

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))

Design Rules Verification Report

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

Warnings 22
Rule Violations 305

Warnings	
Your board contains 18 shelved polygons - copper connectivity will not be reported correctly. Unshelve polygons and	18
Unplated multi-layer pad(s) detected	4
Total	22

Rule Violations	
Room Z1 (Bounding Region = (59.69mm, 194.69mm, 112.19mm, 220.69mm) (Disabled)(InComponentClass('Z1'))	0
Room Z7 (Bounding Region = (147.19mm, 187.19mm, 200.94mm, 220.94mm) (Disabled)(InComponentClass('Z7'))	0
Room Z2 (Bounding Region = (112.19mm, 204.69mm, 146.19mm, 220.69mm) (Disabled)(InComponentClass('Z2'))	0
Room Z6 (Bounding Region = (165.94mm, 153.08mm, 200.94mm, 185.58mm) (Disabled)(InComponentClass('Z6'))	0
Component Clearance Constraint (Horizontal Gap = 0mm, Vertical Gap = 0mm)	0
Component Clearance Constraint (Horizontal Gap = 0mm, Vertical Gap = 0mm)	0
Width Constraint (Min=0.2032mm) (Max=1.6256mm) (Preferred=0.2032mm) (InNetClass('HVV'))	0
Width Constraint (Min=0.2032mm) (Max=1.6256mm) (Preferred=0.2032mm) (InNetClass('PWR'))	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint (All)	117
Clearance Constraint (Gap=0.2032mm) (All),(All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Width Constraint (Min=0.1778mm) (Max=0.3048mm) (Preferred=0.2032mm) (All)	0
Component Clearance Constraint (Horizontal Gap = 0.0254mm, Vertical Gap = 0.254mm) (All),(All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Preferred=12.7mm) (All)	0
Hole Size Constraint (Min=0.2032mm) (Max=6.35mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Silk To Solder Mask (Clearance=0.0508mm) (IsPad),(All)	2
Silk to Silk (Clearance=0.127mm) (All),(All)	24
Net Antennae (Tolerance=0mm) (All)	144
Modified Polygon (Allow modified: No), (Allow shelved: No)	18
Clearance Constraint (Gap=0mm) (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=0.2032mm) (Max=3.048mm) (Preferred=0.2032mm) (InComponent('MTGH*'))	0
Total	305

Your board contains 18 shelved polygons - copper connectivity will not be reported correctly. Unshelve polygons and i

Polygon named: LT8608_NetC403_2 In net NetC403_2 On Signal Layer 2

Polygon named: LT3652_VBAT_INT In net VBAT_INT On Signal Layer 2

Polygon named: 3V3 Plane 1 In net 3V3 On Signal Layer 2

Polygon named: VCC_ESP In net VCC_ESP On Signal Layer 2

Polygon named: GND Plane In net GND On Signal Layer 1

Polygon named: LT8608_VBAT_INT_Top In net VBAT_INT On Top Layer

Polygon named: LT8608_NetC403_2 In net NetC403_2 On Top Layer

Polygon named: LT8608_VBAT_INT_Top In net VBAT_INT On Top Layer

Polygon named: LT8608_NetC400_2 In net NetC400_2 On Top Layer

Polygon named: LT8608_NetC400_1 In net NetC400_1 On Top Layer

Polygon named: Top Layer-SPECT_SHIELD In net GND On Top Layer

Polygon named: LT3652_SW In net SW On Top Layer

Polygon named: LT3652_SENSE In net SENSE On Top Layer

Polygon named: LT3652_VBAT_INT In net VBAT_INT On Top Layer

Polygon named: LT3652_VIN In net VIN On Top Layer

Polygon named: Bottom Layer-GND 1 In net GND On Bottom Layer

Polygon named: Bottom Layer-GND 2 In net GND On Bottom Layer

Polygon named: LT3652_VIND In net NetD201_1 On Bottom Layer

Unplated multi-layer pad(s) detected

Pad MTGH1-1(5mm,5mm) on Multi-Layer on Net GND

Pad MTGH2-1(5mm,65mm) on Multi-Layer on Net GND

Pad MTGH3-1(135mm,65mm) on Multi-Layer on Net GND

Pad MTGH4-1(100mm,5mm) on Multi-Layer on Net GND

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net NeU101_3 Between Pad R104-1(38.1mm,-17.875mm) on Bottom Layer And Pad J101-3(40.84mm,-12.55mm) on Bottom
Un-Routed Net Constraint: Net NeU101_1 Between Pad J101-1(43.38mm,-12.55mm) on Bottom Layer And Pad R105-1(44.5mm,-17.775mm) on Bottom
Un-Routed Net Constraint: Net WIFI_TX Between Track (84.1936mm,39.1985mm)(84.1936mm,42.9064mm) on Top Layer And Pad
Un-Routed Net Constraint: Net WIFI_RX Between Track (69.75mm,38.325mm)(69.75mm,39.75mm) on Top Layer And Pad JP700-1(92.5mm,41.25mm) on
Un-Routed Net Constraint: Net VCC_ESP Between Pad C701-1(96.9mm,47.9mm) on Top Layer And Pad SJ700-2(97.825mm,45.55mm) on Bottom Layer
Un-Routed Net Constraint: Net VBAT_INT Between Track (27.775mm,56.725mm)(27.775mm,57.55mm) on Signal Layer 2 And Pad
Un-Routed Net Constraint: Net SWO Between Track (71.325mm,40.075mm)(71.75mm,39.65mm) on Top Layer And Pad SJ109-1(86.2mm,49.5mm) on
Un-Routed Net Constraint: Net SWDIO Between Pad SJ107-1(81.075mm,49.45mm) on Bottom Layer And Track (84.6mm,39.3669mm)(84.6mm,43.5mm)
Un-Routed Net Constraint: Net SWCLK Between Pad SJ106-1(76.025mm,49.5mm) on Bottom Layer And Track (83.75mm,38.325mm)(83.75mm,42.65mm)
Un-Routed Net Constraint: Net SPEC T1 Between Track (85.1mm,19.1mm)(87.7mm,16.5mm) on Signal Layer 2 And Track
Un-Routed Net Constraint: Net SPEC T0 Between Track (85.2683mm,19.5064mm)(87.5747mm,17.2mm) on Signal Layer 2 And Track
Un-Routed Net Constraint: Net SD_NWE_T Between Track (31.375mm,28.6mm)(34.875mm,25.1mm) on Bottom Layer And Via (53.1mm,25.1mm) from
Un-Routed Net Constraint: Net PWR_FAULT_L Between Pad TP209-1(3.75mm,37.75mm) on Top Layer And Pad D204-2(9mm,37.75mm) on Top Layer
Un-Routed Net Constraint: Net PWR_FAULT_L Between Pad D204-2(9mm,37.75mm) on Top Layer And Track
Un-Routed Net Constraint: Net PWR_FAULT_L Between Track (29.875mm,44.875mm)(29.875mm,49.2248mm) on Bottom Layer And Track
Un-Routed Net Constraint: Net PWR_CHRG_L Between Pad TP208-1(3.75mm,42mm) on Top Layer And Pad D203-2(9mm,42mm) on Top Layer
Un-Routed Net Constraint: Net PWR_CHRG_L Between Pad D203-2(9mm,42mm) on Top Layer And Track (29.275mm,44.975mm)(29.275mm,48.8mm) on
Un-Routed Net Constraint: Net PWR_CHRG_L Between Track (29.275mm,44.975mm)(29.275mm,48.8mm) on Bottom Layer And Track
Un-Routed Net Constraint: Net PV_SHDN_L Between Track (5mm,47.42mm)(6.9423mm,45.4777mm) on Top Layer And Track
Un-Routed Net Constraint: Net PB15 Between Pad U100-76(85.825mm,20.25mm) on Top Layer And Pad J102-7(117.38mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net PB14 Between Pad U100-75(85.825mm,19.75mm) on Top Layer And Pad J102-5(119.92mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net PB13 Between Pad U100-74(85.825mm,19.25mm) on Top Layer And Pad J102-3(122.46mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net NRST Between Pad C124-1(66.75mm,48.6mm) on Top Layer And Pad R107-2(68.75mm,48.375mm) on Top Layer
Un-Routed Net Constraint: Net NRST Between Pad SW101-1(64.1mm,49.25mm) on Top Layer [Unplated] And Pad C124-1(66.75mm,48.6mm) on Top
Un-Routed Net Constraint: Net NRST Between Pad R107-2(68.75mm,48.375mm) on Top Layer And Track (67.5mm,40.1mm)(71.2088mm,43.8088mm) on
Un-Routed Net Constraint: Net NRST Between Pad R107-2(68.75mm,48.375mm) on Top Layer And Pad SJ108-1(83.625mm,49.45mm) on Bottom Layer
Un-Routed Net Constraint: Net NeU103_1 Between Pad R106-2(70.75mm,48.375mm) on Top Layer And Pad J103-1(74.75mm,47.75mm) on Top Layer
Un-Routed Net Constraint: Net NeU100_3 Between Pad R102-1(18.325mm,6.175mm) on Top Layer And Pad J100-3(18.33mm,3.5mm) on Multi-Layer
Un-Routed Net Constraint: Net NeD301_1 Between Pad D301-1(71mm,-9.25mm) on Top Layer And Pad R304-2(74mm,-10.875mm) on Top Layer
Un-Routed Net Constraint: Net MCO2_T Between Pad R110-2(91.475mm,30.3mm) on Top Layer And Pad J102-1(125mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net LED3 Between Pad U100-80(85.825mm,22.25mm) on Top Layer And Pad J102-15(107.22mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net LED2 Between Pad U100-81(85.825mm,22.75mm) on Top Layer And Pad J102-13(109.76mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net LED1 Between Pad U100-82(85.825mm,23.25mm) on Top Layer And Pad J102-11(112.3mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net LED0 Between Pad TP306-1(67mm,-10mm) on Top Layer And Pad R304-1(74mm,-9.125mm) on Top Layer
Un-Routed Net Constraint: Net LED0 Between Pad R304-1(74mm,-9.125mm) on Top Layer And Pad U100-88(85.825mm,26.25mm) on Top Layer
Un-Routed Net Constraint: Net LED0 Between Pad R304-1(74mm,-9.125mm) on Top Layer And Pad J102-9(114.84mm,-16.75mm) on Bottom Layer
Un-Routed Net Constraint: Net I2C2_SDA Between Pad TP300-1(3.75mm,33.75mm) on Top Layer And Pad R300-2(8.025mm,35.6mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SDA Between Pad R300-2(8.025mm,35.6mm) on Top Layer And Pad U301-7(20.825mm,38.55mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SDA Between Pad U301-7(20.825mm,38.55mm) on Top Layer And Pad U203-5(46.6mm,52.5mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SDA Between Pad U300-5(54.45mm,50.775mm) on Top Layer And Pad U100-70(82.75mm,16.675mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SCL Between Pad TP301-1(3.75mm,30mm) on Top Layer And Pad R301-2(8.025mm,31.9mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SCL Between Pad R301-2(8.025mm,31.9mm) on Top Layer And Pad U301-8(21.475mm,38.55mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_SCL Between Pad U301-8(21.475mm,38.55mm) on Top Layer And Track (41.65mm,51.125mm)(43.025mm,52.5mm)
Un-Routed Net Constraint: Net I2C2_SCL Between Track (55.2762mm,50.2552mm)(55.675mm,50.6539mm) on Top Layer And Track
Un-Routed Net Constraint: Net I2C2_ALERT Between Pad TP302-1(3.75mm,26.25mm) on Top Layer And Pad R302-2(8.025mm,28.1mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_ALERT Between Pad R302-2(8.025mm,28.1mm) on Top Layer And Pad U301-6(20.175mm,38.55mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_ALERT Between Pad U301-6(20.175mm,38.55mm) on Top Layer And Pad U203-6(46.6mm,53mm) on Top Layer
Un-Routed Net Constraint: Net I2C2_ALERT Between Pad U300-7(54.45mm,52.075mm) on Top Layer And Track
Un-Routed Net Constraint: Net GND Between Via (88.1mm,23.825mm) from Top Layer to Bottom Layer And Pad C117-2(89.625mm,24.225mm) on Top
Un-Routed Net Constraint: Net GND Between Pad J101-4(40.84mm,-7.216mm) on Bottom Layer And Pad J101-2(43.38mm,-7.216mm) on Bottom Layer
Un-Routed Net Constraint: Net GND Between Pad J102-6(119.92mm,-11.416mm) on Bottom Layer And Pad J102-4(122.46mm,-11.416mm) on Bottom
Un-Routed Net Constraint: Net GND Between Pad J102-4(122.46mm,-11.416mm) on Bottom Layer And Pad J102-2(125mm,-11.416mm) on Bottom Layer

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net GND Between Pad J102-8(117.38mm,-11.416mm) on Bottom Layer And Pad J102-6(119.92mm,-11.416mm) on Bottom
Un-Routed Net Constraint: Net GND Between Pad C303-2(17.75mm,40.1mm) on Top Layer And Pad U301-5(19.525mm,38.55mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad C301-2(51.075mm,46.75mm) on Top Layer And Pad C302-2(54.9mm,46.65mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (154.95mm,-9.5mm)(154.95mm,-9.0207mm) on Top Layer And Via (157.25mm,-11.2mm) from Top
Un-Routed Net Constraint: Net GND Between Pad C106-2(10.85mm,11mm) on Top Layer And Pad SW100-2(11.15mm,15.5mm) on Top Layer [Unplated]
Un-Routed Net Constraint: Net GND Between Pad J102-16(107.22mm,-11.416mm) on Bottom Layer And Pad J102-12(112.3mm,-11.416mm) on Bottom
Un-Routed Net Constraint: Net GND Between Pad C302-2(54.9mm,46.65mm) on Top Layer And Pad SW101-2(57.4mm,49.25mm) on Top Layer [Unplated]
Un-Routed Net Constraint: Net GND Between Pad C504-2(22.325mm,15.5mm) on Top Layer And Pad TP105-1(23.5mm,10mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad C122-2(96.75mm,-16.5mm) on Top Layer And Pad C123-2(99.35mm,-22mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad C124-2(66.75mm,49.9mm) on Top Layer And Pad R405-2(68.475mm,56.3mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J101-2(43.38mm,-7.216mm) on Bottom Layer And Pad TP106-1(53.825mm,-9.3mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad D301-2(71mm,-10.75mm) on Top Layer And Pad TP303-1(80mm,-7mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J400-4(76.3mm,66.5mm) on Multi-Layer And Pad TP401-1(77mm,80mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (7mm,7mm)(8.5mm,8.5mm) on Top Layer And Pad C106-2(10.85mm,11mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-12(112.3mm,-11.416mm) on Bottom Layer And Pad J102-8(117.38mm,-11.416mm) on Bottom
Un-Routed Net Constraint: Net GND Between Pad VR200-2(17.4mm,46.9073mm) on Top Layer And Pad C303-2(17.75mm,40.1mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (96.75mm,-16.5mm)(96.75mm,-15.65mm) on Top Layer And Pad J102-16(107.22mm,-11.416mm) on
Un-Routed Net Constraint: Net GND Between Pad TP106-1(53.825mm,-9.3mm) on Top Layer And Pad D301-2(71mm,-10.75mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Pad J102-2(125mm,-11.416mm) on Bottom Layer And Pad D300-1(146.45mm,-9.05mm) on Top Layer
Un-Routed Net Constraint: Net GND Between Track (103.5mm,1.5mm)(103.5mm,1.5mm) on Top Layer And Pad J102-16(107.22mm,-11.416mm) on
Un-Routed Net Constraint: Net GND Between Track (78.675mm,13mm)(78.675mm,13.05mm) on Top Layer And Pad TP303-1(80mm,-7mm) on Top Layer
Un-Routed Net Constraint: Unplated Pad MTGH1-1(5mm,5mm) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH2-1(5mm,65mm) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH4-1(100mm,5mm) on Multi-Layer
Un-Routed Net Constraint: Unplated Pad MTGH3-1(135mm,65mm) on Multi-Layer
Un-Routed Net Constraint: Net EXTRA_TX Between Pad R104-2(38.1mm,-16.125mm) on Bottom Layer And Track
Un-Routed Net Constraint: Net EXTRA_RX Between Pad R105-2(44.5mm,-16.025mm) on Bottom Layer And Track
Un-Routed Net Constraint: Net DP Between Pad Q300-3(21.6mm,50.825mm) on Bottom Layer And Pad Q300-2(23.4mm,50.825mm) on Bottom Layer
Un-Routed Net Constraint: Net DP Between Pad U301-2(20.825mm,42.95mm) on Top Layer And Pad Q300-3(21.6mm,50.825mm) on Bottom Layer
Un-Routed Net Constraint: Net DN Between Pad U301-3(20.175mm,42.95mm) on Top Layer And Pad Q300-1(22.5mm,53.175mm) on Bottom Layer
Un-Routed Net Constraint: Net DEBUG_TX Between Pad TP100-1(3.8mm,15mm) on Top Layer And Pad R101-2(15.8mm,7.9mm) on Top Layer
Un-Routed Net Constraint: Net DEBUG_TX Between Pad R101-2(15.8mm,7.9mm) on Top Layer And Track (61.1mm,11.8mm)(62.8mm,10.1mm) on Bottom
Un-Routed Net Constraint: Net NetU100_2 Between Pad J100-2(15.79mm,3.5mm) on Multi-Layer And Pad R101-1(15.8mm,6.15mm) on Top Layer
Un-Routed Net Constraint: Net DEBUG_RX Between Pad TP101-1(3.8mm,11.4mm) on Top Layer And Pad R102-2(18.325mm,7.925mm) on Top Layer
Un-Routed Net Constraint: Net DEBUG_RX Between Pad R102-2(18.325mm,7.925mm) on Top Layer And Track (61.8mm,12.3mm)(61.9mm,12.3mm) on
Un-Routed Net Constraint: Net CAM_SDA Between Track (127.11mm,10.93mm)(132.96mm,10.93mm) on Top Layer And Pad
Un-Routed Net Constraint: Net CAM_SCL Between Track (134.23mm,9.66mm)(135.5mm,10.93mm) on Top Layer And Pad TP601-1(150.3mm,29mm) on
Un-Routed Net Constraint: Net CAM_PWDN Between Pad U100-87(85.825mm,25.75mm) on Top Layer And Pad J600-17(135.5mm,28.71mm) on
Un-Routed Net Constraint: Net CAM_PCLK Between Track (91.2097mm,18.2mm)(120.61mm,18.2mm) on Bottom Layer And Pad
Un-Routed Net Constraint: Net BTN0 Between Pad C106-1(12.15mm,11mm) on Top Layer And Pad SW100-1(17.85mm,15.5mm) on Top Layer [Unplated]
Un-Routed Net Constraint: Net BTN0 Between Pad SW100-1(17.85mm,15.5mm) on Top Layer [Unplated] And Pad U100-7(64.175mm,33.25mm) on Top
Un-Routed Net Constraint: Net 3V3 Between Pad R107-1(68.75mm,50.125mm) on Top Layer And Pad R106-1(70.75mm,50.125mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Track (85.825mm,24.25mm)(87.425mm,24.25mm) on Top Layer And Pad C117-1(90.925mm,24.225mm) on
Un-Routed Net Constraint: Net 3V3 Between Pad R301-1(9.775mm,31.9mm) on Top Layer And Pad R300-1(9.775mm,35.6mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Pad R302-1(9.775mm,28.1mm) on Top Layer And Pad R301-1(9.775mm,31.9mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Pad C117-1(90.925mm,24.225mm) on Top Layer And Pad C118-1(90.95mm,28.6mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Pad J102-14(109.76mm,-11.416mm) on Bottom Layer And Pad J102-10(114.84mm,-11.416mm) on Bottom
Un-Routed Net Constraint: Net 3V3 Between Track (22.325mm,34.5mm)(22.325mm,35.1mm) on Top Layer And Pad SJ300-1(24.9mm,39.725mm) on
Un-Routed Net Constraint: Net 3V3 Between Via (96.75mm,-18.65mm) from Top Layer to Bottom Layer And Pad C123-1(100.65mm,-22mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Pad TP104-1(76.8mm,73.2mm) on Top Layer And Pad J400-3(78.84mm,66.5mm) on Multi-Layer
Un-Routed Net Constraint: Pad R701-2(96.925mm,56.7487mm) on Top Layer
Un-Routed Net Constraint: Net 3V3 Between Pad J600-1(135.5mm,8.39mm) on Multi-Layer And Track (159.1mm,-7.8mm)(159.1mm,-6.6mm) on Top Layer

Un-Routed Net Constraint (All)

Un-Routed Net Constraint: Net 3V3 Between Pad R106-1(70.75mm,50.125mm) on Top Layer And Track (73.3mm,43.225mm)(73.3mm,44.05mm) on Top

Un-Routed Net Constraint: Net 3V3 Between Pad R301-1(9.775mm,31.9mm) on Top Layer And Track (20.85mm,32.125mm)(20.85mm,33.025mm) on Top

Un-Routed Net Constraint: Net 3V3 Between Pad C122-1(96.75mm,-17.8mm) on Top Layer And Pad J102-14(109.76mm,-11.416mm) on Bottom Layer

Un-Routed Net Constraint: Net 3V3 Between Pad J102-10(114.84mm,-11.416mm) on Bottom Layer And Track

Un-Routed Net Constraint: Net 3V3_P Between Pad U301-1(21.475mm,42.95mm) on Top Layer And Pad SJ300-2(24.9mm,41.475mm) on Bottom Layer

Un-Routed Net Constraint: Net 3V3_P Between Pad U300-8(54.45mm,52.725mm) on Top Layer And Pad C302-1(54.9mm,47.95mm) on Top Layer

Un-Routed Net Constraint: Net 3V3_P Between Pad C303-1(17.75mm,41.4mm) on Top Layer And Pad U301-1(21.475mm,42.95mm) on Top Layer

Un-Routed Net Constraint: Net 3V3_P Between Pad SJ300-2(24.9mm,41.475mm) on Bottom Layer And Pad C302-1(54.9mm,47.95mm) on Top Layer

Un-Routed Net Constraint: Net 3V3_PG Between Track (73.4mm,55.5mm)(73.4mm,60.8mm) on Signal Layer 2 And Track

Un-Routed Net Constraint: Net NetD203_1 Between Pad D203-1(7.5mm,42mm) on Top Layer And Track (23mm,46.7mm)(23mm,47.625mm) on Top Layer

Un-Routed Net Constraint: Net NetD204_1 Between Pad D204-1(7.5mm,37.75mm) on Top Layer And Track (25mm,46.7mm)(25mm,47.625mm) on Top

Un-Routed Net Constraint: Net NetJP700_2 Between Pad JP700-2(92.5mm,43.79mm) on Multi-Layer And Track

Un-Routed Net Constraint: Net NetJP700_4 Between Pad JP700-4(95.04mm,43.79mm) on Multi-Layer And Track

Silk To Solder Mask (Clearance=0.0508mm) (IsPad),(All)

Silk To Solder Mask Clearance Constraint: (Collision < 0.0508mm) Between Text "SJ100" (49.125mm,34.175mm) on Top Overlay And Pad

Silk To Solder Mask Clearance Constraint: (0.0214mm < 0.0508mm) Between Text "J701" (132.65mm,53.43mm) on Bottom Overlay And Pad

Silk to Silk (Clearance=0.127mm) (All),(All)

Silk To Silk Clearance Constraint: (0.0958mm < 0.127mm) Between Text "D5" (127.753mm,21.852mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1035mm < 0.127mm) Between Text "D3" (127.753mm,24.519mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.0858mm < 0.127mm) Between Text "PWDN" (125.975mm,27.059mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1016mm < 0.127mm) Between Text "C112" (80.5mm,10.8mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "C116" (83.775mm,10.95mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1227mm < 0.127mm) Between Text "ALERT" (2.25mm,27.5mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.015mm < 0.127mm) Between Text "C402" (70.9mm,58.8mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.115mm < 0.127mm) Between Text "C401" (71mm,57.4993mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.015mm < 0.127mm) Between Text "C402" (70.9mm,58.8mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1159mm < 0.127mm) Between Text "C407" (58.3mm,55.7mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.115mm < 0.127mm) Between Text "C116" (83.775mm,10.95mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.115mm < 0.127mm) Between Text "C116" (83.775mm,10.95mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1244mm < 0.127mm) Between Text "C121" (75.1mm,41mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1244mm < 0.127mm) Between Text "C121" (75.1mm,41mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1244mm < 0.127mm) Between Text "U302" (156.6mm,-10mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1251mm < 0.127mm) Between Text "U302" (156.6mm,-10mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (0.1244mm < 0.127mm) Between Text "U302" (156.6mm,-10mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "C701" (97.475mm,43.3mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "C701" (97.475mm,43.3mm) on Top Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "SJ107" (80.575mm,43.825mm) on Bottom Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "SJ107" (80.575mm,43.825mm) on Bottom Overlay And Track

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "JP700" (97.725mm,40.15mm) on Top Overlay And Text "C701"

Silk To Silk Clearance Constraint: (0.065mm < 0.127mm) Between Text "C401" (71mm,57.4993mm) on Top Overlay And Text "C402" (70.9mm,58.8mm) on

Silk To Silk Clearance Constraint: (Collision < 0.127mm) Between Text "R108" (80.9mm,41.025mm) on Bottom Overlay And Text "SJ107"

Net Antennae (Tolerance=0mm) (All)
Net Antennae: Via (50.05mm,50.225mm) from Top Layer to Bottom Layer
Net Antennae: Via (88.441mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (85.891mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (83.341mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (80.816mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.284mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (75.734mm,53.084mm) from Top Layer to Bottom Layer
Net Antennae: Via (74.75mm,50.375mm) from Top Layer to Bottom Layer
Net Antennae: Via (86.025mm,59.625mm) from Top Layer to Bottom Layer
Net Antennae: Via (86.1mm,61.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (81.25mm,61.55mm) from Top Layer to Bottom Layer
Net Antennae: Via (81.175mm,59.575mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.35mm,62.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (84.425mm,16.275mm) from Top Layer to Bottom Layer
Net Antennae: Via (84.55mm,11mm) from Top Layer to Bottom Layer
Net Antennae: Via (84.55mm,13.95mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.675mm,13.95mm) from Top Layer to Bottom Layer
Net Antennae: Via (73.175mm,11.825mm) from Top Layer to Bottom Layer
Net Antennae: Via (66.525mm,11.825mm) from Top Layer to Bottom Layer
Net Antennae: Via (66.525mm,13.125mm) from Top Layer to Bottom Layer
Net Antennae: Via (57.625mm,16.725mm) from Top Layer to Bottom Layer
Net Antennae: Via (57.05mm,39.8mm) from Top Layer to Bottom Layer
Net Antennae: Via (61.375mm,21.475mm) from Top Layer to Bottom Layer
Net Antennae: Via (71.325mm,40.075mm) from Top Layer to Bottom Layer
Net Antennae: Via (78mm,41.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (73.3mm,44.05mm) from Top Layer to Bottom Layer
Net Antennae: Via (87.15mm,35.75mm) from Top Layer to Bottom Layer
Net Antennae: Via (116.95mm,13.54mm) from Top Layer to Bottom Layer
Net Antennae: Via (116.975mm,11.64mm) from Top Layer to Bottom Layer
Net Antennae: Via (123.5mm,10.64mm) from Top Layer to Bottom Layer
Net Antennae: Via (121.5mm,10.64mm) from Top Layer to Bottom Layer
Net Antennae: Via (123.5mm,5.64mm) from Top Layer to Bottom Layer
Net Antennae: Via (121.5mm,5.64mm) from Top Layer to Bottom Layer
Net Antennae: Via (75.3mm,62.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (74.7mm,60.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (61.4mm,67mm) from Top Layer to Bottom Layer
Net Antennae: Via (60.8mm,67.8mm) from Top Layer to Bottom Layer
Net Antennae: Via (62mm,67.8mm) from Top Layer to Bottom Layer
Net Antennae: Via (71.225mm,57.9mm) from Top Layer to Bottom Layer
Net Antennae: Via (71.225mm,59.3mm) from Top Layer to Bottom Layer
Net Antennae: Via (70.825mm,60.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.25mm,65.25mm) from Top Layer to Bottom Layer
Net Antennae: Via (69.4mm,56.3mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.125mm,56.225mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.425mm,62.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.1mm,63.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.45mm,64.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.375mm,55.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.375mm,56.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.375mm,57.6088mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.375mm,58.5412mm) from Top Layer to Bottom Layer
Net Antennae: Via (26.4mm,53.65mm) from Top Layer to Bottom Layer

Net Antennae (Tolerance=0mm) (All)
Net Antennae: Via (26.4mm,54.75mm) from Top Layer to Bottom Layer
Net Antennae: Via (27.5mm,53.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (27.5mm,54.75mm) from Top Layer to Bottom Layer
Net Antennae: Via (28.6mm,53.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (28.6mm,54.75mm) from Top Layer to Bottom Layer
Net Antennae: Via (63.5mm,60.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (64.5mm,60.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (63.5mm,61.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (64.5mm,61.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (23mm,46.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (25mm,46.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (151.25mm,-2.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (67mm,42.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (87.425mm,24.25mm) from Top Layer to Bottom Layer
Net Antennae: Via (96.75mm,-18.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (96.75mm,-15.65mm) from Top Layer to Bottom Layer
Net Antennae: Via (151.25mm,-13.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (157.25mm,-4.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (157.25mm,-11.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.325mm,15.925mm) from Top Layer to Bottom Layer
Net Antennae: Via (58.5mm,35.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (116.2mm,47.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (119.3mm,45.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (41.625mm,18.55mm) from Top Layer to Bottom Layer
Net Antennae: Via (34.325mm,15.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (24.05mm,16.525mm) from Top Layer to Bottom Layer
Net Antennae: Via (21.575mm,15.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (24.5mm,34.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (22.325mm,35.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (32.025mm,35.175mm) from Top Layer to Bottom Layer
Net Antennae: Via (34.1mm,34.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (36.175mm,35.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (37.475mm,35.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (42.375mm,34.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (40.325mm,35.175mm) from Top Layer to Bottom Layer
Net Antennae: Via (59.05mm,39.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (62mm,39.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (73.7062mm,15.3562mm) from Top Layer to Bottom Layer
Net Antennae: Via (62.5999mm,21.1998mm) from Top Layer to Bottom Layer
Net Antennae: Via (20.85mm,18.375mm) from Top Layer to Bottom Layer
Net Antennae: Via (77.75mm,39.95mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.4791mm,39.9555mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.25mm,15.075mm) from Top Layer to Bottom Layer
Net Antennae: Via (78.9791mm,15.0543mm) from Top Layer to Bottom Layer
Net Antennae: Via (154.95mm,-9.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (159.1mm,-6.6mm) from Top Layer to Bottom Layer
Net Antennae: Via (41.65mm,31.925mm) from Top Layer to Bottom Layer
Net Antennae: Via (7.775mm,57.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (11.3mm,62.5mm) from Top Layer to Bottom Layer
Net Antennae: Via (11.3257mm,59.4743mm) from Top Layer to Bottom Layer
Net Antennae: Via (11.3513mm,56.4487mm) from Top Layer to Bottom Layer
Net Antennae: Via (18.5mm,48mm) from Top Layer to Bottom Layer

Net Antennae (Tolerance=0mm) (All)
Net Antennae: Via (34.1mm,52.2mm) from Top Layer to Bottom Layer
Net Antennae: Via (30.6mm,46.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (34.5mm,46.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (27mm,46.7mm) from Top Layer to Bottom Layer
Net Antennae: Via (45.1mm,54.75mm) from Top Layer to Bottom Layer
Net Antennae: Via (95.775mm,60.4mm) from Top Layer to Bottom Layer
Net Antennae: Via (88.8mm,36.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (91.8mm,36.1mm) from Top Layer to Bottom Layer
Net Antennae: Via (120.61mm,18.2mm) from Top Layer to Bottom Layer
Net Antennae: Track (77.4336mm,10.5412mm)(78.7064mm,9.2683mm) on Bottom Layer
Net Antennae: Track (77.3mm,10.1mm)(78.3mm,9.1mm) on Bottom Layer
Net Antennae: Track (84.45mm,20.95mm)(84.45mm,22.4mm) on Bottom Layer
Net Antennae: Track (67.5mm,40.1mm)(71.2088mm,43.8088mm) on Bottom Layer
Net Antennae: Track (67.3mm,40.8mm)(70.6mm,44.1mm) on Bottom Layer
Net Antennae: Track (31.375mm,28.6mm)(34.875mm,25.1mm) on Bottom Layer
Net Antennae: Track (29.875mm,44.875mm)(29.875mm,49.2248mm) on Bottom Layer
Net Antennae: Track (29.275mm,44.975mm)(29.275mm,48.8mm) on Bottom Layer
Net Antennae: Track (96.55mm,55.525mm)(117.95mm,55.525mm) on Bottom Layer
Net Antennae: Track (99.5mm,53.4mm)(118.9276mm,53.4mm) on Bottom Layer
Net Antennae: Track (41.65mm,51.125mm)(43.025mm,52.5mm) on Top Layer
Net Antennae: Track (75mm,39.6005mm)(75mm,44.825mm) on Top Layer
Net Antennae: Track (74.4652mm,39.6405mm)(74.4652mm,44.3656mm) on Top Layer
Net Antennae: Track (74mm,41.0403mm)(74mm,44.2561mm) on Top Layer
Net Antennae: Track (5mm,47.42mm)(6.9423mm,45.4777mm) on Top Layer
Net Antennae: Track (83.25mm,38.325mm)(83.25mm,42.15mm) on Top Layer
Net Antennae: Track (85.825mm,26.25mm)(87.375mm,26.25mm) on Top Layer
Net Antennae: Track (84.1936mm,39.1985mm)(84.1936mm,42.9064mm) on Top Layer
Net Antennae: Track (84.6mm,39.3669mm)(84.6mm,43.5mm) on Top Layer
Net Antennae: Track (83.75mm,38.325mm)(83.75mm,42.65mm) on Top Layer
Net Antennae: Track (143.75mm,-0.8mm)(148.4379mm,-5.4879mm) on Top Layer
Net Antennae: Track (143.55mm,-1.5mm)(147.75mm,-5.7mm) on Top Layer
Net Antennae: Track (82.2052mm,10.3948mm)(83mm,9.6mm) on Top Layer
Net Antennae: Track (82.6116mm,10.5632mm)(83.4064mm,9.7683mm) on Top Layer
Net Antennae: Track (83.2mm,10.5495mm)(83.8128mm,9.9367mm) on Top Layer
Net Antennae: Track (128.1702mm,38.4202mm)(131.8263mm,38.4202mm) on Top Layer
Net Antennae: Track (58.371mm,9.8613mm)(59.9097mm,11.4mm) on Signal Layer 2
Net Antennae: Track (73.4mm,55.5mm)(73.4mm,60.8mm) on Signal Layer 2
Net Antennae: Track (58.9298mm,8.2298mm)(61.4mm,10.7mm) on Signal Layer 2
Net Antennae: Track (85.2683mm,19.5064mm)(87.5747mm,17.2mm) on Signal Layer 2
Net Antennae: Track (85.1mm,19.1mm)(87.7mm,16.5mm) on Signal Layer 2

Modified Polygon (Allow modified: No), (Allow shelved: No)
Modified Polygon: Polygon Shelved (LT8608_NetC403_2) on Signal Layer 2
Modified Polygon: Polygon Shelved (LT3652_VBAT_INT) on Signal Layer 2
Modified Polygon: Polygon Shelved (3V3 Plane 1) on Signal Layer 2
Modified Polygon: Polygon Shelved (VCC_ESP) on Signal Layer 2
Modified Polygon: Polygon Shelved (GND Plane) on Signal Layer 1
Modified Polygon: Polygon Shelved (LT8608_VBAT_INT_Top) on Top Layer
Modified Polygon: Polygon Shelved (LT8608_NetC403_2) on Top Layer
Modified Polygon: Polygon Shelved (LT8608_VBAT_INT_Top) on Top Layer
Modified Polygon: Polygon Shelved (LT8608_NetC400_2) on Top Layer
Modified Polygon: Polygon Shelved (LT8608_NetC400_1) on Top Layer
Modified Polygon: Polygon Shelved (Top Layer-SPECT_SHIELD) on Top Layer
Modified Polygon: Polygon Shelved (LT3652_SW) on Top Layer
Modified Polygon: Polygon Shelved (LT3652_SENSE) on Top Layer
Modified Polygon: Polygon Shelved (LT3652_VBAT_INT) on Top Layer
Modified Polygon: Polygon Shelved (LT3652_VIN) on Top Layer
Modified Polygon: Polygon Shelved (Bottom Layer-GND 1) on Bottom Layer
Modified Polygon: Polygon Shelved (Bottom Layer-GND 2) on Bottom Layer
Modified Polygon: Polygon Shelved (LT3652_VIND) on Bottom Layer