

Design Rules Verification Report

Filename : C:\Users\Gaming\Documents\TeamPhantom\Sensors\DAQ-2-A\DAQ-2-A.PcbL

Warnings 3
Rule Violations 274

Warnings	
Design contains shelved or modified (but not repoured) polygons. The result of DRC is not correct. Recommended to	3
Total	3

Rule Violations	
Clearance Constraint (Gap=0.127mm) (IsStitchingVia and InNet('HV_GND')), (IsVia and (Not IsStitchingVia)) Or IsPad	0
Clearance Constraint (Gap=0.127mm) (All), (All)	0
Short-Circuit Constraint (Allowed=No) (All), (All)	0
Un-Routed Net Constraint (All)	181
Modified Polygon (Allow modified: No), (Allow shelved: No)	3
Width Constraint (Min=0.13mm) (Max=25.4mm) (Preferred=0.152mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.3mm) (Conductor Width=0.254mm) (Air Gap=0.127mm)	0
Power Plane Connect Rule(Direct Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Minimum Annular Ring (Minimum=0.076mm) (All)	0
Hole Size Constraint (Min=0.3mm) (Max=6.3mm) (All)	0
Hole To Hole Clearance (Gap=0.25mm) (All), (All)	0
Minimum Solder Mask Sliver (Gap=0mm) (All), (All)	0
Silk To Solder Mask (Clearance=0mm) (IsPad), (All)	0
Silk to Silk (Clearance=0mm) (All), (All)	0
Net Antennae (Tolerance=0mm) (All)	0
Board Clearance Constraint (Gap=0mm) (All)	90
Height Constraint (Min=0mm) (Max=1816.048mm) (Preferred=12.7mm) (All)	0
Total	274

Design contains shelved or modified (but not repoured) polygons. The result of DRC is not correct. Recommended to r	
Polygon named: NONET_L01_P003 In net SHTDWN On Top Layer	
Polygon named: NONET_L01_P002 In net D+5V On Top Layer	
Polygon named: NONET_L02_P004 In net SHTDWN On Bottom Layer	

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net NetC1_2 Between Pad R1-1(38.8mm,41.575mm) on Top Layer And Pad C1-2(40.3mm,41.6mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J28-1(4.631mm,23.28mm) on Multi-Layer And Pad C2-2(19.97mm,23.11mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad C2-2(19.97mm,23.11mm) on Top Layer And Pad U3-16(21.97mm,23.115mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad C3-1(69.85mm,50.15mm) on Top Layer And Pad U2-2(71.35mm,43.45mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad C3-2(71.35mm,50.15mm) on Top Layer And Pad J3-1(83.37mm,49.83mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad C3-2(71.35mm,50.15mm) on Top Layer And Pad U2-1(71.35mm,48.05mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad C9-1(61.9mm,31.99mm) on Top Layer And Pad C4-1(63.2mm,44.25mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad C4-1(63.2mm,44.25mm) on Top Layer And Pad U2-2(71.35mm,43.45mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad U1-2(36.675mm,47.425mm) on Top Layer And Pad C4-2(63.2mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad C4-2(63.2mm,45.75mm) on Top Layer And Pad U2-3(65.2mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad C5-1(61.9mm,20.94mm) on Top Layer And Pad C9-1(61.9mm,31.99mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U4-16(58.45mm,20.94mm) on Top Layer And Pad C5-2(60.4mm,20.94mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R4-2(39.3mm,37.275mm) on Top Layer And Pad C6-2(39.82mm,32.06mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U6-8(39.52mm,30.31mm) on Top Layer And Pad C6-2(39.82mm,32.06mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad U5-7(43.67mm,30.31mm) on Top Layer And Pad C7-1(45.02mm,32.06mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U5-8(43.17mm,30.31mm) on Top Layer And Pad C7-2(43.52mm,32.06mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad C7-2(43.52mm,32.06mm) on Top Layer And Pad U8-16(58.45mm,31.985mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad C8-2(20.02mm,12.06mm) on Top Layer And Pad U7-16(21.97mm,12.07mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U8-16(58.45mm,31.985mm) on Top Layer And Pad C9-2(60.4mm,31.99mm) on Top Layer
Un-Routed Net Constraint: Net NetD1_1 Between Pad R2-2(74.775mm,47.2mm) on Top Layer And Pad D1-1(76.15mm,47.2mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad D2-2(77.75mm,45.75mm) on Top Layer And Pad D1-2(77.75mm,47.2mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad D1-2(77.75mm,47.2mm) on Top Layer And Pad J3-2(83.37mm,48.58mm) on Multi-Layer
Un-Routed Net Constraint: Net NetD2_1 Between Pad R3-1(74.775mm,45.75mm) on Top Layer And Pad D2-1(76.15mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad U2-2(71.35mm,43.45mm) on Top Layer And Pad D2-2(77.75mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J10-1(83.37mm,9.92mm) on Multi-Layer And Pad J15-1(86.31mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J9-1(83.37mm,15.62mm) on Multi-Layer And Pad J10-1(83.37mm,9.92mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J10-2(83.37mm,8.67mm) on Multi-Layer And Pad J15-2(85.06mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J9-2(83.37mm,14.37mm) on Multi-Layer And Pad J10-2(83.37mm,8.67mm) on Multi-Layer
Un-Routed Net Constraint: Net NetU10_3 Between Pad U4-14(58.45mm,18.4mm) on Top Layer And Pad J10-3(83.37mm,7.42mm) on Multi-Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad J25-1(4.631mm,11.88mm) on Multi-Layer And Pad J1-1(8.37mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad J1-1(8.37mm,51.229mm) on Multi-Layer And Pad U1-2(36.675mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net NetU1_10 Between Pad J1-10(18.53mm,53.769mm) on Multi-Layer And Pad U1-8(32.775mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net NetU1_11 Between Pad J1-11(21.07mm,51.229mm) on Multi-Layer And Pad U1-6(34.075mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J12-1(74.91mm,4.63mm) on Multi-Layer And Pad J11-1(80.61mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J11-1(80.61mm,4.63mm) on Multi-Layer And Pad J15-1(86.31mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J12-2(73.66mm,4.63mm) on Multi-Layer And Pad J11-2(79.36mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J11-2(79.36mm,4.63mm) on Multi-Layer And Pad J15-2(85.06mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net DOUT1 Between Pad J1-13(23.61mm,51.229mm) on Multi-Layer And Pad J16-3(42.66mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NetU11_3 Between Pad U4-5(48.95mm,15.86mm) on Top Layer And Pad J11-3(78.11mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net INTRPT Between Pad J2-5(4.65mm,45.39mm) on Multi-Layer And Pad J1-15(26.15mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net NetU1_16 Between Pad J1-16(26.15mm,53.769mm) on Multi-Layer And Pad U1-9(32.125mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net NetU1_20 Between Pad J1-20(31.23mm,53.769mm) on Multi-Layer And Pad U1-10(31.475mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J13-1(69.21mm,4.63mm) on Multi-Layer And Pad J12-1(74.91mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J13-2(67.96mm,4.63mm) on Multi-Layer And Pad J12-2(73.66mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NetU12_3 Between Pad U8-14(58.45mm,29.445mm) on Top Layer And Pad J12-3(72.41mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J1-25(38.85mm,51.229mm) on Multi-Layer And Pad J1-30(43.93mm,53.769mm) on Multi-Layer
Un-Routed Net Constraint: Net DOUT2 Between Pad J24-3(8.46mm,4.63mm) on Multi-Layer And Pad J1-26(38.85mm,53.769mm) on Multi-Layer
Un-Routed Net Constraint: Net DOUT3 Between Pad J17-3(36.96mm,4.63mm) on Multi-Layer And Pad J1-29(43.93mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net NetU1_3 Between Pad R13-1(10.9mm,48.975mm) on Top Layer And Pad J1-3(10.91mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net SH TDWN Between Pad J1-30(43.93mm,53.769mm) on Multi-Layer And Pad J1-34(49.01mm,53.769mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J23-1(56.56mm,4.63mm) on Multi-Layer And Pad J13-1(69.21mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net DOUT4 Between Pad J25-3(4.631mm,14.38mm) on Multi-Layer And Pad J1-32(46.47mm,53.769mm) on Multi-Layer

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net SHTDWN Between Pad MH3-1(61.5mm,3.5mm) on Multi-Layer And Pad J13-2(67.96mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU13_3 Between Pad U8-5(48.95mm,26.905mm) on Top Layer And Pad J13-3(66.71mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J1-34(49.01mm,53.769mm) on Multi-Layer And Pad J1-36(51.55mm,53.769mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J1-36(51.55mm,53.769mm) on Multi-Layer And Pad J1-39(56.63mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J1-39(56.63mm,51.229mm) on Multi-Layer And Pad MH4-1(61.5mm,52.5mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J18-1(33.76mm,4.63mm) on Multi-Layer And Pad J14-1(50.86mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J14-1(50.86mm,4.63mm) on Multi-Layer And Pad J23-1(56.56mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J16-2(43.91mm,4.63mm) on Multi-Layer And Pad J14-2(49.61mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J14-2(49.61mm,4.63mm) on Multi-Layer And Pad J23-2(55.31mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U4-8(48.95mm,12.05mm) on Top Layer And Pad J14-2(49.61mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU14_3 Between Pad U3-15(21.97mm,24.385mm) on Top Layer And Pad J14-3(48.36mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU1_5 Between Pad R12-1(13.45mm,48.975mm) on Top Layer And Pad J1-5(13.45mm,51.229mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU15_3 Between Pad U3-1(31.47mm,23.115mm) on Top Layer And Pad J15-3(83.81mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad J17-1(39.46mm,4.63mm) on Multi-Layer And Pad J16-1(45.16mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J17-2(38.21mm,4.63mm) on Multi-Layer And Pad J16-2(43.91mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU1_7 Between Pad J1-7(15.99mm,51.229mm) on Multi-Layer And Pad U1-5(34.725mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad J24-1(10.96mm,4.63mm) on Multi-Layer And Pad J17-1(39.46mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU1_8 Between Pad J1-8(15.99mm,53.769mm) on Multi-Layer And Pad U1-7(33.425mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J19-1(28.06mm,4.63mm) on Multi-Layer And Pad J18-1(33.76mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU18_3 Between Pad J18-3(31.26mm,4.63mm) on Multi-Layer And Pad U4-15(58.45mm,19.67mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J20-1(22.36mm,4.63mm) on Multi-Layer And Pad J19-1(28.06mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU19_3 Between Pad J19-3(25.56mm,4.63mm) on Multi-Layer And Pad U4-2(48.95mm,19.67mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J21-1(16.66mm,4.63mm) on Multi-Layer And Pad J20-1(22.36mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad U7-16(21.97mm,12.07mm) on Top Layer And Pad J20-1(22.36mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU20_3 Between Pad J20-3(19.86mm,4.63mm) on Multi-Layer And Pad U8-15(58.45mm,30.715mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J30-1(4.631mm,34.68mm) on Multi-Layer And Pad J2-1(4.65mm,40.39mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J2-1(4.65mm,40.39mm) on Multi-Layer And Pad R13-2(10.9mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net NeU21_3 Between Pad J21-3(14.16mm,4.63mm) on Multi-Layer And Pad U8-2(48.95mm,30.715mm) on Top Layer
Un-Routed Net Constraint: Net SCL Between Pad J2-3(4.65mm,42.89mm) on Multi-Layer And Pad U1-22(36.025mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J23-1(56.56mm,4.63mm) on Multi-Layer And Pad U4-16(58.45mm,20.94mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J23-2(55.31mm,4.63mm) on Multi-Layer And Pad MH3-1(61.5mm,3.5mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU23_3 Between Pad U3-5(31.47mm,28.195mm) on Top Layer And Pad J23-3(54.06mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SDA Between Pad J2-4(4.65mm,44.14mm) on Multi-Layer And Pad U1-21(35.375mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad J25-1(4.631mm,11.88mm) on Multi-Layer And Pad J24-1(10.96mm,4.63mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J25-2(4.631mm,13.13mm) on Multi-Layer And Pad J27-2(4.631mm,18.83mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J27-1(4.631mm,17.58mm) on Multi-Layer And Pad J28-1(4.631mm,23.28mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU27_3 Between Pad J27-3(4.631mm,20.08mm) on Multi-Layer And Pad U4-12(58.45mm,15.86mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J28-1(4.631mm,23.28mm) on Multi-Layer And Pad J29-1(4.631mm,28.98mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU28_3 Between Pad J28-3(4.631mm,25.78mm) on Multi-Layer And Pad U4-4(48.95mm,17.13mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J29-1(4.631mm,28.98mm) on Multi-Layer And Pad J30-1(4.631mm,34.68mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU29_3 Between Pad J29-3(4.631mm,31.48mm) on Multi-Layer And Pad U8-12(58.45mm,26.905mm) on Top Layer
Un-Routed Net Constraint: Net NeU30_3 Between Pad J30-3(4.631mm,37.18mm) on Multi-Layer And Pad U8-4(48.95mm,28.175mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad J4-1(83.37mm,44.121mm) on Multi-Layer And Pad J3-1(83.37mm,49.83mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J4-2(83.37mm,42.871mm) on Multi-Layer And Pad J3-2(83.37mm,48.58mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU3_3 Between Pad U4-13(58.45mm,17.13mm) on Top Layer And Pad J3-3(83.37mm,47.33mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J5-1(83.37mm,38.421mm) on Multi-Layer And Pad J4-1(83.37mm,44.121mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J5-2(83.37mm,37.171mm) on Multi-Layer And Pad J4-2(83.37mm,42.871mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU4_3 Between Pad U4-1(48.95mm,20.94mm) on Top Layer And Pad J4-3(83.37mm,41.621mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J6-1(83.37mm,32.721mm) on Multi-Layer And Pad J5-1(83.37mm,38.421mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J6-2(83.37mm,31.471mm) on Multi-Layer And Pad J5-2(83.37mm,37.171mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU5_3 Between Pad U8-13(58.45mm,28.175mm) on Top Layer And Pad J5-3(83.37mm,35.921mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J7-1(83.37mm,27.021mm) on Multi-Layer And Pad J6-1(83.37mm,32.721mm) on Multi-Layer

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net SHTDWN Between Pad J7-2(83.37mm,25.771mm) on Multi-Layer And Pad J6-2(83.37mm,31.471mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU6_3 Between Pad U8-1(48.95mm,31.985mm) on Top Layer And Pad J6-3(83.37mm,30.221mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J8-1(83.37mm,21.321mm) on Multi-Layer And Pad J7-1(83.37mm,27.021mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J8-2(83.37mm,20.071mm) on Multi-Layer And Pad J7-2(83.37mm,25.771mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU7_3 Between Pad U3-13(21.97mm,26.925mm) on Top Layer And Pad J7-3(83.37mm,24.521mm) on Multi-Layer
Un-Routed Net Constraint: Net D+5V Between Pad J8-1(83.37mm,21.321mm) on Multi-Layer And Pad J9-1(83.37mm,15.62mm) on Multi-Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad J8-2(83.37mm,20.071mm) on Multi-Layer And Pad J9-2(83.37mm,14.37mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU8_3 Between Pad U3-14(21.97mm,25.655mm) on Top Layer And Pad J8-3(83.37mm,18.821mm) on Multi-Layer
Un-Routed Net Constraint: Net NeU9_3 Between Pad U3-12(21.97mm,28.195mm) on Top Layer And Pad J9-3(83.37mm,13.12mm) on Multi-Layer
Un-Routed Net Constraint: Net SDA Between Pad U5-9(42.67mm,30.31mm) on Top Layer And Pad JP10-1(43.97mm,21.11mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad JP1-1(42.52mm,11.91mm) on Top Layer And Pad U4-8(48.95mm,12.05mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad JP2-1(69.25mm,39.25mm) on Top Layer And Pad U2-3(71.35mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S0 Between Pad JP3-1(15.491mm,14.736mm) on Top Layer And Pad U7-11(21.97mm,18.42mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S1 Between Pad JP4-1(15.491mm,18.891mm) on Top Layer And Pad U7-10(21.97mm,19.69mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S2 Between Pad JP5-1(15.27mm,23.11mm) on Top Layer And Pad U7-9(21.97mm,20.96mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S0 Between Pad U8-11(58.45mm,25.635mm) on Top Layer And Pad JP6-1(68.44mm,27.27mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S1 Between Pad U8-10(58.45mm,24.365mm) on Top Layer And Pad JP7-1(68.44mm,23.79mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S2 Between Pad U8-9(58.45mm,23.095mm) on Top Layer And Pad JP8-1(68.44mm,20.31mm) on Top Layer
Un-Routed Net Constraint: Net SCL Between Pad JP9-1(40.42mm,20.86mm) on Top Layer And Pad U5-10(42.17mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R11-1(29.15mm,37.275mm) on Top Layer And Pad R10-1(30.6mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R10-1(30.6mm,37.275mm) on Top Layer And Pad R9-1(32.05mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S1 Between Pad R10-2(30.6mm,38.825mm) on Top Layer And Pad U1-16(32.125mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S1 Between Pad U3-10(21.97mm,30.735mm) on Top Layer And Pad R10-2(30.6mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net NetC1_2 Between Pad U1-24(37.425mm,41.575mm) on Top Layer And Pad R1-1(38.8mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S2 Between Pad R11-2(29.15mm,38.825mm) on Top Layer And Pad U1-15(31.475mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S2 Between Pad U3-9(21.97mm,32.005mm) on Top Layer And Pad R11-2(29.15mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R1-2(38.8mm,43.125mm) on Top Layer And Pad R4-2(39.3mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net NeU1_5 Between Pad R12-1(13.45mm,48.975mm) on Top Layer And Pad U1-4(35.375mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R13-2(10.9mm,47.425mm) on Top Layer And Pad R12-2(13.45mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net NeU1_3 Between Pad R13-1(10.9mm,48.975mm) on Top Layer And Pad U1-3(36.025mm,47.425mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U2-1(71.35mm,48.05mm) on Top Layer And Pad R2-1(73.225mm,47.2mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad U2-3(71.35mm,45.75mm) on Top Layer And Pad R3-2(73.225mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net SCL Between Pad U1-22(36.025mm,41.575mm) on Top Layer And Pad R4-1(39.3mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net SCL Between Pad U6-10(38.52mm,30.31mm) on Top Layer And Pad R4-1(39.3mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R5-1(37.85mm,37.275mm) on Top Layer And Pad R4-2(39.3mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R6-1(36.4mm,37.275mm) on Top Layer And Pad R5-1(37.85mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net SDA Between Pad U1-21(35.375mm,41.575mm) on Top Layer And Pad R5-2(37.85mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net SDA Between Pad R5-2(37.85mm,38.825mm) on Top Layer And Pad U6-9(39.02mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R7-1(34.95mm,37.275mm) on Top Layer And Pad R6-1(36.4mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S0 Between Pad U1-20(34.725mm,41.575mm) on Top Layer And Pad R6-2(36.4mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S0 Between Pad R6-2(36.4mm,38.825mm) on Top Layer And Pad U8-11(58.45mm,25.635mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R8-1(33.5mm,37.275mm) on Top Layer And Pad R7-1(34.95mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S1 Between Pad U1-19(34.075mm,41.575mm) on Top Layer And Pad R7-2(34.95mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S1 Between Pad R7-2(34.95mm,38.825mm) on Top Layer And Pad U8-10(58.45mm,24.365mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad R9-1(32.05mm,37.275mm) on Top Layer And Pad R8-1(33.5mm,37.275mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S2 Between Pad U1-18(33.425mm,41.575mm) on Top Layer And Pad R8-2(33.5mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S2 Between Pad R8-2(33.5mm,38.825mm) on Top Layer And Pad U8-9(58.45mm,23.095mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S0 Between Pad R9-2(32.05mm,38.825mm) on Top Layer And Pad U1-17(32.775mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S0 Between Pad U3-11(21.97mm,29.465mm) on Top Layer And Pad R9-2(32.05mm,38.825mm) on Top Layer
Un-Routed Net Constraint: Net NetC1_2 Between Pad U1-23(36.675mm,41.575mm) on Top Layer And Pad U1-24(37.425mm,41.575mm) on Top Layer
Un-Routed Net Constraint: Net D+3.3V Between Pad U2-3(65.2mm,45.75mm) on Top Layer And Pad U2-3(71.35mm,45.75mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S1 Between Pad U7-10(21.97mm,19.69mm) on Top Layer And Pad U3-10(21.97mm,30.735mm) on Top Layer

Un-Routed Net Constraint (All)
Un-Routed Net Constraint: Net MUX2_S0 Between Pad U7-11(21.97mm,18.42mm) on Top Layer And Pad U3-11(21.97mm,29.465mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U7-16(21.97mm,12.07mm) on Top Layer And Pad U3-16(21.97mm,23.115mm) on Top Layer
Un-Routed Net Constraint: Net NetU3_3 Between Pad U3-3(31.47mm,25.655mm) on Top Layer And Pad U6-4(40.02mm,25.91mm) on Top Layer
Un-Routed Net Constraint: Net MUX2_S2 Between Pad U7-9(21.97mm,20.96mm) on Top Layer And Pad U3-9(21.97mm,32.005mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S1 Between Pad U4-10(58.45mm,13.32mm) on Top Layer And Pad U8-10(58.45mm,24.365mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S0 Between Pad U4-11(58.45mm,14.59mm) on Top Layer And Pad U8-11(58.45mm,25.635mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U4-16(58.45mm,20.94mm) on Top Layer And Pad U8-16(58.45mm,31.985mm) on Top Layer
Un-Routed Net Constraint: Net NetU4_3 Between Pad U5-4(43.67mm,25.91mm) on Top Layer And Pad U4-3(48.95mm,18.4mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U4-7(48.95mm,13.32mm) on Top Layer And Pad U4-6(48.95mm,14.59mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U4-8(48.95mm,12.05mm) on Top Layer And Pad U4-7(48.95mm,13.32mm) on Top Layer
Un-Routed Net Constraint: Net MUX1_S2 Between Pad U4-9(58.45mm,12.05mm) on Top Layer And Pad U8-9(58.45mm,23.095mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U5-1(42.17mm,25.91mm) on Top Layer And Pad U5-2(42.67mm,25.91mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U6-5(40.52mm,25.91mm) on Top Layer And Pad U5-1(42.17mm,25.91mm) on Top Layer
Un-Routed Net Constraint: Net SCL Between Pad U6-10(38.52mm,30.31mm) on Top Layer And Pad U5-10(42.17mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U5-2(42.67mm,25.91mm) on Top Layer And Pad U5-3(43.17mm,25.91mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U5-3(43.17mm,25.91mm) on Top Layer And Pad U5-5(44.17mm,25.91mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U5-5(44.17mm,25.91mm) on Top Layer And Pad U8-6(48.95mm,25.635mm) on Top Layer
Un-Routed Net Constraint: Net NetU5_6 Between Pad U5-6(44.17mm,30.31mm) on Top Layer And Pad U8-3(48.95mm,29.445mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U6-7(40.02mm,30.31mm) on Top Layer And Pad U5-7(43.67mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U6-8(39.52mm,30.31mm) on Top Layer And Pad U5-8(43.17mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net SDA Between Pad U6-9(39.02mm,30.31mm) on Top Layer And Pad U5-9(42.67mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net D+5V Between Pad U6-1(38.52mm,25.91mm) on Top Layer And Pad U6-8(39.52mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net NetU6_6 Between Pad U7-3(31.47mm,14.61mm) on Top Layer And Pad U6-6(40.52mm,30.31mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U8-7(48.95mm,24.365mm) on Top Layer And Pad U8-6(48.95mm,25.635mm) on Top Layer
Un-Routed Net Constraint: Net SHTDWN Between Pad U8-8(48.95mm,23.095mm) on Top Layer And Pad U8-7(48.95mm,24.365mm) on Top Layer

Modified Polygon (Allow modified: No), (Allow shelved: No)
Modified Polygon: Polygon Shelved (NONET_L01_P002) on Top Layer
Modified Polygon: Polygon Shelved (NONET_L01_P003) on Top Layer
Modified Polygon: Polygon Shelved (NONET_L02_P004) on Bottom Layer

Board Clearance Constraint (Gap=0mm) (All)

[illegible]

