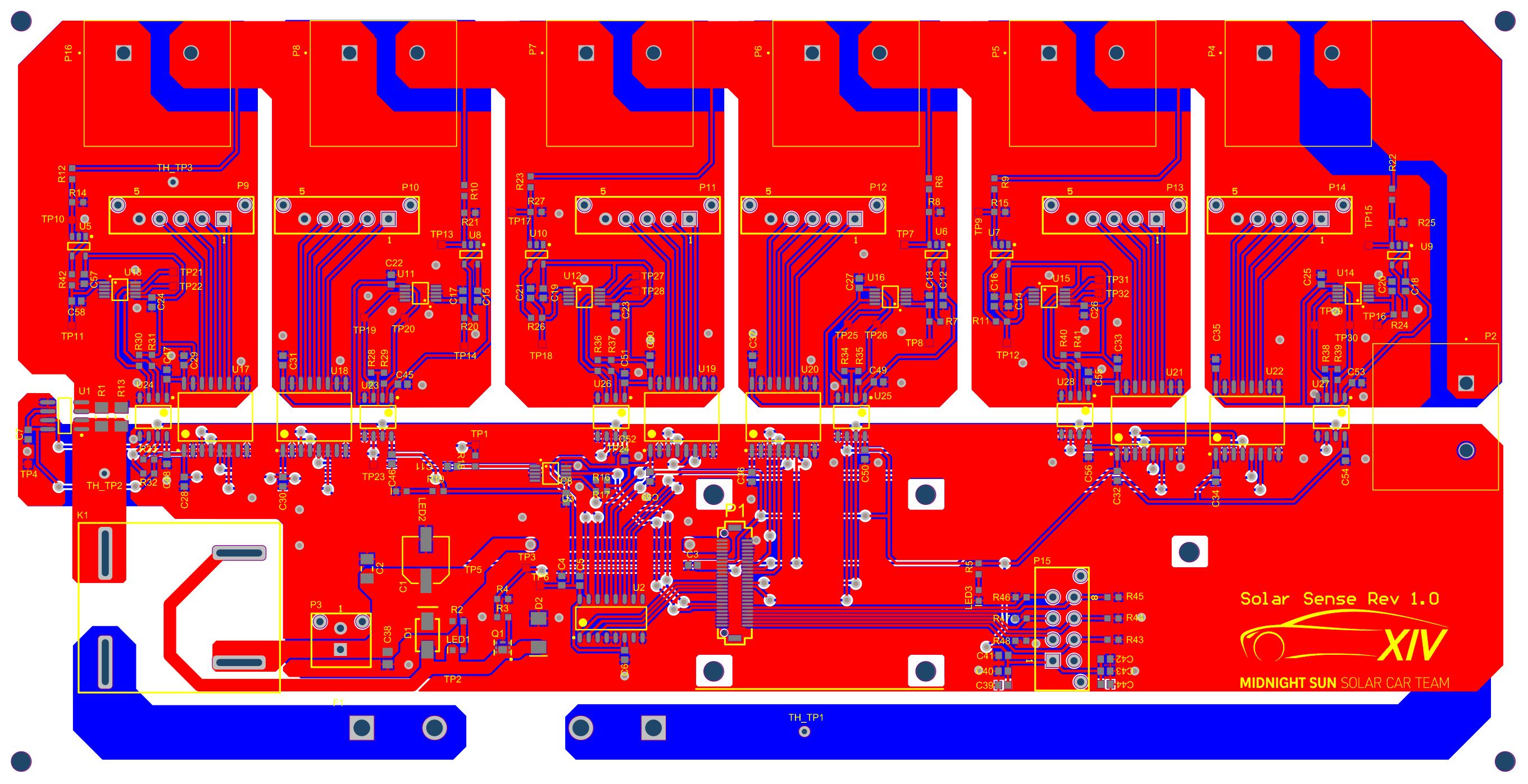
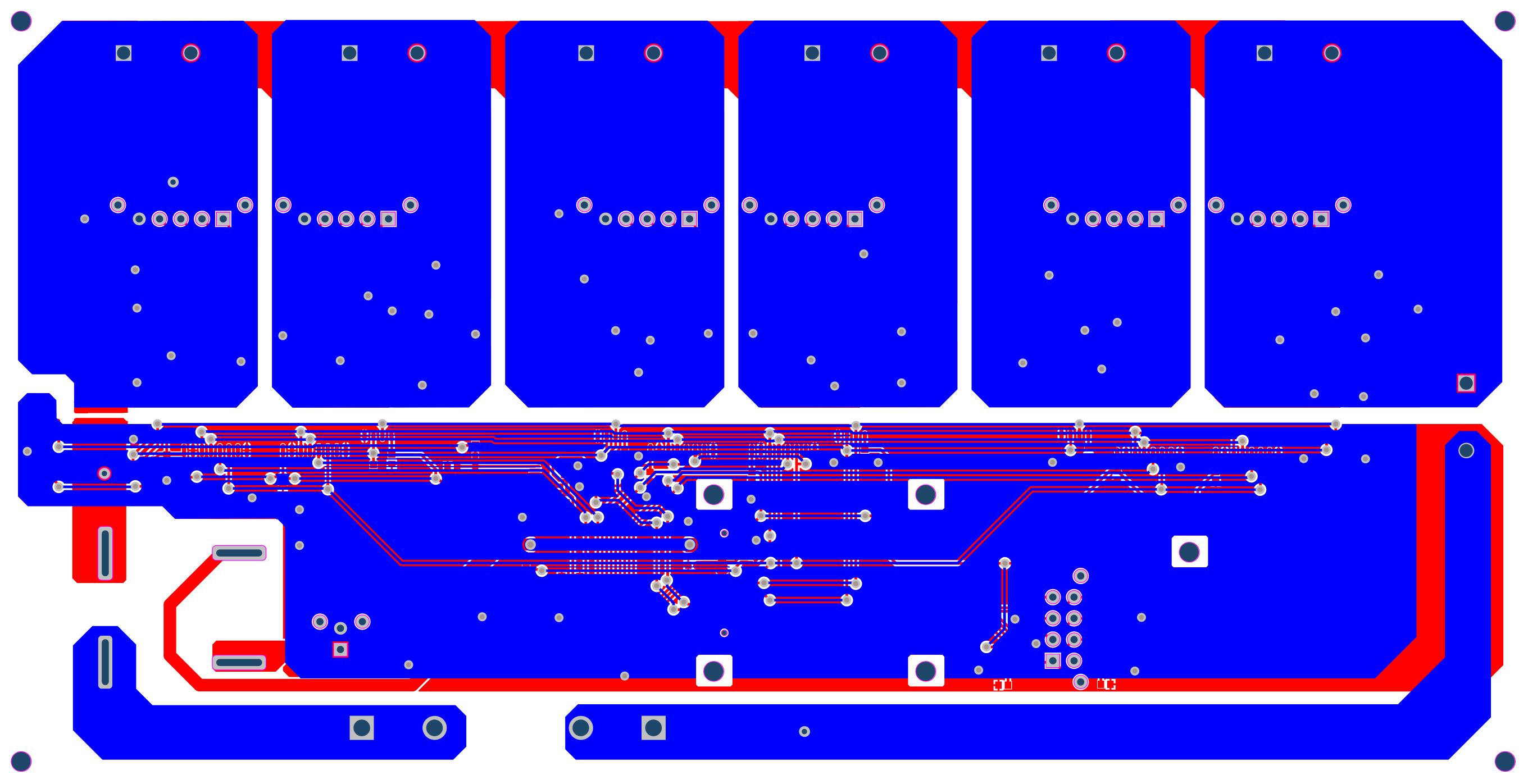
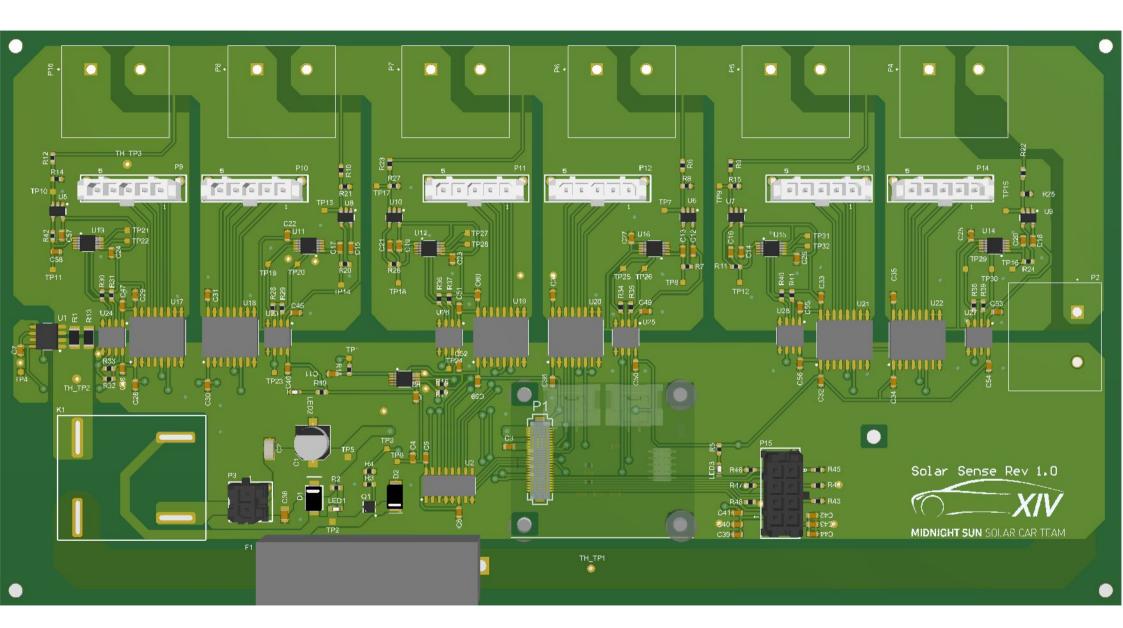


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Electrical Rules Check Report

Class	Desument	Marrow
Class	Document	Message
Error	Voltage_Sense.SchDoc	HV_LOW contains Power Pin and Output Port objects (Pin U5-2, Port HV_LOW).
Error	Controller_Board_Interface.SchDoc	Net PA6/Relay_Sense has only one pin (Pin P1-19)
Error	Controller_Board_Interface.SchDoc	Net PA7_ has only one pin (Pin P1-18) Net PB0_ has only one pin (Pin P1-17)
Error	Controller_Board_Interface.SchDoc	
Error	Controller_Board_Interface.SchDoc	Net PB1_ has only one pin (Pin P1-16)
Error Warning	Controller_Board_Interface.SchDoc Voltage_Sense.SchDoc	Net PB2_ has only one pin (Pin P1-15) Global Power-Object MPPT_GND_1 at 3650mil,1830mil has been reduced to local level by
		presence of port at 2000mil,1300mil
Warning	Voltage_Sense.SchDoc	Global Power-Object MPPT_HV_6 at 3350mil,9100mil has been reduced to local level by presence of port at 2000mil,9400mil
Warning	Voltage_Sense.SchDoc	Net NetR6_2 has no driving source (Pin R6-2, Pin R8-1, Pin TP7-TP, Pin U6-3)
Warning	Voltage_Sense.SchDoc	Net NetR9_2 has no driving source (Pin R9-2, Pin R15-1, Pin TP9-TP, Pin U7-3)
Warning	Voltage_Sense.SchDoc	Net NetR10_2 has no driving source (Pin R10-2, Pin R21-1, Pin TP13-TP, Pin U8-3)
Warning	Voltage_Sense.SchDoc	Net NetR12_2 has no driving source (Pin R12-2, Pin R14-1, Pin TP10-TP, Pin U5-3)
Warning	Voltage_Sense.SchDoc	Net NetR22_2 has no driving source (Pin R22-2, Pin R25-1, Pin TP15-TP, Pin U9-3)
Warning	Voltage_Sense.SchDoc	Net NetR23_2 has no driving source (Pin R23-2, Pin R27-1, Pin T P17-TP, Pin U10-3)
Warning	Controller_Board_Interface.SchDoc	Net PB3_DEMUX_A0 has no driving source (Pin P1-38, Pin U2-1)
Warning	Controller_Board_Interface.SchDoc	Net PB4_DEMUX_A1 has no driving source (Pin P1-37, Pin U2-2)
Warning	Controller_Board_Interface.SchDoc	Net PB5_DEMUX_A2 has no driving source (Pin P1-36, Pin U2-3)
Warning	Current_and_Relay_Sense.SchDoc	Nets Wire HV_HIGH has multiple names (Net Label HV_HIGH, Power Object MPPT_HV_6, Power Object MPPT_HV_6)
Warning	ADCs.SchDoc	Nets Wire HV_LOW has multiple names (Net Label HV_LOW, Net Label HV_LOW, Power
		Object MPPT_GND_1, Power Object MPPT_GND_1, Power Object MPPT_GND_1, Power
		Object MPPT_GND_1, Power Object MPPT_GND_1, Power Object MPPT_GND_1, Power
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Warning	ADCs.SchDoc	News Wife Mar Power Object MPPT_GND_2, Power Object
		MPPT_GND_2, Power Object MPPT_GND_2, Power Object MPPT_GND_2, Power Object
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Warning	ADCs.SchDoc	MERS WIFE WIFE PENNED SHIPS I MUTUALE HAMES POWER DESEMBER PROPERTY GND 3, Power Object
VVairing	ADC3.3CHD0C	MPPT_GND_3, Power Object MPPT_GND_3, Power Object MPPT_GND_3, Power Object
		MPPT_GND_3, Power Object MPPT_GND_3, Power Object MPPT_GND_3, Power Object
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		MPPT_GND_3, Power Object MPPT_GND_3, Power Object MPPT_GND_3, Power Object
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Warning	ADCs.SchDoc	Mels wife Mippor Penno Strikes Milliple Hames (Power bis et MPP pr GND_4, Power Object
		MPPT_GND_4, Power Object MPPT_GND_4, Power Object MPPT_GND_4, Power Object
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		MPPT_GND_4, Power Object MPPT_GND_4, Power Object MPPT_GND_4, Power Object
Warning	ADCs.SchDoc	Mes Wife MAPPO VEND be has multiple has be (Power Object MPPT_GND_5, Power Object
		MPPT_GND_5, Power Object MPPT_GND_5, Power Object MPPT_GND_5, Power Object
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		MPPT_GND_5, Power Object MPPT_GND_5, Power Object MPPT_GND_5, Power Object
Warning	ADCs.SchDoc	Mels Wire Man Proven Bole has multiple names (Power Object MPPT_GND_6, Power Object
		MPPT_GND_6, Power Object MPPT_GND_6, Power Object MPPT_GND_6, Power Objec
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Warning	Controller_Board_Interface.SchDoc	MEIS WIFE PAO TRANSTANTINE TO A NEW TOWS SHEET CONTROL TO THE TOWN TOWN TO THE
Warning	Controller_Board_Interface.SchDoc	Cross-Sheet Connector Solar Temp 1, Net Label PA0 Temp 1) Nets Wire PA1_Temp_2 has multiple names (Cross-Sheet Connector Solar_Temp_2,
vvarining	Controller_board_interface.Scribut	
L		Cross-Sheet Connector Solar Temp 2, Net Label PA1 Temp 2)

Class	Document	Message
Warning	Controller_Board_Interface.SchDoc	Nets Wire PA2_Temp_3 has multiple names (Cross-Sheet Connector Solar_Temp_3,
Warning	Controller_Board_Interface.SchDoc	Cross-Sheet Connector Solar Temp_3, Net Label PA2_Temp_3) Nets Wire PA3_Temp_4 has multiple names (Cross-Sheet Connector Solar_Temp_4,
		Cross-Sheet Connector Solar Temp 4, Net Label PA3 Temp 4)
Warning	Controller_Board_Interface.SchDoc	Nets Wire PA4_Temp_5 has multiple names (Cross-Sheet Connector Solar_Temp_5, Cross-Sheet Connector Solar_Temp_5, Net Label PA4_Temp_5)
Warning	Controller_Board_Interface.SchDoc	Nets Wire PA5_Temp_6 has multiple names (Cross-Sheet Connector Solar_Temp_6, Cross-Sheet Connector Solar_Temp_6, Net Label PA5_Temp_6)
Warning	Controller_Board_Interface.SchDoc	Nets Wire PB10/I2C2_SCL has multiple names (Net Label PB10/I2C2_SCL, Net Label SCL,
Warning	Controller_Board_Interface.SchDoc	Net Label SCL, Net Label SCL, Net Label SCL, Net Label SCL, Net Label SCL) Nets Wire PB11/I2C2_SDA has multiple names (Net Label PB11/I2C2_SDA, Net Label SDA) Net Label SDA Net Label
Warning	ADCs.SchDoc	Net Label SDA, Net Label SDA, Net Label SDA, Net Label SDA, Net Label SDA) Off grid C24 at 3818.11mil,8674.41mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector ADC_SCL_1 at 3600mil,7694.41mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector ADC_SDA_1 at 3600mil,7544.41mil
Warning	SPI_Interface.SchDoc	Off grid Cross-Sheet Connector PB13_SPI2_SCK at 6574.41mil,6651.811mil
Warning	SPI_Interface.SchDoc	Off grid Cross-Sheet Connector PB14_SPI2_MISO at 6574.41mil,6251.811mil
Warning	SPI_Interface.SchDoc	Off grid Cross-Sheet Connector PB15_SPI2_MOSI at 6574.41mil,6851.811mil
Warning	TemperatureSense.SchDoc	Off grid Cross-Sheet Connector Solar_Temp_2 at 7837.008mil,4796.063mil
Warning	TemperatureSense.SchDoc	Off grid Cross-Sheet Connector Solar_Temp_4 at 6687.008mil,4596.063mil
Warning	Controller_Board_Interface.SchDoc	Off grid Cross-Sheet Connector Solar_Temp_6 at 2247.008mil,4300mil
Warning	TemperatureSense.SchDoc	Off grid Cross-Sheet Connector Solar_Temp_6 at 5650mil,4396.063mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_1 at 1350mil,8044.41mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_2 at 6281.89mil,8100mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_3 at 11381.89mil,8100mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_4 at 1631.89mil,3500mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_5 at 6531.89mil,3500mil
Warning	ADCs.SchDoc	Off grid Cross-Sheet Connector V_SENSE_6 at 11231.89mil,3400mil
Warning	Controller_Board_Interface.SchDoc	Off grid M1 at 1693.983mil,2899.713mil
Warning	Controller_Board_Interface.SchDoc	Off grid M2 at 2406.601mil,2898.306mil
Warning	Controller_Board_Interface.SchDoc	Off grid M3 at 1693.983mil,1949.714mil
Warning	Controller_Board_Interface.SchDoc	Off grid M4 at 2406.601mil,1948.306mil
Warning	SPI_Interface.SchDoc	Off grid Net Label CS_MPPT2 at 8674.41mil,6451.811mil
Warning	SPI_Interface.SchDoc	Off grid Net Label MISO_MPPT 2 at 8624.41mil,6251.811mil
Warning	SPI_Interface.SchDoc	Off grid Net Label MISO_MPPT 3 at 12055.512mil,6250mil
Warning	SPI_Interface.SchDoc	Off grid Net Label MOSI_MPPT2 at 8674.41mil,6851.811mil
Warning	SPI_Interface.SchDoc	Off grid Net Label MOSI_MPPT 3 at 12055.512mil,6850mil
Warning	SPI_Interface.SchDoc	Off grid Net Label SCK_MPPT 2 at 8674.41mil,6651.811mil
Warning	SPI_Interface.SchDoc	Off grid No ERC at 6774.41mil,6051.811mil
Warning	TemperatureSense.SchDoc	Off grid P15 at 4521.654mil,5096.063mil
Warning	ADCs.SchDoc	Off grid Pin C24-1 at 3818.11mil,8674.41mil
Warning	ADCs.SchDoc	Off grid Pin C24-2 at 3818.11mil,8374.41mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-1 at 5421.654mil,4996.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-2 at 5421.654mil,4796.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-3 at 5421.654mil,4596.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-4 at 5421.654mil,4396.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-5 at 4521.654mil,4996.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-6 at 4521.654mil,4796.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-7 at 4521.654mil,4596.063mil
Warning	TemperatureSense.SchDoc	Off grid Pin P15-8 at 4521.654mil,4396.063mil
Warning	ADCs.SchDoc	Off grid Pin U13-1 at 1658.11mil,8044.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-2 at 1658.11mil,7894.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-3 at 3108.11mil,7194.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-4 at 1658.11mil,7694.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-5 at 1658.11mil,7544.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-6 at 3108.11mil,8044.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-7 at 3108.11mil,7544.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-8 at 3108.11mil,7694.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-9 at 1658.11mil,7194.41mil
Warning	ADCs.SchDoc	Off grid Pin U13-10 at 1658.11mil,7344.41mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-1 at 6774.41mil,7051.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-2 at 6774.41mil,5851.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-3 at 6774.41mil,6851.811mil
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Tuesday 11 Feb 2020 1:06:55 AN.

Class	Document	Message
Warning	SPI_Interface.SchDoc	Off grid Pin U18-4 at 6774.41mil,6651.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-5 at 6774.41mil,6451.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-6 at 6774.41mil,6251.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-7 at 6774.41mil,6051.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-8 at 6774.41mil,5651.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-9 at 8574.41mil,5651.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-10 at 8574.41mil,6051.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-11 at 8574.41mil,6251.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-12 at 8574.41mil,6451.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-13 at 8574.41mil,6651.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-14 at 8574.41mil,6851.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-15 at 8574.41mil,5851.811mil
Warning	SPI_Interface.SchDoc	Off grid Pin U18-16 at 8574.41mil,7051.811mil
Warning	TemperatureSense.SchDoc	Off grid Power Object 3V3 at 5899.606mil,5389.764mil
Warning	SPI_Interface.SchDoc	Off grid Power Object 3V3 at 6174.41mil,7351.811mil
Warning	SPI_Interface.SchDoc	Off grid Power Object GND at 6774.41mil,5351.811mil
Warning	ADCs.SchDoc	Off grid Power Object MPPT_3V3_1 at 3218.11mil,8674.41mil
Warning	ADCs.SchDoc	Off grid Power Object MPPT_3V3_1 at 3818.11mil,8674.41mil
Warning	SPI_Interface.SchDoc	Off grid Power Object MPPT_3V3_2 at 9074.41mil,7351.811mil
Warning	ADCs.SchDoc	Off grid Power Object MPPT_GND_1 at 818.11mil,7074.41mil
Warning	ADCs.SchDoc	Off grid Power Object MPPT_GND_1 at 3468.11mil,7074.41mil
Warning	ADCs.SchDoc	Off grid Power Object MPPT_GND_1 at 3818.11mil,8374.41mil
Warning	SPI_Interface.SchDoc	Off grid Power Object MPPT_GND_2 at 8574.41mil,5351.811mil
Warning	ADCs.SchDoc	Off grid U13 at 1958.11mil,8194.41mil
Warning	SPI_Interface.SchDoc	Off grid U18 at 7474.41mil,6651.811mil

Design Rules Verification ReportFilename : C:\Users\Aashmika Mali\Documents\First Year\Midnight Sun\hardware\MSXIV_

Warnings 0 Rule Violations 127

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.254mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.254mm) (Max=1.778mm) (Preferred=0.381mm) (All)	0
Power Plane Connect Rule(Direct Connect) (Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Hole Size Constraint (Min=0.025mm) (Max=2.54mm) (All)	13
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	26
Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)	77
Silk to Silk (Clearance=0.254mm) (All),(All)	11
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	127

Hole Size Constraint (Min=0.025mm) (Max=2.54mm) (All)
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-115mm,15.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-115mm,40.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-213mm,107.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-213mm,2.996mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-3mm,107.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-3mm,3mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-47.701mm,32.614mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-85mm,15.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (2.7mm > 2.54mm) Pad Free-(-85mm,40.754mm) on Multi-Layer Actual Hole Size = 2.7mm
Hole Size Constraint: (6.5mm > 2.54mm) Pad K1-1(-201.091mm,17.054mm) on Multi-Layer Actual Slot Hole Height = 6.5mm
Hole Size Constraint: (6.5mm > 2.54mm) Pad K1-2(-201.091mm,32.454mm) on Multi-Layer Actual Slot Hole Height = 6.5mm
Hole Size Constraint: (6.5mm > 2.54mm) Pad K1-3(-182.141mm,17.004mm) on Multi-Layer Actual Slot Hole Height = 6.5mm
Hole Size Constraint: (6.5mm > 2.54mm) Pad K1-4(-182.141mm,32.504mm) on Multi-Layer Actual Slot Hole Height = 6.5mm

Minimum Solder M	lask Sliver (Gap=0.254mm) (All),(All)
	Sliver Constraint: (0.105mm < 0.254mm) Between Pad P1-(-112mm,20.454mm) on Top Layer And Pad P1-(-113.5mm,21.204ml
Minimum Solder Mask	Sliver Constraint: (0.105mm < 0.254mm) Between Pad P1-(-112mm,36.054mm) on Top Layer And Pad P1-(-113.5mm,35.304mm)
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-1(-143.921mm,18.472mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-2(-143.921mm,19.122mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-3(-143.921mm,19.772mm) on Top Layer And Pad
Minimum Solder Mask	Sliver Constraint: (0.202mm < 0.254mm) Between Pad Q1-3(-143.921mm,19.772mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-4(-145.771mm,19.772mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-4(-145.771mm,19.772mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.202mm < 0.254mm) Between Pad Q1-4(-145.771mm,19.772mm) on Top Layer And Pad
Minimum Solder Mask	Sliver Constraint: (0.047mm < 0.254mm) Between Pad Q1-5(-145.771mm,19.122mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.187mm < 0.254mm) Between Pad Q1-7(-144.846mm,18.822mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.116mm < 0.254mm) Between Pad R48-1(-70.754mm,20.079mm) on Top Layer And Via
(Minish Zirm Stolle 6 Manskr	r\$liver Constraint: (0.147mm < 0.254mm) Between Pad U10-1(-139.1mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U10-2(-140.05mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.092mm < 0.254mm) Between Pad U3-10(-135.871mm,44.754mm) on Top Layer And Via
Minimum Solder Mask	Sliver Constraint: (0.151mm < 0.254mm) Between Pad U3-9(-135.871mm,44.254mm) on Top Layer And Via
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-1(-203.885mm,77.285mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U5-2(-204.835mm,77.285mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U6-1(-82.55mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U6-2(-83.5mm,76.129mm) on Top Layer And Pad
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U7-1(-73.275mm,76.129mm) on Top Layer And Pag
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U7-2(-74.225mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U8-1(-148.395mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U8-2(-149.345mm,76.129mm) on Top Layer And Pac
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U9-1(-17.1mm,76.004mm) on Top Layer And Pad
Minimum Solder Mask	Sliver Constraint: (0.147mm < 0.254mm) Between Pad U9-2(-18.05mm,76.004mm) on Top Layer And Pad
U9-3(-19mm,76.004mn	n)

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Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)
Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad C1-1(-155.726mm,28.556mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad C1-1(-155.726mm,28.556mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad C11-1(-151.291mm,44.754mm) on Top Layer And Text "R18'
Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad C1-2(-155.726mm,34.456mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.2mm < 0.254mm) Between Pad C1-2(-155.726mm,34.456mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.228mm < 0.254mm) Between Pad C15-1(-148.395mm,69.589mm) on Top Layer And Text "C15"
Silk To Solder Mask Clearance Constraint: (0.202mm < 0.254mm) Between Pad C15-2(-148.395mm,68.239mm) on Top Layer And Text "C15"
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad C52-1(-127.595mm,46.929mm) on Top Layer And Text "TP24"
Silk To Solder Mask Clearance Constraint: (0.241mm < 0.254mm) Between Pad C6-2(-127.595mm,17.404mm) on Top Layer And Text "C6'
Silk To Solder Mask Clearance Constraint: (0.245mm < 0.254mm) Between Pad C7-1(-212mm,49.929mm) on Top Layer And Text "C7"
Silk To Solder Mask Clearance Constraint: (0.246mm < 0.254mm) Between Pad C7-2(-212mm,48.579mm) on Top Layer And Text "C7"
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad C8-1(-135.871mm,40.995mm) on Top Layer And Text "U3'
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad C8-2(-135.871mm,39.645mm) on Top Layer And Text "U3'
Silk To Solder Mask Clearance Constraint: (0.166mm < 0.254mm) Between Pad D1-1(-155.5mm,18.847mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.166mm < 0.254mm) Between Pad D1-1(-155.5mm,18.847mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.166mm < 0.254mm) Between Pad D1-2(-155.5mm,22.847mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.166mm < 0.254mm) Between Pad D1-2(-155.5mm,22.847mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.247mm < 0.254mm) Between Pad D2-2(-139.771mm,19.177mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.209mm < 0.254mm) Between Pad LED1-2(-151.95mm,18.754mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.209mm < 0.254mm) Between Pad LED2-2(-159.935mm,41.254mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.209mm < 0.254mm) Between Pad LED3-2(-77.5mm,25.754mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.213mm < 0.254mm) Between Pad P10-0(-157.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P10-0(-157.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.250mm < 0.254mm) Between Pad P10-0(-175.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P10-0(-175.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.223mm < 0.254mm) Between Pad P1-1(-110.2mm,34.254mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.225mm < 0.254mm) Between Pad P11-0(-115.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P11-0(-115.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P11-0(-133.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P11-0(-133.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P12-0(-109.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P12-0(-109.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P12-0(-91.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.233mm < 0.254mm) Between Pad P12-0(-91.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.223mm < 0.254mm) Between Pad P1-25(-110.2mm,22.254mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.239mm < 0.254mm) Between Pad P1-26(-113.8mm,22.254mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.239mm < 0.254mm) Between Pad P13-0(-49.225mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P13-0(-49.225mm,81.734mm) on Multi-Layer And Track
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Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P13-0(-67.225mm,81.734mm) on Multi-Layer And Track Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P13-0(-67.225mm,81.734mm) on Multi-Layer And Track
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Silk To Solder Mask Clearance Constraint: (0.213mm < 0.254mm) Between Pad P14-0(-25.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P14-0(-25.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P14-0(-43.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P14-0(-43.9mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.239mm < 0.254mm) Between Pad P1-50(-113.8mm,34.254mm) on Top Layer And Track Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P15-0(-63.06mm,14.254mm) on Multi-Layer And Track
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Silk To Solder Mask Clearance Constraint: (0.187mm < 0.254mm) Between Pad P15-0(-63.06mm,14.254mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P15-0(-63.06mm,29.254mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.252mm < 0.254mm) Between Pad P15-0(-63.06mm,29.254mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.213mm < 0.254mm) Between Pad P3-0(-164.715mm,22.787mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P3-0(-164.715mm,22.787mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P3-0(-170.715mm,22.787mm) on Multi-Layer And Track

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Silk To Solder Mask (Clearance=0.254mm) (IsPad),(All)
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P3-0(-170.715mm,22.787mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.213mm < 0.254mm) Between Pad P9-0(-181.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P9-0(-181.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.179mm < 0.254mm) Between Pad P9-0(-199.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.236mm < 0.254mm) Between Pad P9-0(-199.3mm,81.734mm) on Multi-Layer And Track
Silk To Solder Mask Clearance Constraint: (0.05mm < 0.254mm) Between Pad Q1-1(-143.921mm,18.472mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.112mm < 0.254mm) Between Pad Q1-2(-143.921mm,19.122mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.112mm < 0.254mm) Between Pad Q1-2(-143.921mm,19.122mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.05mm < 0.254mm) Between Pad Q1-3(-143.921mm,19.772mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.05mm < 0.254mm) Between Pad Q1-4(-145.771mm,19.772mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.112mm < 0.254mm) Between Pad Q1-5(-145.771mm,19.122mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.112mm < 0.254mm) Between Pad Q1-5(-145.771mm,19.122mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.05mm < 0.254mm) Between Pad Q1-6(-145.771mm,18.472mm) on Top Layer And Track
Silk To Solder Mask Clearance Constraint: (0.195mm < 0.254mm) Between Pad R16-1(-130.09mm,41.254mm) on Top Layer And Text "R17"
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad R16-2(-131.64mm,41.254mm) on Top Layer And Text "R17"
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad R17-1(-130.09mm,42.754mm) on Top Layer And Text "R16'
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad R17-2(-131.64mm,42.754mm) on Top Layer And Text "R16'
Silk To Solder Mask Clearance Constraint: (0.064mm < 0.254mm) Between Pad R28-2(-163.5mm,56.479mm) on Top Layer And Text "U23'
Silk To Solder Mask Clearance Constraint: (0.243mm < 0.254mm) Between Pad R38-2(-28.5mm,56.979mm) on Top Layer And Text "U27"
Silk To Solder Mask Clearance Constraint: (0.249mm < 0.254mm) Between Pad U13-1(-201.222mm,70.754mm) on Top Layer And Text "C57"
Silk To Solder Mask Clearance Constraint: (0.249mm < 0.254mm) Between Pad U13-2(-201.222mm,70.254mm) on Top Layer And Text "C57"
Silk To Solder Mask Clearance Constraint: (0.253mm < 0.254mm) Between Pad U26-7(-128.865mm,49.029mm) on Top Layer And Text "C52"
Silk To Solder Mask Clearance Constraint: (0.252mm < 0.254mm) Between Pad U26-8(-127.595mm,49.029mm) on Top Layer And Text "C52"
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad U3-6(-135.871mm,42.754mm) on Top Layer And Text "C8'
Silk To Solder Mask Clearance Constraint: (Collision < 0.254mm) Between Pad U3-7(-135.871mm,43.254mm) on Top Layer And Text "C8'

Silk to Silk (Clearance=0.254mm) (All),(All)
Silk To Silk Clearance Constraint: (0.098mm < 0.254mm) Between Text "1" (-167.915mm,24.247mm) on Top Overlay And Track Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "1" (-70.7mm,17.354mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-107.5mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-130.9mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-173.5mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-196.9mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-41.5mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "5" (-64.825mm,83.294mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.198mm < 0.254mm) Between Text "8" (-61.5mm,26.454mm) on Top Overlay And Track Silk To Silk Clearance Constraint: (0.163mm < 0.254mm) Between Text "C46" (-160.012mm,41.927mm) on Top Overlay And Track
Silk To Silk Clearance Constraint: (0.247mm < 0.254mm) Between Text "C8" (-136.64mm,42.215mm) on Top Overlay And Track