
Net Antennae: Via (3809.055mil,-419.291mil) from Top Layer to Bottom Layer
Net Antennae: Via (1899.606mil,-1062.992mil) from Top Layer to Bottom Layer
Net Antennae: Via (3003.937mil,-318.897mil) from Top Layer to Bottom Layer
Net Antennae: Via (-460.63mil,2401.575mil) from Top Layer to Bottom Layer
Net Antennae: Via (5954.724mil,-342.52mil) from Top Layer to Bottom Layer
Net Antennae: Via (6190.945mil,11.811mil) from Top Layer to Bottom Layer
Net Antennae: Via (6190.945mil,-244.095mil) from Top Layer to Bottom Layer
Net Antennae: Via (2834.646mil,-476.378mil) from Top Layer to Bottom Layer
Net Antennae: Via (2488.189mil,-476.378mil) from Top Layer to Bottom Layer
Net Antennae: Via (2460.63mil,-318.897mil) from Top Layer to Bottom Layer
Net Antennae: Via (-612.205mil,2504.947mil) from Top Layer to Bottom Layer
Net Antennae: Via (-613.189mil,2376.01mil) from Top Layer to Bottom Layer
Net Antennae: Via (6263.779mil,-62.992mil) from Top Layer to Bottom Layer
Net Antennae: Via (3582.677mil,775.591mil) from Top Layer to Bottom Layer
Net Antennae: Via (3602.362mil,748.031mil) from Top Layer to Bottom Layer
Net Antennae: Track (3048.566mil,513.432mil)(3098.677mil,463.32mil) on Bottom Layer
Net Antennae: Track (3043.307mil,496.063mil)(3082.677mil,456.693mil) on Bottom Layer
Net Antennae: Track (3149.606mil,1661.417mil)(3787.402mil,1661.417mil) on Bottom Layer
Net Antennae: Track (3519.968mil,1228.063mil)(3789.37mil,1228.063mil) on Bottom Layer
Net Antennae: Track (3503.465mil,1275.591mil)(3789.37mil,1275.591mil) on Bottom Layer
Net Antennae: Track (3476.371mil,1318.889mil)(3789.37mil,1318.889mil) on Bottom Layer
Net Antennae: Track (-818.898mil,1112.205mil)(-759.842mil,1171.26mil) on Bottom Layer
Net Antennae: Track (-781.842mil,992.126mil)(-755.905mil,1018.063mil) on Bottom Layer
Net Antennae: Track (-627.577mil,2533.465mil)(-627.226mil,2533.113mil) on Bottom Layer
Net Antennae: Track (-627.577mil,2533.465mil)(-627.226mil,2533.113mil) on Bottom Layer
Net Antennae: Track (3324.803mil,923.228mil)(3638.78mil,609.252mil) on Bottom Layer
Net Antennae: Track (3429.134mil,842.52mil)(3671.26mil,600.394mil) on Bottom Layer
Net Antennae: Track (3448.819mil,846.457mil)(3702.756mil,592.52mil) on Bottom Layer
Net Antennae: Track (3467.173mil,850.73mil)(3723.912mil,593.991mil) on Bottom Layer
Net Antennae: Track (3467.173mil,850.73mil)(3467.173mil,917.961mil) on Bottom Layer
Net Antennae: Track (2657.48mil,1677.165mil)(2803.496mil,1823.181mil) on Bottom Layer
Net Antennae: Track (3540.354mil,918.307mil)(3740.157mil,918.307mil) on Bottom Layer
Net Antennae: Track (3518.701mil,893.701mil)(3740.157mil,893.701mil) on Bottom Layer
Net Antennae: Track (3489.173mil,868.11mil)(3740.157mil,868.11mil) on Bottom Layer
Net Antennae: Track (1761.811mil,-984.252mil)(1761.811mil,-960.63mil) on Bottom Layer
Net Antennae: Track (1214.561mil,-925.191mil)(1466.541mil,-925.191mil) on Bottom Layer
Net Antennae: Track (-750mil,964.567mil)(-618.494mil,964.567mil) on Bottom Layer
Net Antennae: Track (-758.472mil,1168.305mil)(-723.428mil,1133.26mil) on Bottom Layer
Net Antennae: Track (-702.372mil,1161.417mil)(-690.215mil,1149.26mil) on Bottom Layer
Net Antennae: Track (2649.606mil,1704.724mil)(2779.528mil,1834.646mil) on Bottom Layer

Net Antennae (Tolerance=0mil) (All)

Net Antennae: Track (2515.748mil,-566.929mil)(2574.803mil,-507.874mil) on Bottom Layer
Net Antennae: Track (3238.535mil,1557.433mil)(3789.37mil,1557.433mil) on Bottom Layer
Net Antennae: Track (1235.236mil,1224.409mil)(1373.032mil,1086.614mil) on Bottom Layer
Net Antennae: Track (3253.008mil,1483.213mil)(3789.37mil,1483.213mil) on Bottom Layer
Net Antennae: Track (1176.181mil,1963.583mil)(1176.181mil,2134.834mil) on Bottom Layer
Net Antennae: Track (1152.559mil,1967.52mil)(1152.559mil,2118.11mil) on Bottom Layer
Net Antennae: Track (3801.181mil,2382.874mil)(4643.701mil,2382.874mil) on Bottom Layer
Net Antennae: Track (3692.323mil,2074.213mil)(3917.323mil,2299.213mil) on Bottom Layer
Net Antennae: Track (2718.85mil,1391.386mil)(3789.37mil,1391.386mil) on Bottom Layer
Net Antennae: Track (2716.535mil,1437.008mil)(3789.37mil,1437.008mil) on Bottom Layer
Net Antennae: Track (3358.268mil,1185.039mil)(3789.37mil,1185.039mil) on Bottom Layer
Net Antennae: Track (3255.906mil,1153.543mil)(3789.37mil,1153.543mil) on Bottom Layer
Net Antennae: Track (3192.661mil,1453.008mil)(3789.37mil,1453.008mil) on Bottom Layer
Net Antennae: Track (2952.756mil,1657.501mil)(2952.756mil,1863.189mil) on Top Layer
Net Antennae: Track (4683.071mil,793.898mil)(4709.646mil,767.323mil) on Top Layer
Net Antennae: Track (4658.465mil,781.102mil)(4675.196mil,764.371mil) on Top Layer
Net Antennae: Track (2931.701mil,1659.073mil)(2931.701mil,1845.102mil) on Top Layer
Net Antennae: Track (2913.386mil,1714.183mil)(2913.386mil,1840.79mil) on Top Layer
Net Antennae: Track (273.319mil,1987.311mil)(1599.303mil,1987.311mil) on Top Layer
Net Antennae: Track (1868.11mil,1996.063mil)(1868.11mil,2270.068mil) on Top Layer
Net Antennae: Track (1834.646mil,1993.11mil)(1834.646mil,2263.78mil) on Top Layer
Net Antennae: Track (1639.764mil,1994.094mil)(1639.764mil,2209.646mil) on Top Layer
Net Antennae: Track (-279.527mil,2377.953mil)(-188.976mil,2377.953mil) on Top Layer
Net Antennae: Track (3277.559mil,1607.283mil)(3277.559mil,1757.874mil) on Top Layer
Net Antennae: Track (3378.937mil,1131.89mil)(3439.961mil,1131.89mil) on Top Layer
Net Antennae: Track (1296.26mil,-917.323mil)(1494.094mil,-917.323mil) on Top Layer
Net Antennae: Track (-239.173mil,2428.175mil)(-205.683mil,2428.175mil) on Top Layer
Net Antennae: Track (-1003.937mil,2559.055mil)(-673.228mil,2559.055mil) on Top Layer
Net Antennae: Track (3314.709mil,1641.675mil)(3314.709mil,1787.653mil) on Top Layer
Net Antennae: Track (3330.709mil,1648.302mil)(3330.709mil,1811.024mil) on Top Layer
Net Antennae: Track (3297.244mil,1607.283mil)(3297.244mil,1777.559mil) on Top Layer
Net Antennae: Track (3366.051mil,818.807mil)(3740.157mil,818.807mil) on Top Layer
Net Antennae: Track (3382.074mil,799.402mil)(3740.157mil,799.402mil) on Top Layer
Net Antennae: Track (5659.449mil,165.354mil)(5844.011mil,-19.207mil) on Top Layer
Net Antennae: Track (5651.575mil,137.795mil)(5816.929mil,-27.559mil) on Top Layer
Net Antennae: Track (-199.777mil,2402.585mil)(-167.886mil,2434.476mil) on Top Layer
Net Antennae: Track (3236.424mil,507.67mil)(3267.716mil,476.378mil) on Top Layer
Net Antennae: Track (3252.424mil,514.297mil)(3283.716mil,483.005mil) on Top Layer
Net Antennae: Track (3275.59mil,513.759mil)(3299.716mil,489.633mil) on Top Layer
Net Antennae: Track (5046.071mil,1709.457mil)(5190.01mil,1709.457mil) on Top Layer
Net Antennae: Track (2298.071mil,486.664mil)(2358.651mil,547.244mil) on Signal Layer 2
Net Antennae: Track (2889.764mil,2381.89mil)(2889.764mil,2590.551mil) on Signal Layer 2
Net Antennae: Track (2320.071mil,422.433mil)(2417.323mil,519.685mil) on Signal Layer 2