



















Electrical Rules Check Report

Class	Document	Message
Error	BMS Carrier - Battery Relay	Duplicate Component Designators LED4
	Controls.SchDoc	
Error	BMS Carrier - Battery Relay	Duplicate Component Designators R35
	Controls.SchDoc	
Error	BMS Carrier - Battery Relay	Duplicate Component Designators R36
	Controls.SchDoc	
Error	BMS Carrier - Battery Relay	Duplicate Net Names Wire NetLED4_1
	Controls.SchDoc	
Warning	BMS Carrier - Connectors.SchDoc	Net PA8 has no driving source (Pin C12-1, Pin P2-7, Pin P12-2, Pin R35-5)
Warning	BMS Carrier - Connectors.SchDoc	Net PB2 has no driving source (Pin C8-1, Pin P2-15, Pin P8-2, Pin R35-8)
Warning	BMS Carrier - Connectors.SchDoc	Net PB10/USART3_TX/I2C2_SCL has no driving source (Pin C11-1, Pin P2-14, Pin P11-2,
		Pin R35-7)
Warning	BMS Carrier - Connectors.SchDoc	Net PB11/USART3_RX/I2C2_SDA has no driving source (Pin C9-1, Pin P2-13, Pin P9-2, Pin
		R35-6)

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Design Rules Verification ReportFilename: C:\Users\YCA42\hardware\MSXIV_BMS_Carrier_Board\BMS_Carrier_Board.Pc

Warnings 0 Rule Violations 159

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=0.152mm) (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=0.203mm) (Max=2.54mm) (Preferred=0.203mm) (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=5.08mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	159
Silk To Solder Mask (Clearance=0.254mm) (Disabled)(IsPad),(All)	0
Silk to Silk (Clearance=0.254mm) (Disabled)(All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	159

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Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)
Minimum Solder Mask Sliver Constraint: (0.172mm < 0.254mm) Between Pad C1-1(13.875mm,53.275mm) on Top Layer And Pad R3-1(13.6mm,51.9mm
Minimum Solder Mask Sliver Constraint: (0.172mm < 0.254mm) Between Pad C1-1(13.875mm,53.275mm) on Top Layer And Pad
Mana/hitaril Soutes Marsinshiver Constraint: (0.072mm < 0.254mm) Between Pad C1-1(13.875mm,53.275mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.021mm < 0.254mm) Between Pad C11-1(25.676mm,33.916mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.222mm < 0.254mm) Between Pad C1-2(13.875mm,55.025mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.254mm) Between Pad C12-1(48.401mm,33.9mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.222mm < 0.254mm) Between Pad C13-1(19.5mm, 9.6mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.222mm < 0.254mm) Between Pad C13-2(18.15mm,9.6mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.027mm < 0.254mm) Between Pad C15-1(22.357mm,6.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.039mm < 0.254mm) Between Pad C15-1(22.357mm,6.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.077mm < 0.254mm) Between Pad C18-1(22.364mm,18.05mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.039mm < 0.254mm) Between Pad C18-1(22.364mm,18.05mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad C2-1(10.425mm,55.4mm) on Top Layer And Pad C3-1(10.225mm,57.8mm)
Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad C21-1(23.405mm,55.899mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad C21-2(23.405mm,54.549mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad C2-2(12.175mm,55.4mm) on Top Layer And Pad C3-2(13.125mm,57.8mm
Minimum Solder Mask Sliver Constraint: (0.158mm < 0.254mm) Between Pad C24-1(54.55mm,62.665mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.158mm < 0.254mm) Between Pad C24-2(54.55mm,61.315mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C25-1(18.901mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C25-2(16.151mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C26-1(30.301mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C26-2(27.551mm.39mm) on Bottom Laver And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C27-1(41.701mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C27-2(38.951mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C28-1(53.101mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.071mm < 0.254mm) Between Pad C28-2(50.351mm,39mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.045mm < 0.254mm) Between Pad C30-1(38.651mm,46.238mm) on Bottom Layer And Via
Minimum Solder Mask Sliver Constraint: (0.095mm < 0.254mm) Between Pad C30-2(37.301mm.46.238mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.125mm < 0.254mm) Between Pad C7-2(48.751mm,46.237mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.035mm < 0.254mm) Between Pad C8-1(14.263mm,33.933mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.254mm) Between Pad C9-1(37.001mm,33.9mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.128mm < 0.254mm) Between Pad D2-2(11.825mm,16.35mm) on Top Layer And Via (13.01mm,16.9mm) from
Minimum Solder Mask Sliver Constraint: (0.127mm < 0.254mm) Between Pad D2-3(11.825mm,14.45mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.137mm < 0.254mm) Between Pad D4-1(36.678mm,61.69mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.125mm < 0.254mm) Between Pad K1-2(55.678mm,56.11mm) on Multi-Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.062mm < 0.254mm) Between Pad LED1-1(-0.136mm,61.71mm) on Top Layer And Pad
Rushalf-Onli-Sportde/ All Reskth Sliver Constraint: (0.062mm < 0.254mm) Between Pad LED1-2(1.364mm,61.71mm) on Top Layer And Pad R5-1(1.4mm,62.8mm)
Minimum Solder Mask Sliver Constraint: (0.095mm < 0.254mm) Between Pad LED3-1(53.9mm,43mm) on Top Layer And Pad R22-2(55.023mm,43mm)
Minimum Solder Mask Sliver Constraint: (0.095mm < 0.254mm) Between Pad LED3-2(53.9mm,44.5mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.069mm < 0.254mm) Between Pad LED4-1(37.7mm,43mm) on Top Layer And Pad R28-2(36.603mm,43mm)
Minimum Solder Mask Sliver Constraint: (0.069mm < 0.254mm) Between Pad LED4-2(37.7mm,44.5mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.183mm < 0.254mm) Between Pad LED5-1(9.51mm, 30.416mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.162mm < 0.254mm) Between Pad LED5-1(9.51mm, 30.416mm) on Top Layer And Pad
Manifold Sout 20 M รับรหาษิโเงer Constraint: (0.183mm < 0.254mm) Between Pad LED5-2(9.51mm, 28.916mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.162mm < 0.254mm) Between Pad LED5-2(9.51mm,28.916mm) on Top Layer And Pad R4-2(10.7mm,28.9mm)
Minimum Solder Mask Sliver Constraint: (0.105mm < 0.254mm) Between Pad P2-(4mm,22.05mm) on Multi-Layer And Pad P2-(5.5mm,22.8mm) on Top
Minimum Solder Mask Sliver Constraint: (0.105mm < 0.254mm) Between Pad P2-(4mm,7.95mm) on Multi-Layer And Pad P2-(5.5mm,7.2mm) on Top
Mily@mum Solder Mask Sliver Constraint: (0.247mm < 0.254mm) Between Pad P2-4(7.3mm,19.5mm) on Top Layer And Via (7.3mm,20.4mm) from Top
Minimum Solder Mask Sliver Constraint: (0.022mm < 0.254mm) Between Pad Q1-1(50.7mm,42.5mm) on Top Layer And Pad R24-2(50.7mm,41.4mm) on
Minimum Solder Mask Sliver Constraint: (0.022mm < 0.254mm) Between Pad Q2-1(39.3mm,42.5mm) on Top Layer And Pad R30-2(39.3mm,41.4mm) on
Minimum Solder Mask Sliver Constraint: (0.198mm < 0.254mm) Between Pad Q3-1(47.7mm,62.665mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.198mm < 0.254mm) Between Pad Q3-2(48.65mm,62.665mm) on Bottom Layer And Pad
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Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)
Minimum Solder Mask Sliver Constraint: (0.182mm < 0.254mm) Between Pad Q3-3(49.6mm,62.665mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.198mm < 0.254mm) Between Pad Q3-4(49.6mm,59.935mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.203mm < 0.254mm) Between Pad Q3-4(49.6mm,59.935mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.198mm < 0.254mm) Between Pad Q3-5(48.65mm,59.935mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.107mm < 0.254mm) Between Pad Q3-5(48.65mm,59.935mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.107mm < 0.254mm) Between Pad Q3-6(47.7mm,59.935mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.232mm < 0.254mm) Between Pad Q4-1(52.1mm,63.975mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.232mm < 0.254mm) Between Pad Q4-2(50.3mm,63.975mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R10-1(22.357mm,12.275mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.141mm < 0.254mm) Between Pad R10-1(22.357mm,12.275mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.163mm < 0.254mm) Between Pad R10-1(22.357mm,12.275mm) on Top Layer And Via
(AthithAumrsolae) Sliver Constraint: (0.038mm < 0.254mm) Between Pad R10-2(22.357mm,10.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.132mm < 0.254mm) Between Pad R10-2(22.357mm,10.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R10-2(22.357mm,10.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R10-2(22.357mm,10.725mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad R1-1(15.15mm,49.675mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.017mm < 0.254mm) Between Pad R1-2(13.6mm,49.675mm) on Top Layer And Pad R2-1(13.6mm,50.745mm)
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.254mm) Between Pad R13-1(17.38mm,18.05mm) on Top Layer And Pad
R114iril (1n). 38toler, Maskn Stilver Constraint: (0.097mm < 0.254mm) Between Pad R13-2(15.83mm, 18.05mm) on Top Layer And Pad
R114ira(ira. 83mm) ver Constraint: (0.217mm < 0.254mm) Between Pad R13-2(15.83mm, 18.05mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.238mm < 0.254mm) Between Pad R13-2(15.83mm,18.05mm) on Top Layer And Pad
RTINH Somer, Maskn Stilver Constraint: (0.238mm < 0.254mm) Between Pad R14-2(15.83mm, 16.9mm) on Top Layer And Pad
R1164ril (Irla: Souther, Mass Tisthver Constraint: (0.217mm < 0.254mm) Between Pad R14-2(15.83mm, 16.9mm) on Top Layer And Pad R19-1(14.56mm, 16.9mm)
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.15mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.155mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.203mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.23mm < 0.254mm) Between Pad R15-1(22.364mm,20.78mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R15-2(22.364mm,19.23mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R15-2(22.364mm,19.23mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R15-2(22.364mm,19.23mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R17-1(22.364mm,23.533mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R17-1(22.364mm,23.533mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.163mm < 0.254mm) Between Pad R17-1(22.364mm,23.533mm) on Top Layer And Via
(ជារារដ្ឋាភិបាល Sliver Constraint: (0.038mm < 0.254mm) Between Pad R17-2(22.364mm,21.983mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R17-2(22.364mm,21.983mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R17-2(22.364mm,21.983mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.134mm < 0.254mm) Between Pad R17-2(22.364mm,21.983mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.097mm < 0.254mm) Between Pad R18-1(14.56mm,18.05mm) on Top Layer And Pad
RTI Firit (Irla: Souther, Maskn Stilver Constraint: (0.097mm < 0.254mm) Between Pad R18-2(13.01mm, 18.05mm) on Top Layer And Pad
R116/r3(1/r3.Stotoler, Maskn Sti)ver Constraint: (0.222mm < 0.254mm) Between Pad R18-2(13.01mm, 18.05mm) on Top Layer And Via (13.01mm, 16.9mm) from
Minimum Solder Mask Sliver Constraint: (0.222mm < 0.254mm) Between Pad R19-2(13.01mm,16.9mm) on Top Layer And Via (12.985mm,18.05mm)
Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R2-1(13.6mm,50.745mm) on Top Layer And Pad R3-1(13.6mm,51.9mm)
Minimum Solder Mask Sliver Constraint: (0.072mm < 0.254mm) Between Pad R2-1(13.6mm,50.745mm) on Top Layer And Pad
Min#hilan#Solider,50a85r8liver Constraint: (0.227mm < 0.254mm) Between Pad R2-1(13.6mm,50.745mm) on Top Layer And Via (13.6mm,51.9mm) from
Maximum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-10(21.875mm,56.2mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-11(21.367mm,56.2mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.216mm < 0.254mm) Between Pad R21-11(21.367mm,56.2mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-12(20.859mm,56.2mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.173mm < 0.254mm) Between Pad R21-12(20.859mm,56.2mm) on Top Layer And Pad

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Minimum Solder Mask Sliver Constraint: (0.187mm < 0.254mm) Between Pad R21-13(20.351mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.187mm < 0.254mm) Between Pad R21-13(20.351mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.244mm < 0.254mm) Between Pad R21-14(19.843mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-14(19.843mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-15(19.335mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-15(19.335mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.194mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.194mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.216mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R22-1(52.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R22-2(15.15mm,50.745mm) on Top Layer And Pad R3-2(15.15mm,51.9mm) Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R2-2(15.15mm,50.745mm) on Top Layer And Pad R26-1(47.95mm,41.4mm) Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad R4 R26-1(47.95mm,41.4mm) Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R3-1(13.6mm,51.9mm) on Top Layer And Pad U1-4(12.475
Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-13(20.351mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.244mm < 0.254mm) Between Pad R21-14(19.843mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-15(19.335mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.216mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R2-2(15.15mm,50.745mm) on Top Layer And Pad R3-2(15.15mm,51.9mm) Minimum Solder Mask Sliver Constraint: (0.227mm < 0.254mm) Between Pad R2-2(15.15mm,50.745mm) on Top Layer And Pad R3-2(15.15mm,51.9mm) Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R2-1(49.15mm,41.4mm) on Top Layer And Pad R26-1(47.95mm,41.4mm) Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R35-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.072mm < 0.254mm) Between Pad R35-1(24.004mm,59.125mm) on Top Layer And Pad U1-4(12.475mm,59.95mm) Minimum Solder Mask Sliver Constraint: (0.072mm < 0.254mm) Between Pad R3-1(13.6mm,51.9mm) on Top Layer A
Minimum Solder Mask Sliver Constraint: (0.244mm < 0.254mm) Between Pad R21-14(19.843mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-15(19.335mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.166mm < 0.254mm) Between Pad R21-15(19.335mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.194mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.216mm < 0.254mm) Between Pad R21-16(18.827mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.216mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R21-9(22.383mm,56.2mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.102mm < 0.254mm) Between Pad R2-2(15.15mm,50.745mm) on Top Layer And Pad R3-2(15.15mm,51.9mm) Minimum Solder Mask Sliver Constraint: (0.227mm < 0.254mm) Between Pad R2-2(15.15mm,50.745mm) on Top Layer And Pad R26-1(47.95mm,41.4mm) Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R24-1(49.15mm,41.4mm) on Top Layer And Pad R26-1(47.95mm,41.4mm) Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.235mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.082mm < 0.254mm) Between Pad R25-1(24.004mm,59.125mm) on Top Layer And Pad Minimum Solder Mask Sliver Constraint: (0.163mm < 0.254mm) Between Pad R3-1(13.6mm,51.9mm) on Top Layer And Pad U1-4(12.475mm,50.95mm) Minimum Solder Mask Sliver Constraint: (0.163mm < 0.254mm) Between Pad R3-1(13.6mm,51.9mm) on Top Layer And Pad U1-4(12.475mm,50.95mm) Minimum Solder Mask Sliver Constraint: (0.163mm < 0.254mm) Between Pad R3-1(3.6mm,51.9mm)
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Minimum Solder Mask Sliver Constraint: (0.147mm < 0.254mm) Between Pad R33-1(50.9mm,62.665mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.136mm < 0.254mm) Between Pad R34-1(52.1mm,61.115mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.136mm < 0.254mm) Between Pad R34-2(52.1mm,62.665mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-1(16.175mm,29.889mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-2(16.175mm,29.339mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-3(16.175mm,28.839mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-5(15.175mm,28.289mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-6(15.175mm,28.839mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad R37-7(15.175mm,29.339mm) on Bottom Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.206mm < 0.254mm) Between Pad R41-1(11.1mm,7.241mm) on Top Layer And Pad R43-1(11.1mm,8.5mm)
Minimum Solder Mask Sliver Constraint: (0.072mm < 0.254mm) Between Pad R41-2(12.65mm,7.241mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.206mm < 0.254mm) Between Pad R41-2(12.65mm,7.241mm) on Top Layer And Pad R43-2(12.65mm,8.5mm)
Minimum Solder Mask Sliver Constraint: (0.218mm < 0.254mm) Between Pad R41-2(12.65mm,7.241mm) on Top Layer And Pad
Markinh (Jin): 85 Totalem Waskin 81) wer Constraint: (0.197mm < 0.254mm) Between Pad R41-2(12.65mm, 7.241mm) on Top Layer And Via (13.775mm, 7.266mm)
Minimum Solder Mask Sliver Constraint: (0.218mm < 0.254mm) Between Pad R42-1(13.775mm,7.241mm) on Top Layer And Pad
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Minimum Solder Mask Sliver Constraint: (0.072mm < 0.254mm) Between Pad R43-2(12.65mm,8.5mm) on Top Layer And Pad R44-1(13.775mm,8.5mm)
Minimum Solder Mask Sliver Constraint: (0.197mm < 0.254mm) Between Pad R43-2(12.65mm,8.5mm) on Top Layer And Via (13.775mm,8.5mm) from
Mapimum Solder Mask Sliver Constraint: (0.162mm < 0.254mm) Between Pad R5-1(1.4mm,62.8mm) on Top Layer And Via (1.364mm,61.71mm) from Top
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R8-1(22.357mm,9.405mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.203mm < 0.254mm) Between Pad R8-1(22.357mm,9.405mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R8-1(22.357mm,9.405mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R8-1(22.357mm,9.405mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.23mm < 0.254mm) Between Pad R8-1(22.357mm,9.405mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R8-2(22.357mm,7.855mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.038mm < 0.254mm) Between Pad R8-2(22.357mm,7.855mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.131mm < 0.254mm) Between Pad R8-2(22.357mm,7.855mm) on Top Layer And Pad
Minimum Solder Mask Sliver Constraint: (0.197mm < 0.254mm) Between Pad U1-5(12.475mm,51.9mm) on Top Layer And Via (13.6mm,51.9mm) from
Mapimum Solder Mask Sliver Constraint: (0.204mm < 0.254mm) Between Pad U2-12(21.007mm,9.675mm) on Top Layer And Via (21mm,10.4mm) from
Maximum Solder Mask Sliver Constraint: (0.229mm < 0.254mm) Between Pad U3-12(21.014mm,21.05mm) on Top Layer And Via (21mm,21.8mm) from
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Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)

Minimum Solder Mask Sliver Constraint: (0.23mm < 0.254mm) Between Pad U3-15(21.014mm,22.551mm) on Top Layer And Via (21mm,21.8mm) from Mapimum Solder Mask Sliver Constraint: (0.128mm < 0.254mm) Between Pad U4-10(22.525mm,63.55mm) on Top Layer And Via (23.381mm,63.55mm) Minimum Solder Mask Sliver Constraint: (0.047mm < 0.254mm) Between Pad U4-7(22.525mm,57.65mm) on Top Layer And Via (23.3mm,57.6mm) from

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