

## Electrical Rules Check Report

Class	Document	Message
Warning	201_USB3Hub.SchDoc	Global Power-Object +1V05 at 2700mil,15100mil has been reduced to local level by presence of port at 1000mil,14400mil
Warning	003_Power.SchDoc	Global Power-Object +1V05 at 19500mil,14100mil has been reduced to local level by presence of port at 21000mil,13200mil
Warning	201_USB3Hub.SchDoc	Global Power-Object +3V3 at 2400mil,15100mil has been reduced to local level by presence of port at 1000mil,14600mil
Warning	003_Power.SchDoc	Global Power-Object +3V3 at 19800mil,14100mil has been reduced to local level by presence of port at 21000mil,13400mil
Warning	101_RPiCM4.SchDoc	Global Power-Object +5VR at 1600mil,14100mil has been reduced to local level by presence of port at 1000mil,14000mil
Warning	003_Power.SchDoc	Global Power-Object +5VR at 20400mil,14100mil has been reduced to local level by presence of port at 21000mil,13800mil
Warning	101_RPiCM4.SchDoc	Global Power-Object GND at 17200mil,700mil has been reduced to local level by presence of port at 16600mil,800mil
Warning	201_USB3Hub.SchDoc	Global Power-Object GND at 17200mil,700mil has been reduced to local level by presence of port at 16600mil,800mil
Warning	003_Power.SchDoc	Global Power-Object GND at 17200mil,700mil has been reduced to local level by presence of port at 16600mil,800mil
Warning	301_USB3Framework.SchDoc	Global Power-Object GND at 17200mil,700mil has been reduced to local level by presence of port at 16600mil,800mil
Warning	201_USB3Hub.SchDoc	Global Power-Object VPWR at 1800mil,15100mil has been reduced to local level by presence of port at 1000mil,15000mil
Warning	003_Power.SchDoc	Global Power-Object VPWR at 20700mil,14100mil has been reduced to local level by presence of port at 21000mil,14000mil
Warning	201_USB3Hub.SchDoc	Multiple Harness Types on harness , H0
Warning	201_USB3Hub.SchDoc	Multiple Harness Types on harness , H1
Warning	201_USB3Hub.SchDoc	Multiple Harness Types on harness , H2
Warning	301_USB3Framework.SchDoc	Multiple Harness Types on harness , HF0
Warning	301_USB3Framework.SchDoc	Multiple Harness Types on harness , HF1
Warning	201_USB3Hub.SchDoc	Multiple Harness Types on harness , HG
Warning	101_RPiCM4.SchDoc	Net CK_N has no driving source (Pin CO103-12, Pin MO102-190)
Warning	101_RPiCM4.SchDoc	Net CK_P has no driving source (Pin CO103-10, Pin MO102-188)
Warning	101_RPiCM4.SchDoc	Net HDMI_SCL has no driving source (Pin CO103-15, Pin MO102-200)
Warning	101_RPiCM4.SchDoc	Net NPI_LED_PWR has no driving source (Pin IC102-2, Pin MO101-95)
Warning	001_OverView Tower1.SchDoc	Nets Wire GND has multiple names (Power Object GND (108), Power Object SHD (6), Sheet Entry Power-GND(Passive), Sheet Entry Raspberry Pi Compute Module 4-GND(Passive), Sheet Entry USB3 Hub-GND(Passive), Sheet Entry USB-C Framework-GND(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire I2C_SCL has multiple names (Net Label I2C_SCL (5), Sheet Entry Power-Control.SCL(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.SCL(Passive), Sheet Entry USB3 Hub-Control.SCL(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire I2C_SDA has multiple names (Net Label I2C_SDA (5), Sheet Entry Power-Control.SDA(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.SDA(Passive), Sheet Entry USB3 Hub-Control.SDA(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_CLK_N has multiple names (Net Label PCIE_CLK_N (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_CLK_N(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_CLK_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_CLK_NREQ has multiple names (Net Label PCIE_CLK_NREQ (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_CLK_NREQ(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_CLK_NREQ(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_CLK_P has multiple names (Net Label PCIE_CLK_P (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_CLK_P(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_CLK_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_Nrst has multiple names (Net Label PCIE_Nrst (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_Nrst(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_Nrst(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_RX_N has multiple names (Net Label PCIE_RX_N (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_RX_N(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_RX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_RX_P has multiple names (Net Label PCIE_RX_P (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_RX_P(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_RX_P(Passive))

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Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_TX_N has multiple names (Net Label PCIE_TX_N (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_TX_N(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_TX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire PCIE_TX_P has multiple names (Net Label PCIE_TX_P (4), Sheet Entry Raspberry Pi Compute Module 4-PCIE.PCIE_TX_P(Passive), Sheet Entry USB3 Hub-PCIE.PCIE_TX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_N has multiple names (Net Label USB0_N (5), Sheet Entry Power-USB0.USB0_N(Passive), Sheet Entry USB3 Hub-USB0.USB0_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_P has multiple names (Net Label USB0_P (5), Sheet Entry Power-USB0.USB0_P(Passive), Sheet Entry USB3 Hub-USB0.USB0_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_RX_N has multiple names (Net Label USB0_RX_N (5), Sheet Entry Power-USB0.USB0_RX_N(Passive), Sheet Entry USB3 Hub-USB0.USB0_RX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_RX_P has multiple names (Net Label USB0_RX_P (5), Sheet Entry Power-USB0.USB0_RX_P(Passive), Sheet Entry USB3 Hub-USB0.USB0_RX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_TX_N has multiple names (Net Label USB0_TX_N (5), Sheet Entry Power-USB0.USB0_TX_N(Passive), Sheet Entry USB3 Hub-USB0.USB0_TX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB0_TX_P has multiple names (Net Label USB0_TX_P (5), Sheet Entry Power-USB0.USB0_TX_P(Passive), Sheet Entry USB3 Hub-USB0.USB0_TX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USB_RESET has multiple names (Net Label USB_RESET (3), Sheet Entry Power-Control.USB_RESET(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.USB_RESET(Passive), Sheet Entry USB3 Hub-Control.USB_RESET(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_5V has multiple names (Net Label USBF0_5V (5), Sheet Entry USB3 Hub-USBF0.USBF0_5V(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_5V(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_CC1 has multiple names (Net Label USBF0_CC1 (4), Sheet Entry USB3 Hub-USBF0.USBF0_CC(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_CC(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_CC2 has multiple names (Net Label USBF0_CC2 (4), Sheet Entry USB3 Hub-USBF0.USBF0_SBU(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_SBU(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_GPIO1 has multiple names (Net Label USBF0_GPIO1 (5), Sheet Entry Power-Control.USBF0_GPIO1(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.USBF0_GPIO1(Passive), Sheet Entry USB3 Hub-Control.USBF0_GPIO1(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_GPIO2 has multiple names (Net Label USBF0_GPIO2 (5), Sheet Entry Power-Control.USBF0_GPIO2(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.USBF0_GPIO2(Passive), Sheet Entry USB3 Hub-Control.USBF0_GPIO2(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_N has multiple names (Net Label USBF0_N (6), Sheet Entry USB3 Hub-USBF0.USBF0_N(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_P has multiple names (Net Label USBF0_P (6), Sheet Entry USB3 Hub-USBF0.USBF0_P(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_RX_N has multiple names (Net Label USBF0_RX_N (5), Sheet Entry USB3 Hub-USBF0.USBF0_RX_N(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_RX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_RX_P has multiple names (Net Label USBF0_RX_P (5), Sheet Entry USB3 Hub-USBF0.USBF0_RX_P(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_RX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_TX_N has multiple names (Net Label USBF0_TX_N (5), Sheet Entry USB3 Hub-USBF0.USBF0_TX_N(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_TX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF0_TX_P has multiple names (Net Label USBF0_TX_P (5), Sheet Entry USB3 Hub-USBF0.USBF0_TX_P(Passive), Sheet Entry USB-C Framework-USBF0.USBF0_TX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_5V has multiple names (Net Label USBF1_5V (5), Sheet Entry USB3 Hub-USBF1.USBF1_5V(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_5V(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_CC1 has multiple names (Net Label USBF1_CC1 (4), Sheet Entry USB3 Hub-USBF1.USBF1_CC(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_CC(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_CC2 has multiple names (Net Label USBF1_CC2 (4), Sheet Entry USB3 Hub-USBF1.USBF1_SBU(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_SBU(Passive))

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Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_GPIO1 has multiple names (Net Label USBF1_GPIO1 (5), Sheet Entry Power-Control.USBF1_GPIO1(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.USBF1_GPIO1(Passive), Sheet Entry USB3 Hub-Control.USBF1_GPIO1(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_GPIO2 has multiple names (Net Label USBF1_GPIO2 (5), Sheet Entry Power-Control.USBF1_GPIO2(Passive), Sheet Entry Raspberry Pi Compute Module 4-Control.USBF1_GPIO2(Passive), Sheet Entry USB3 Hub-Control.USBF1_GPIO2(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_N has multiple names (Net Label USBF1_N (6), Sheet Entry USB3 Hub-USBF1.USBF1_N(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_P has multiple names (Net Label USBF1_P (6), Sheet Entry USB3 Hub-USBF1.USBF1_P(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_RX_N has multiple names (Net Label USBF1_RX_N (5), Sheet Entry USB3 Hub-USBF1.USBF1_RX_N(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_RX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_RX_P has multiple names (Net Label USBF1_RX_P (5), Sheet Entry USB3 Hub-USBF1.USBF1_RX_P(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_RX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_TX_N has multiple names (Net Label USBF1_TX_N (5), Sheet Entry USB3 Hub-USBF1.USBF1_TX_N(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_TX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBF1_TX_P has multiple names (Net Label USBF1_TX_P (5), Sheet Entry USB3 Hub-USBF1.USBF1_TX_P(Passive), Sheet Entry USB-C Framework-USBF1.USBF1_TX_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBG_N has multiple names (Net Label USBG_N (6), Sheet Entry Power-USBG.USBG_N(Passive), Sheet Entry USB3 Hub-USBG.USBG_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBG_P has multiple names (Net Label USBG_P (6), Sheet Entry Power-USBG.USBG_P(Passive), Sheet Entry USB3 Hub-USBG.USBG_P(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBG_RX_N has multiple names (Net Label USBG_RX_N (5), Sheet Entry Power-USBG.USBG_RX_N(Passive), Sheet Entry USB3 Hub-USBG.USBG_RX_N(Passive))
Warning	001_OverView Tower1.SchDoc	Nets Wire USBG_RX_P has multiple names (Net Label USBG_RX_P (5), Sheet Entry Power-USBG.USBG_RX_P(Passive), Sheet Entry USB3 Hub-USBG.USBG_RX_P(Passive))
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