

P3449-B01

Jetson Nano Developer Kit Carrier Board

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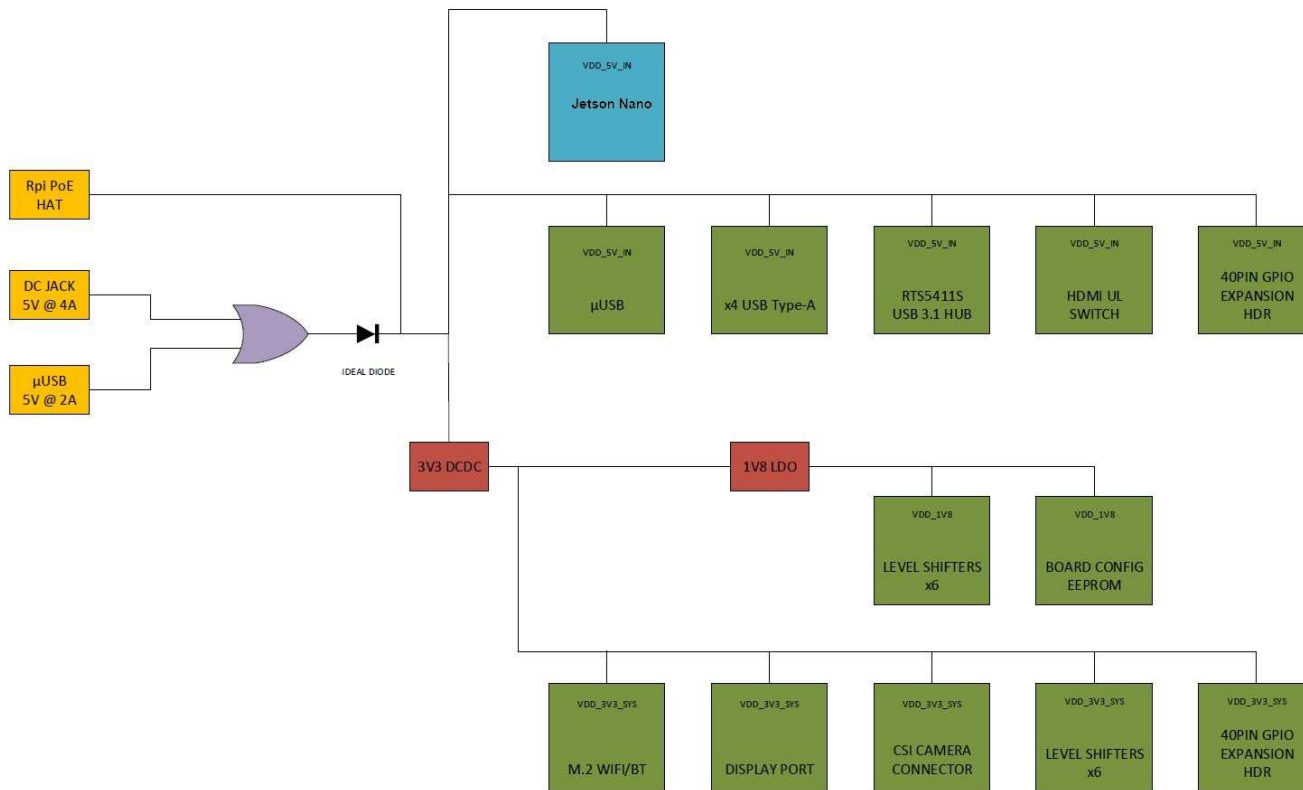
Page	Description
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P3449 I2C Port Assignments	
Slave Device	BUS:Device address
BOARDID EEPROM	I2C Gen 3 : 757h
RTSS411S USB3.1 HUB	CAM I2C : 76Ah
M.2 KEY-E WIFI/BT	I2C Gen 3 : TBD

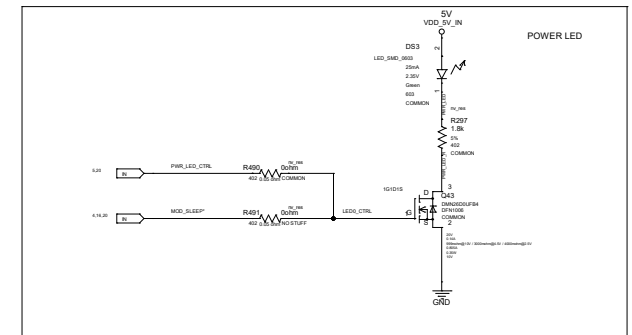
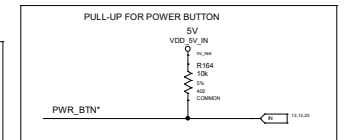
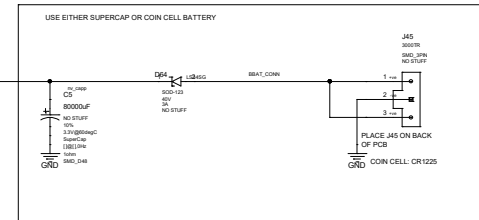
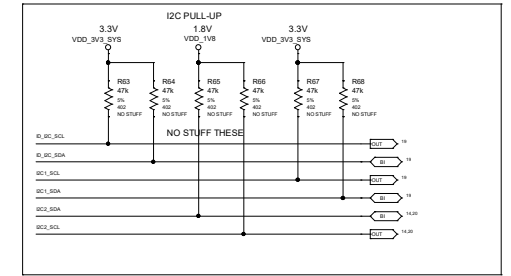
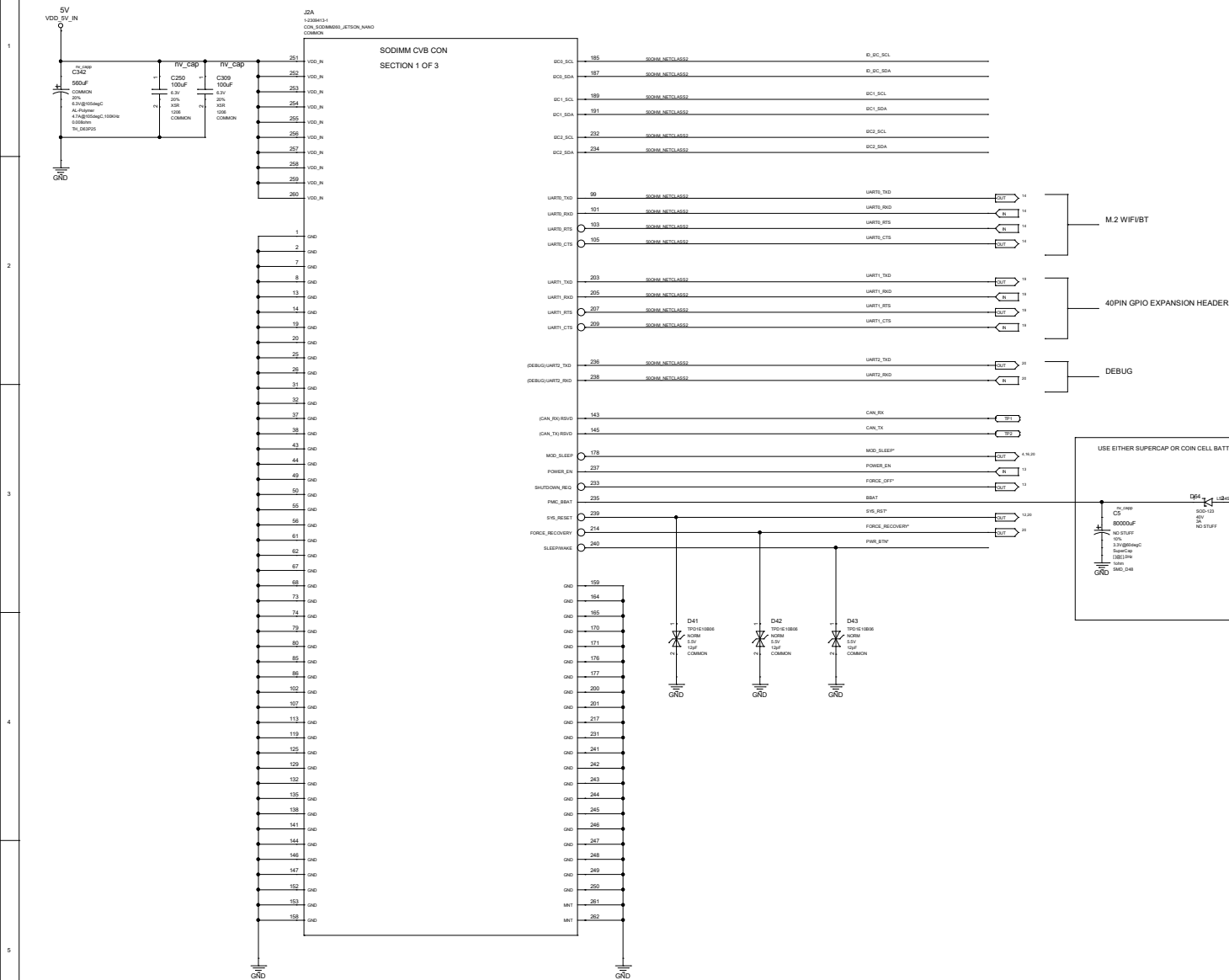
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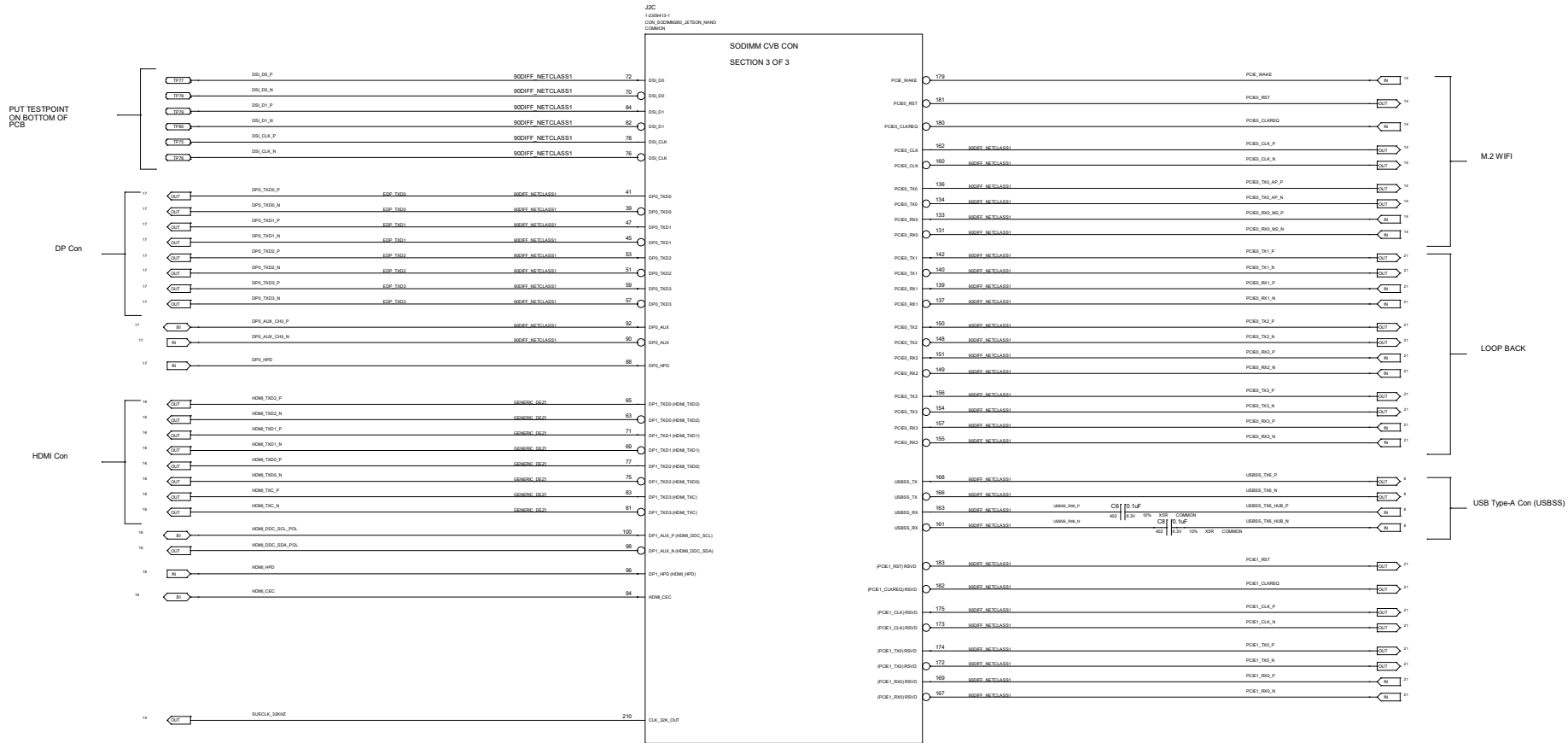
Power Tree



UART, I2C, CAN and GPIOs



HDMI, DP, DSI, USBSS and PCIe

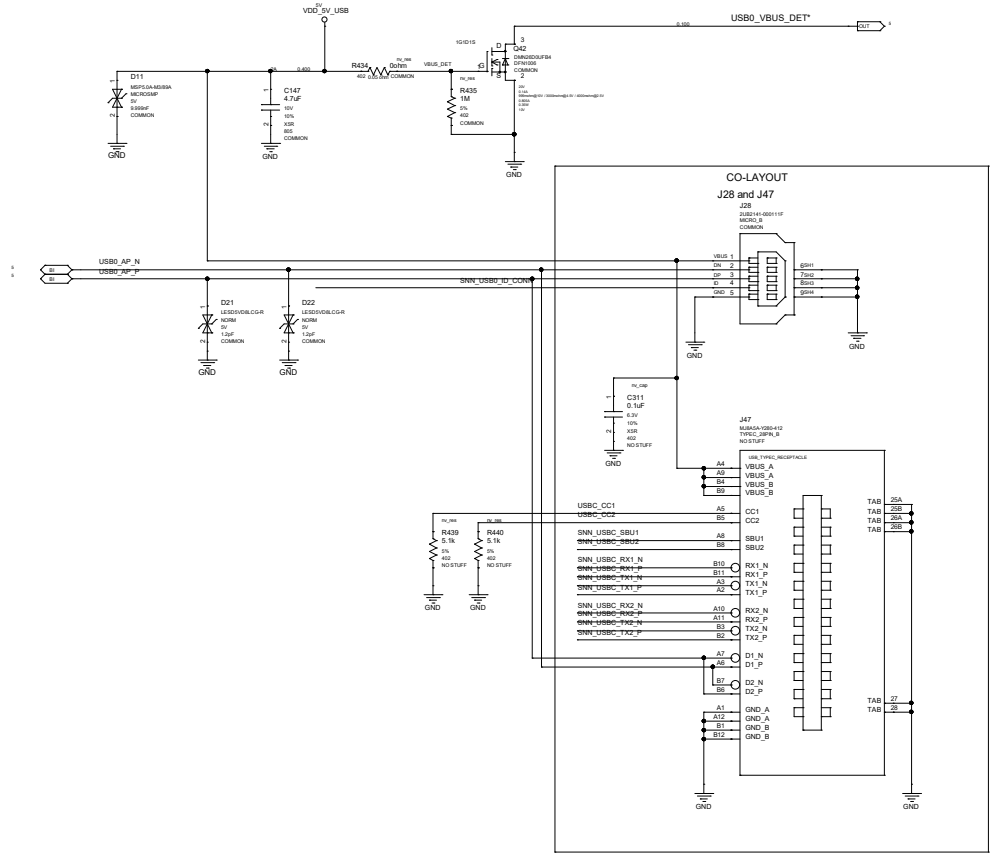


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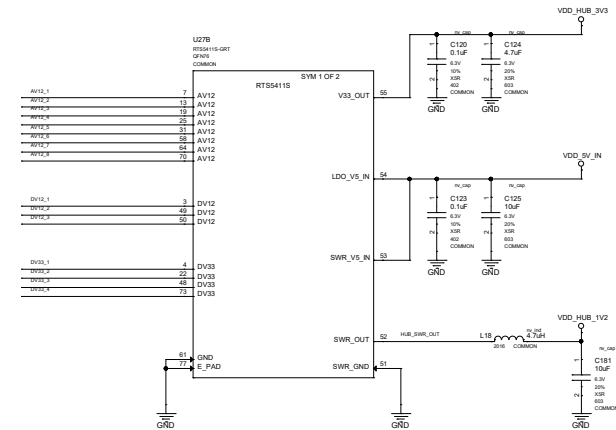
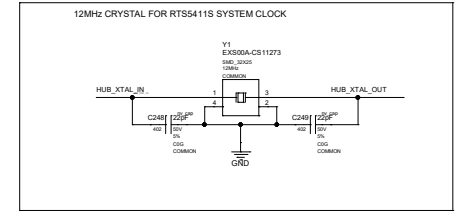
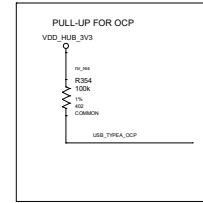
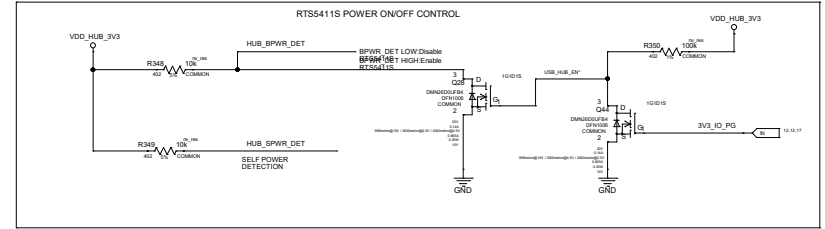
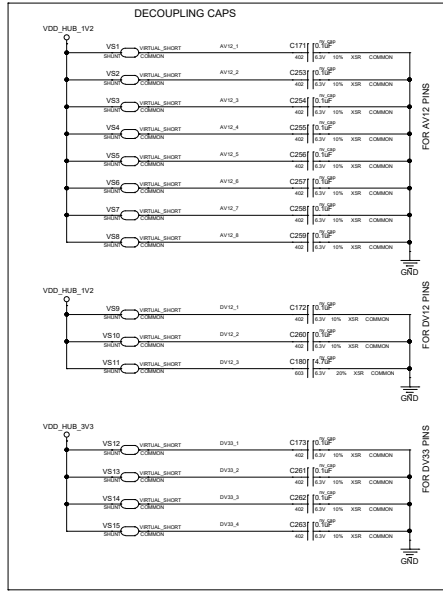
ASSEMBLY	ASSEMBLY DESCRIPTION
PAGE DETAIL	SODIMM connector 3/3

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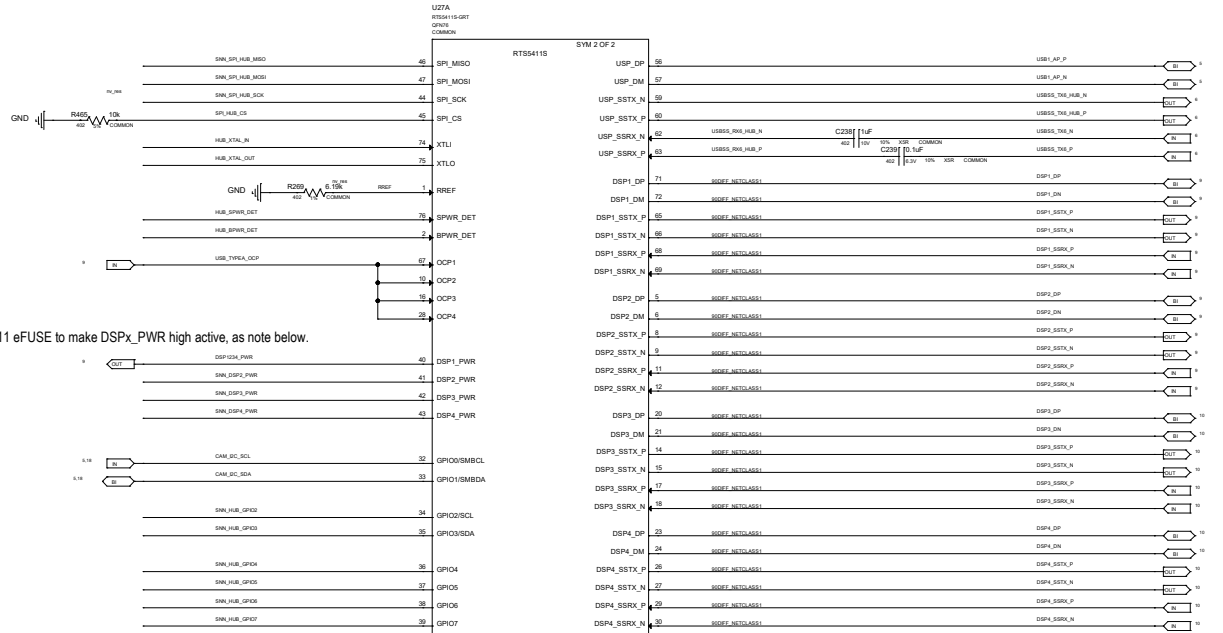
MICRO AB USB 2.0 CONNECTOR



USB3.1 HUB x4 PORTS



Update RTS5411 eFUSE to make DSPx_PWR high active, as note below.



I2C slave addr: 71101010b = 7h6A

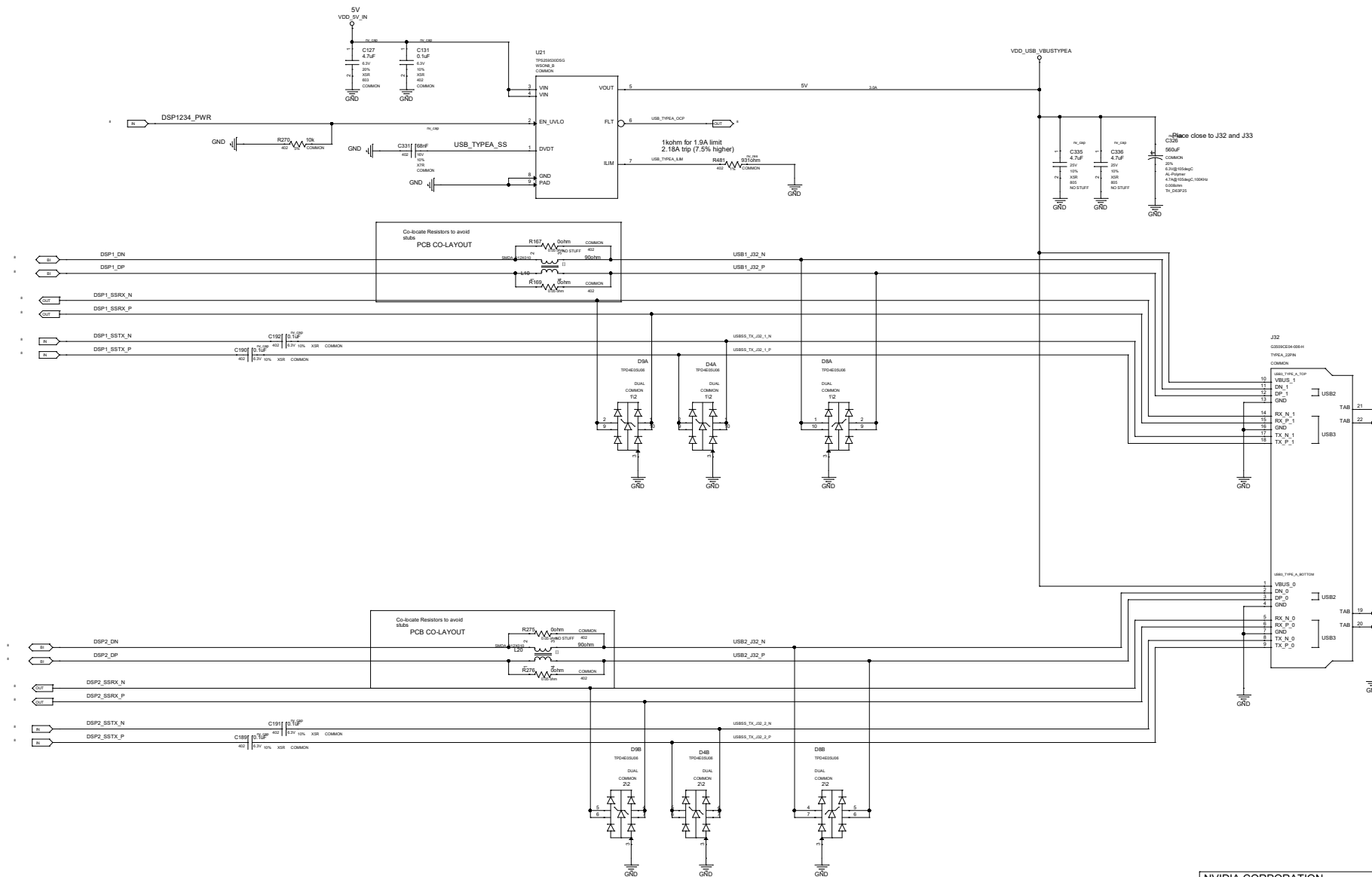
SPI Flash was removed from B01, customize RTS5411 internal eFuse (DSP1/2/3/4_PWR High active, disable charging feature, SSC valid) with Realtek tool.

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USB 3.0 TYPE A x2 CONNECTOR (1 OF 2)



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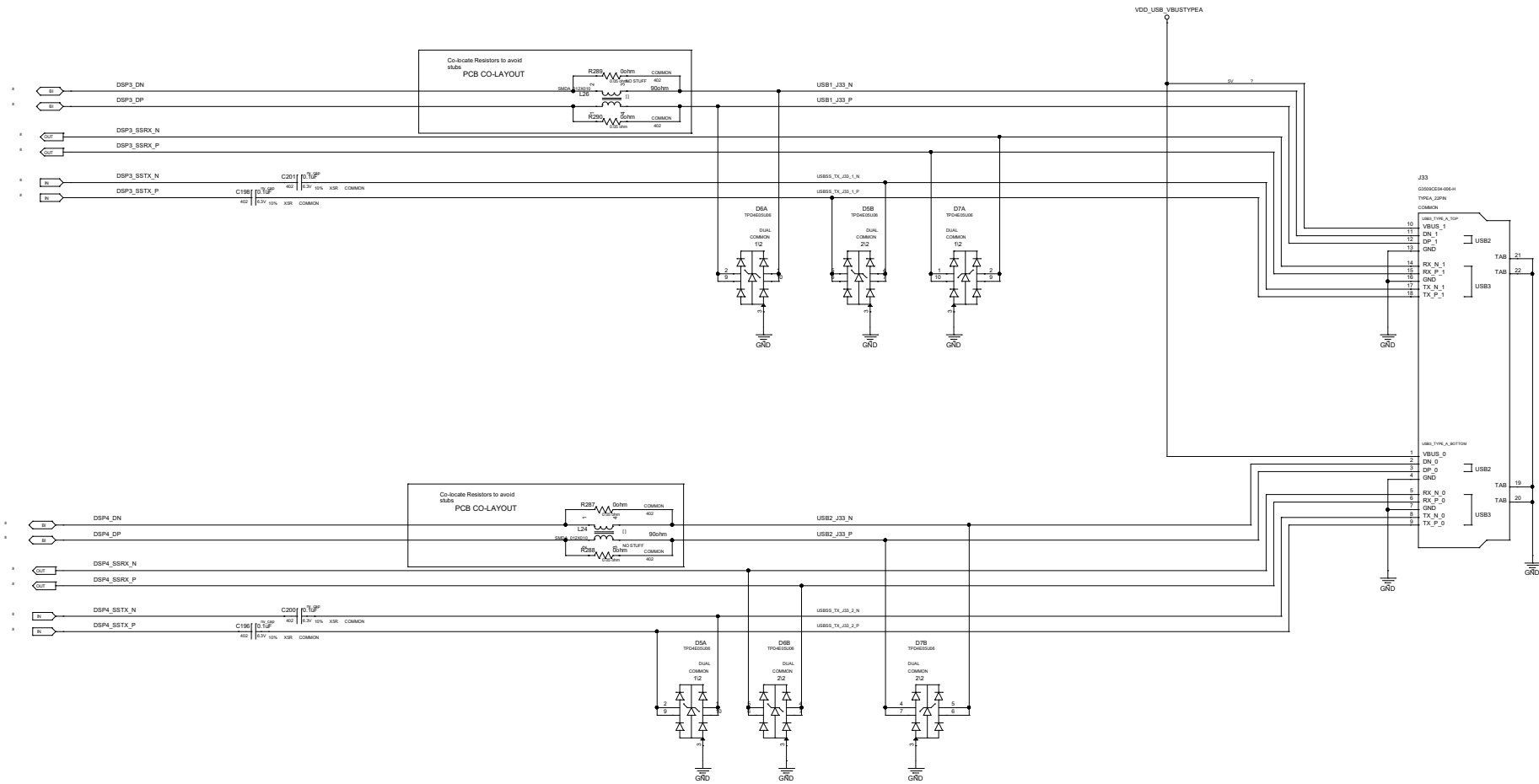
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A horizontal number line with two points marked by vertical tick marks. The point on the left is labeled 'H' and the point on the right is labeled 'I'.

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USB 3.0 TYPE A x2 CONNECTOR (2 OF 2)



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DC JACK AND uUSB POWER SOURCE SELECTION



PLUG 5.5mm OD, 2.0mm ID

ASSEMBLY	<ASSEMBLY_DESCRIPTION>
PAGE DETAIL	DC 100%

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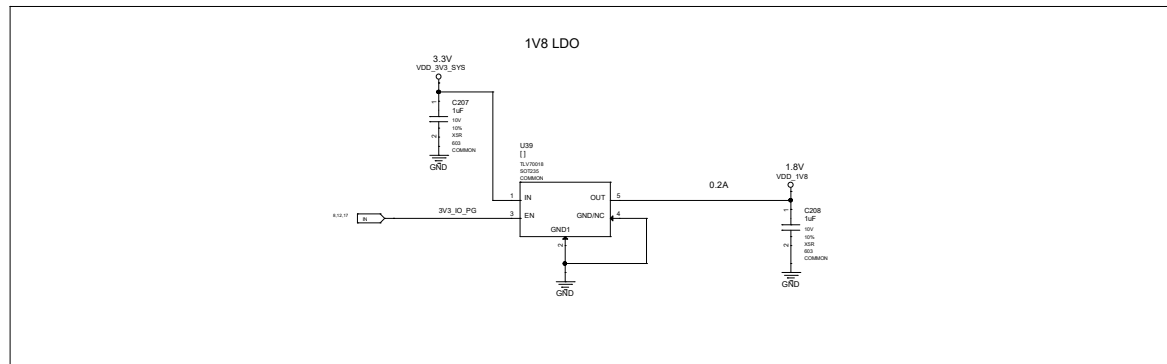
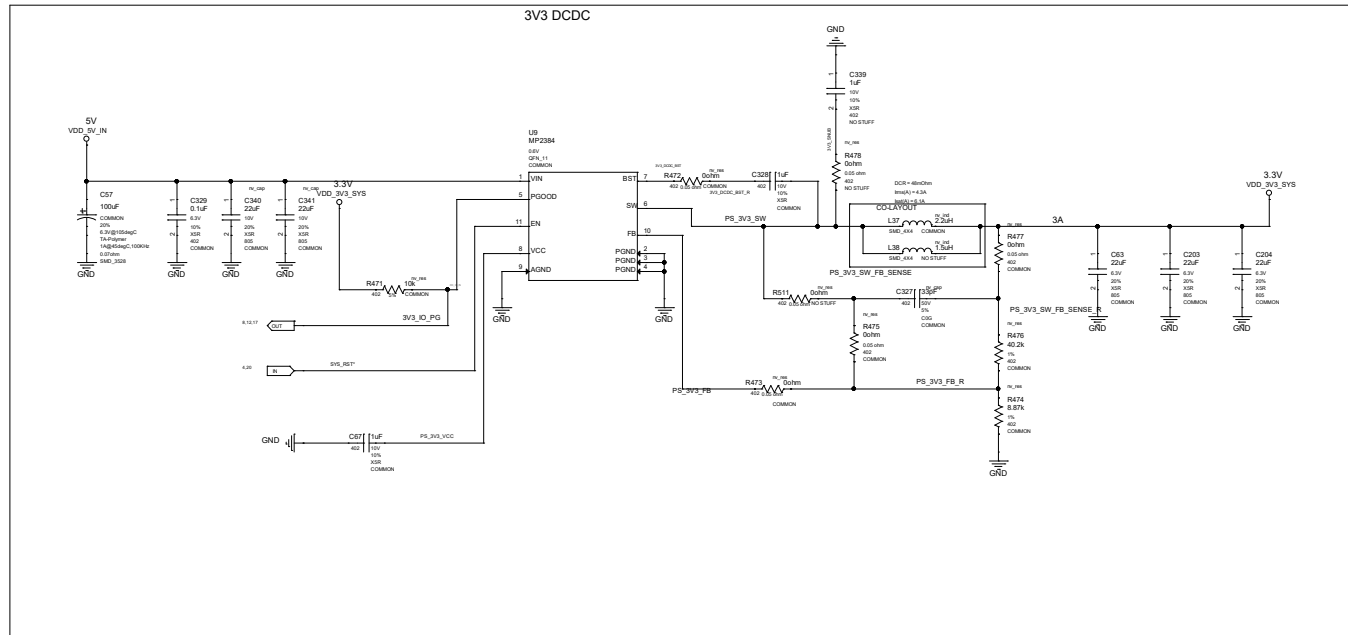
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3V3 & 1V8 POWER SUPPLIES



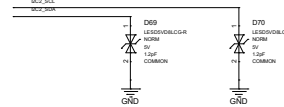
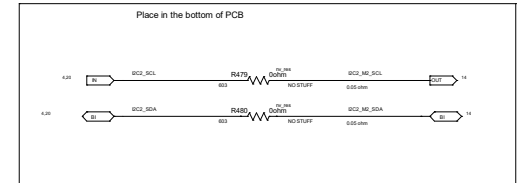
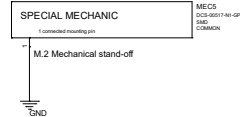
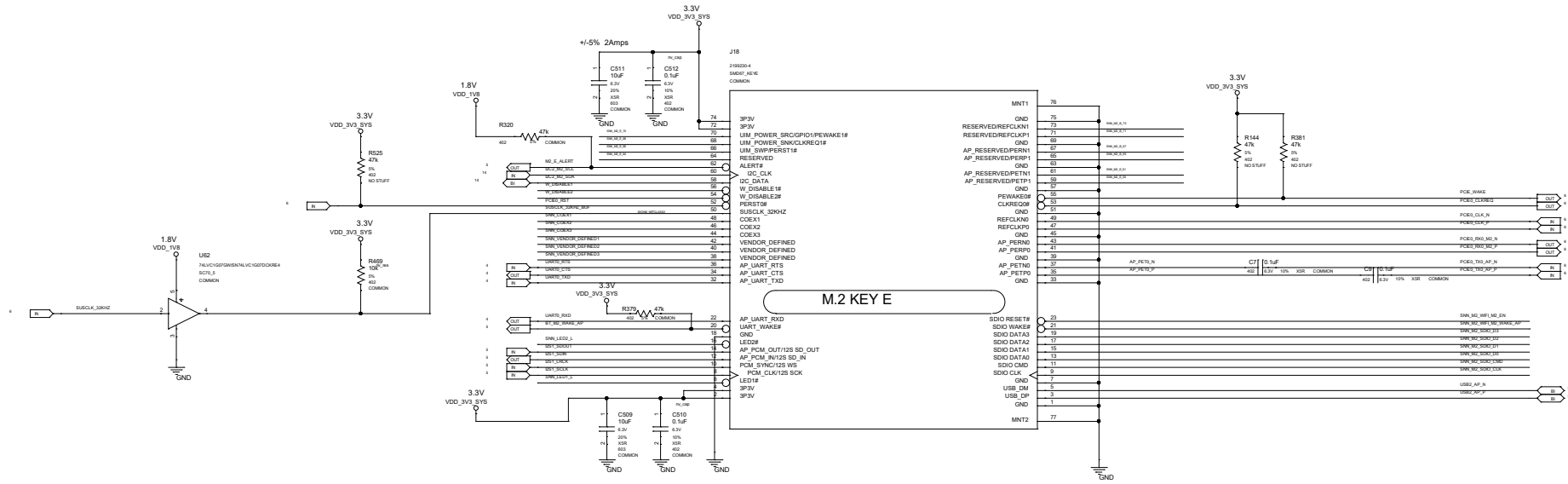
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M.2 KEY E



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PAGE DETAIL	M.2 Key E

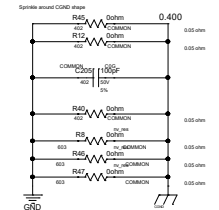
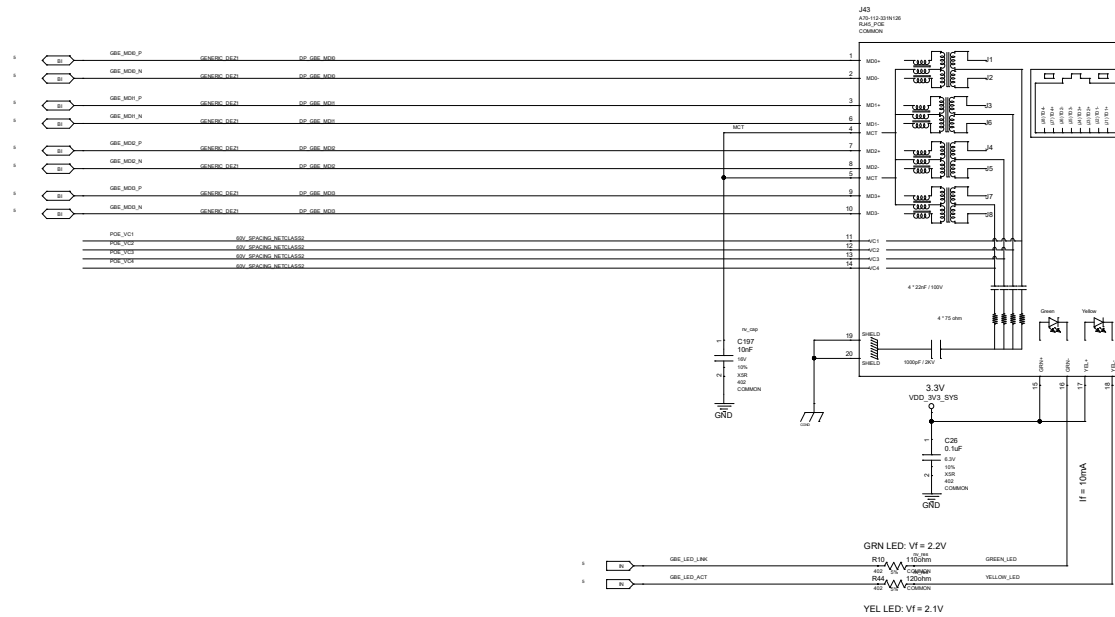
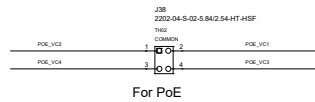
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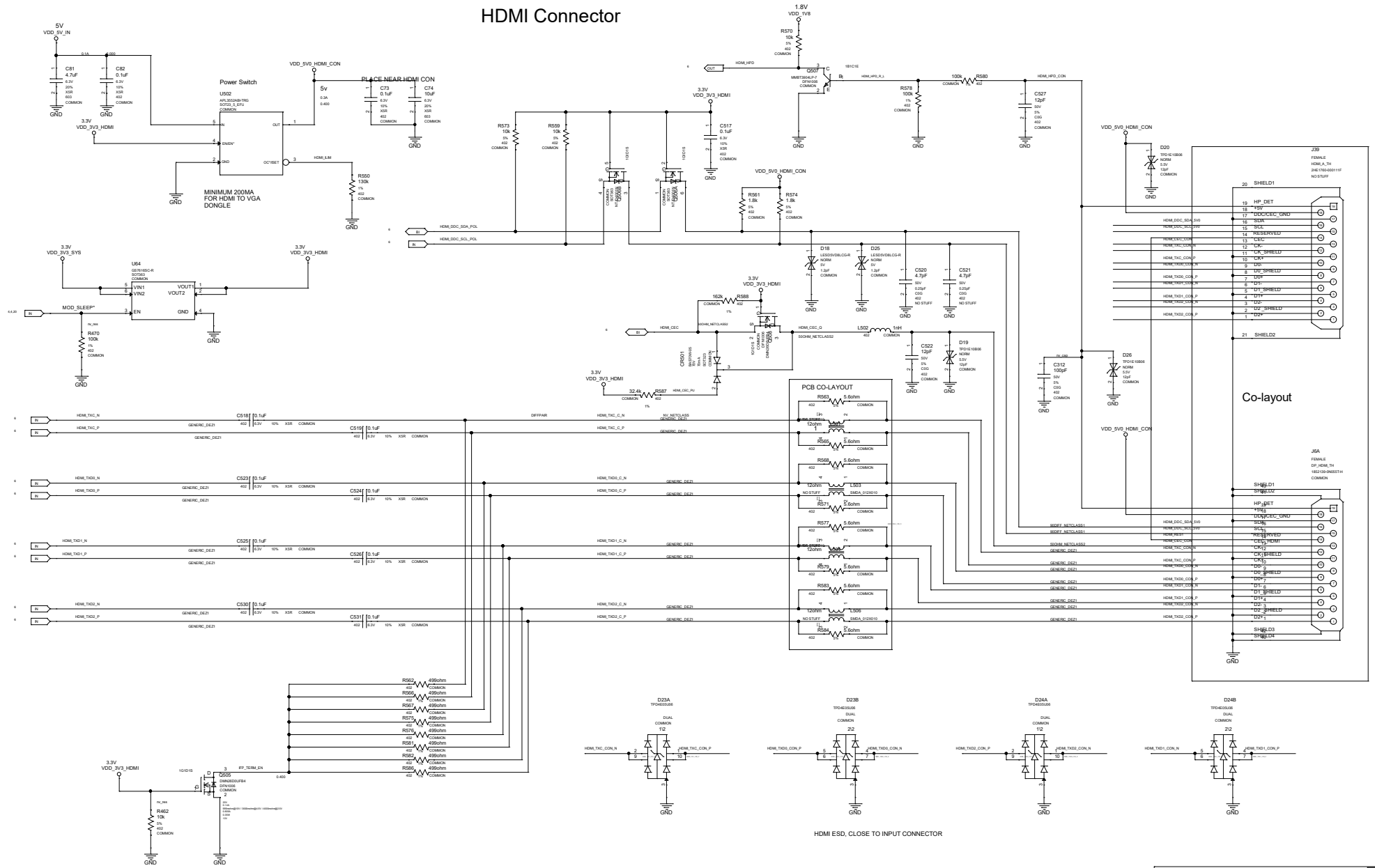
Gigabit Ethernet with PoE



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HDMI Connector

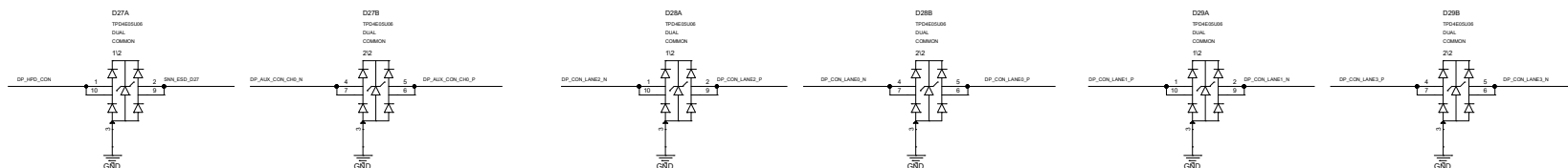
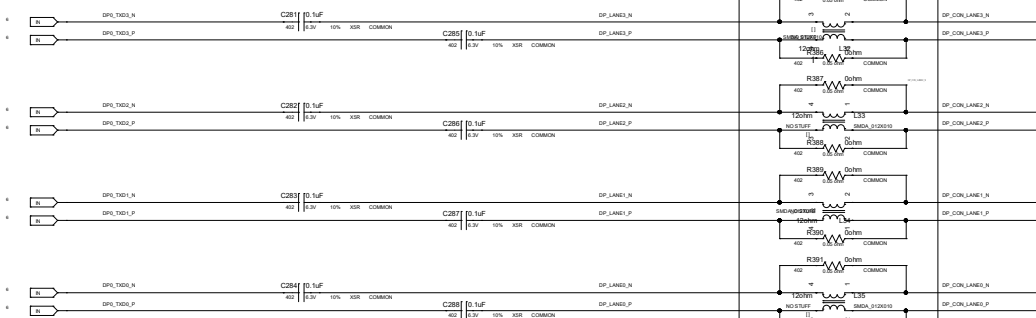
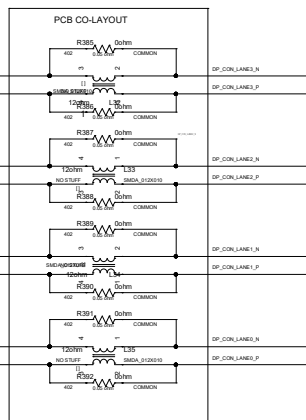
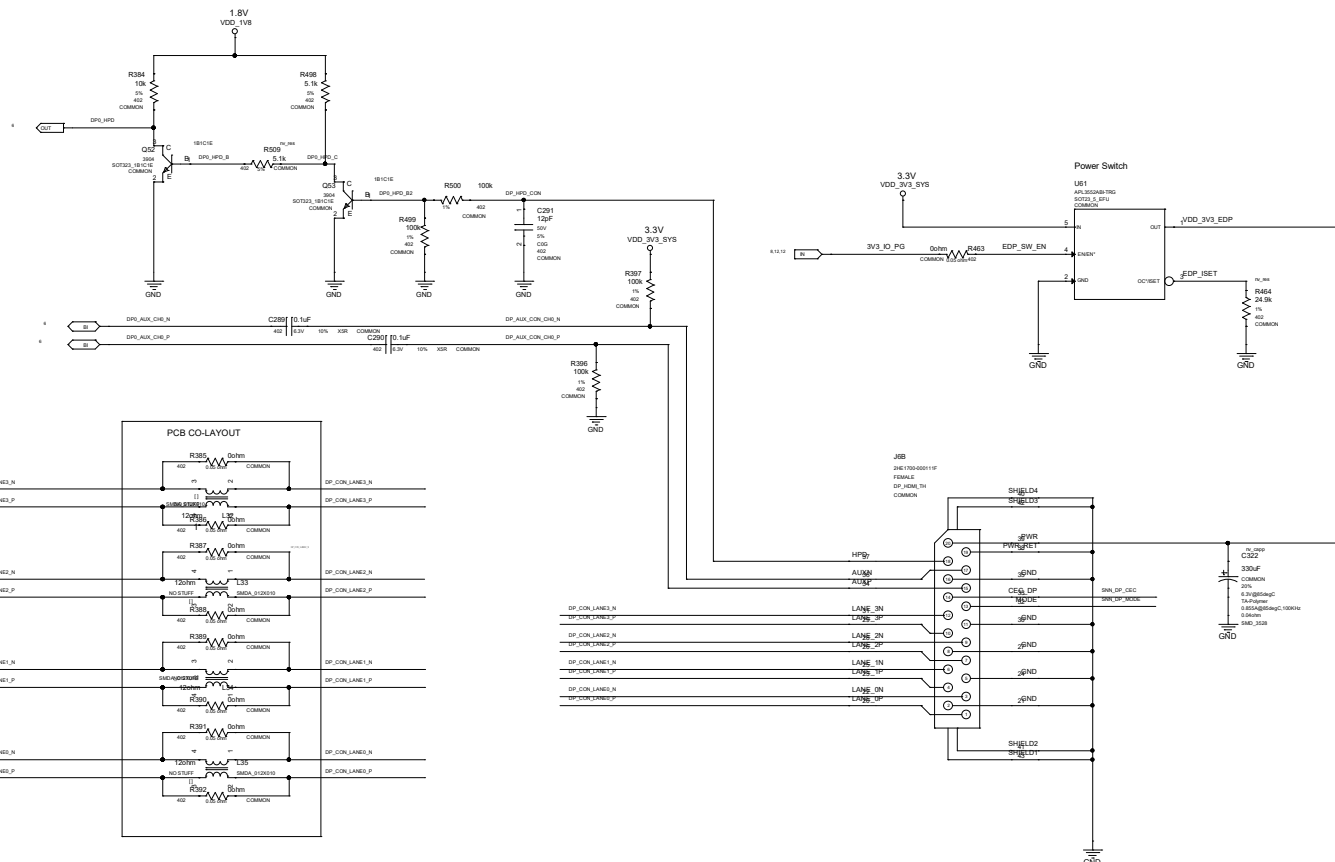


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DisplayPort Connector

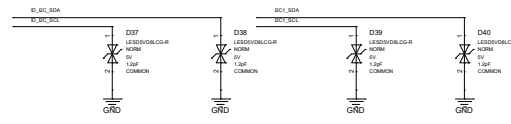
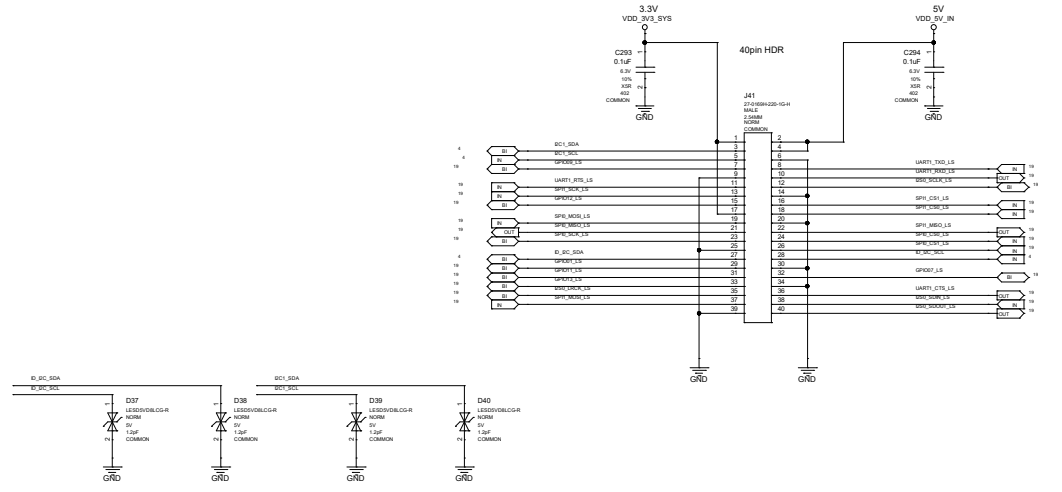
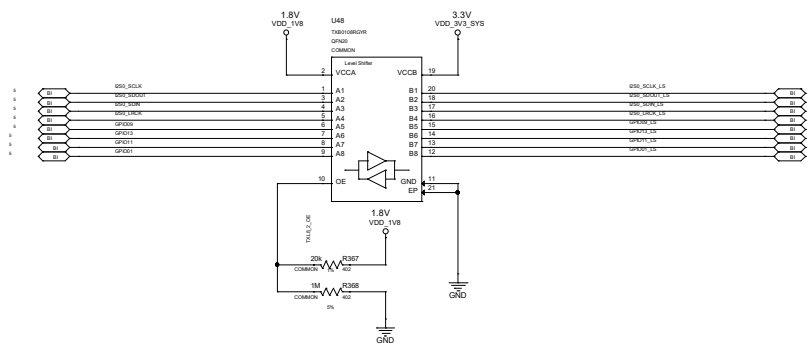
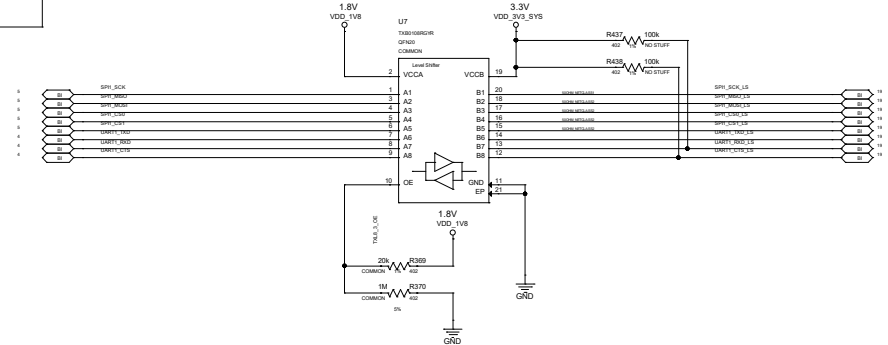
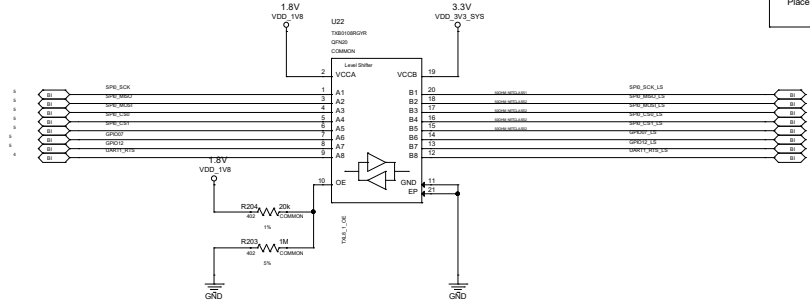
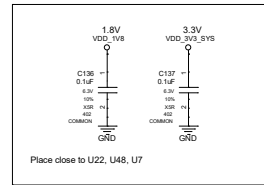


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40PIN GPIO EXPANSION HEADER & LEVEL SHIFTERS



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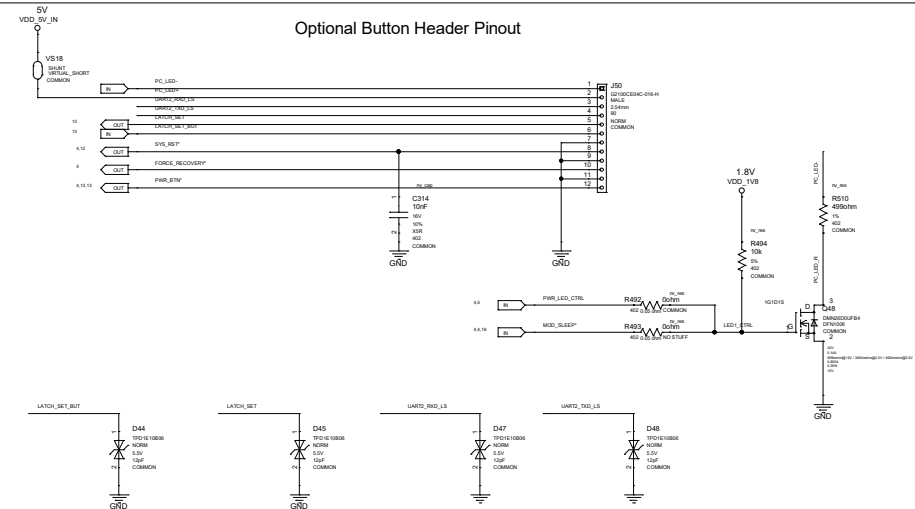
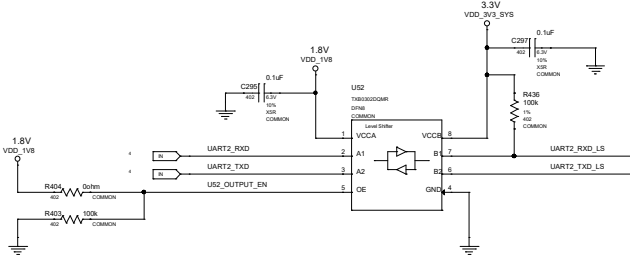
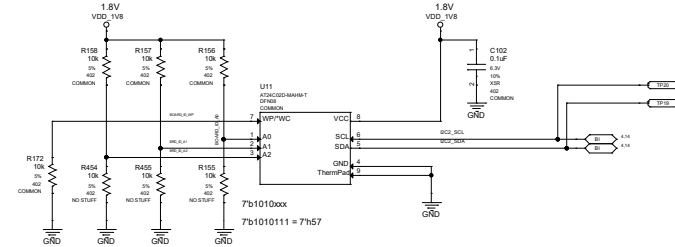
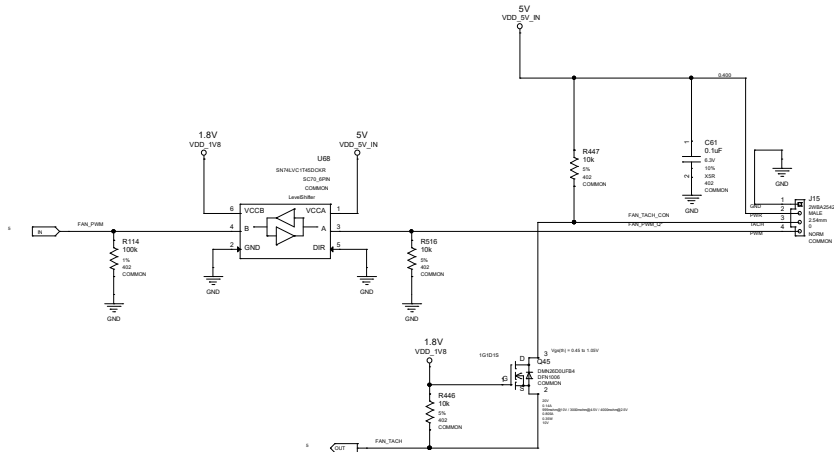
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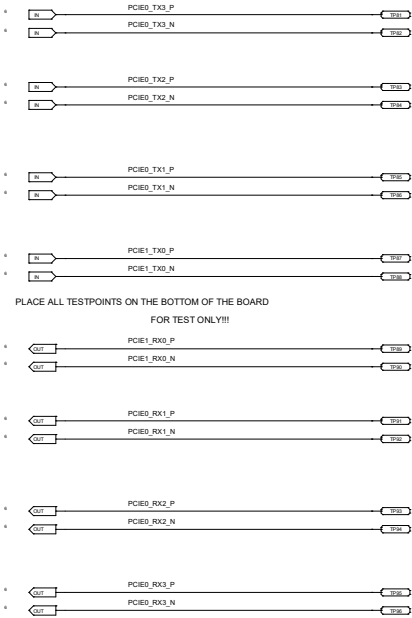
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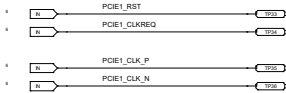
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PROVISION FOR LOOP BACK TEST OF UNUSED PCIe SIGNALS

PCIe LOOP BACK TO TEST UNUSED PCIe SIGNALS

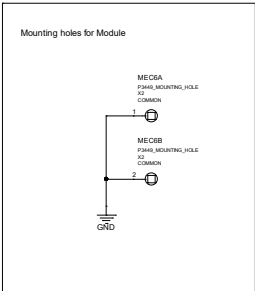


PLACE TESTPOINT ON THE BOTTOM OF THE BOARD



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Mechanical




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