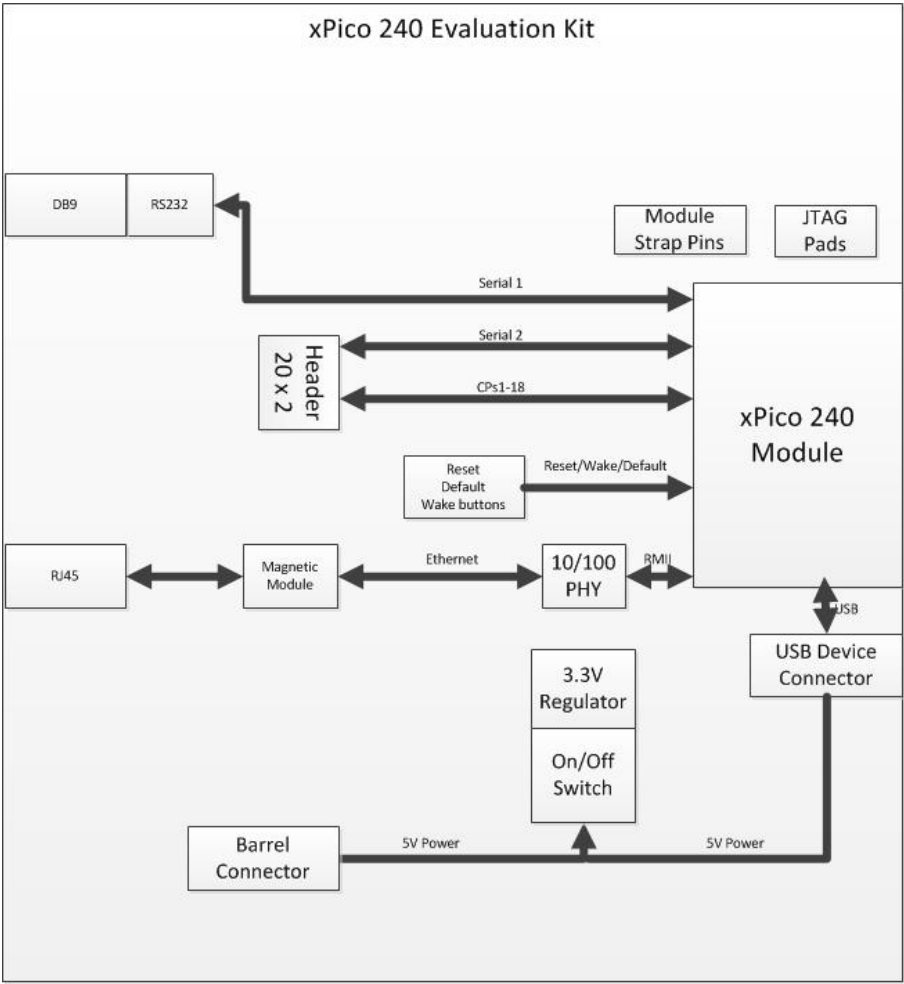
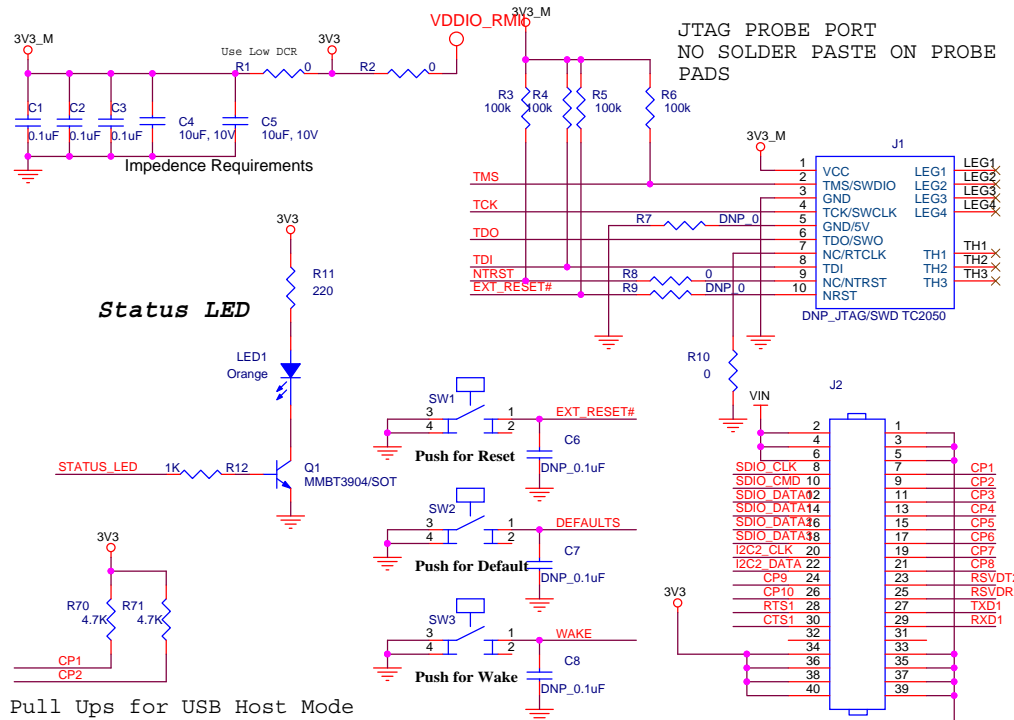
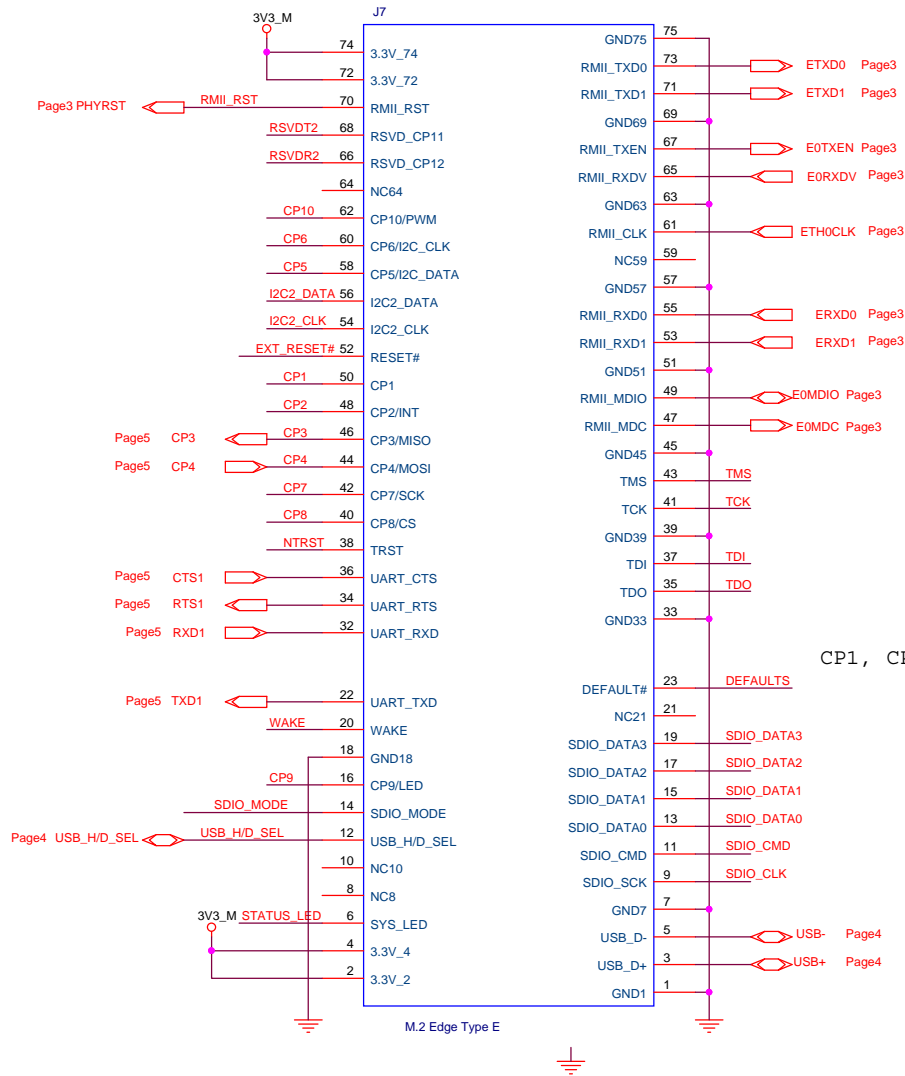


Eval Kit Block Diagram



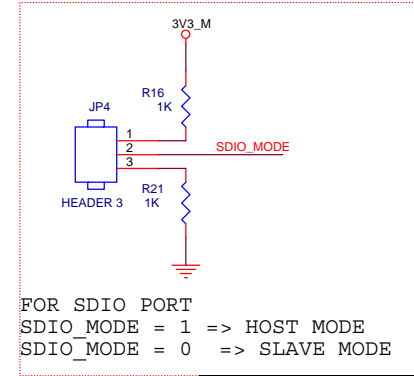
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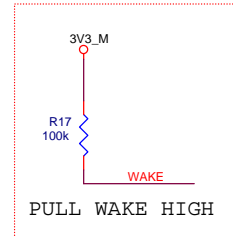


FOR_JP4_1_to_2
INSTALL

MODULE REQUIRED STRAPS- DO NOT FLOAT



FOR SDIO PORT
SDIO_MODE = 1 => HOST MODE
SDIO_MODE = 0 => SLAVE MODE



PULL WAKE HIGH

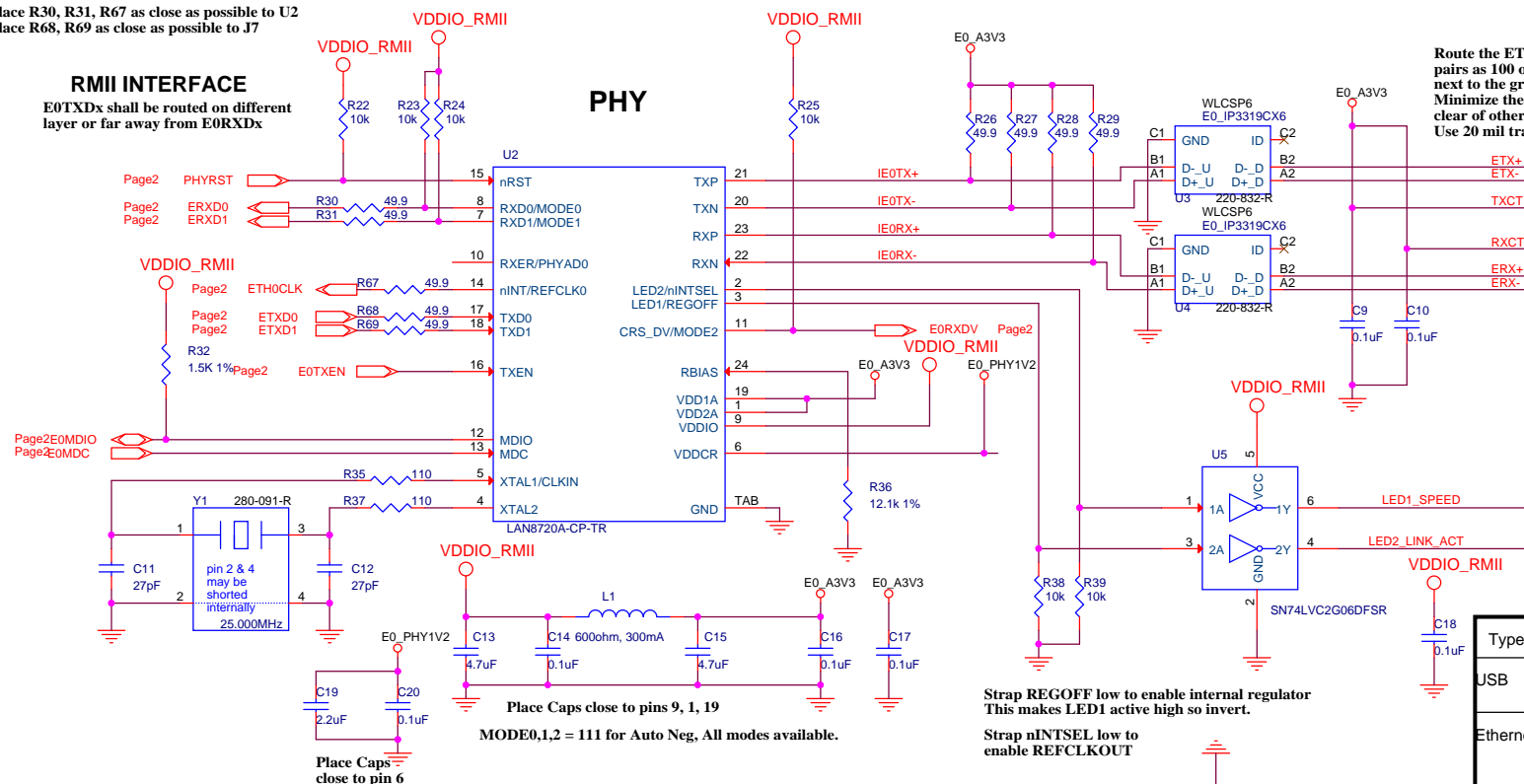
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E0TXDx shall be routed on different layer or far away from E0RXDx

PHY

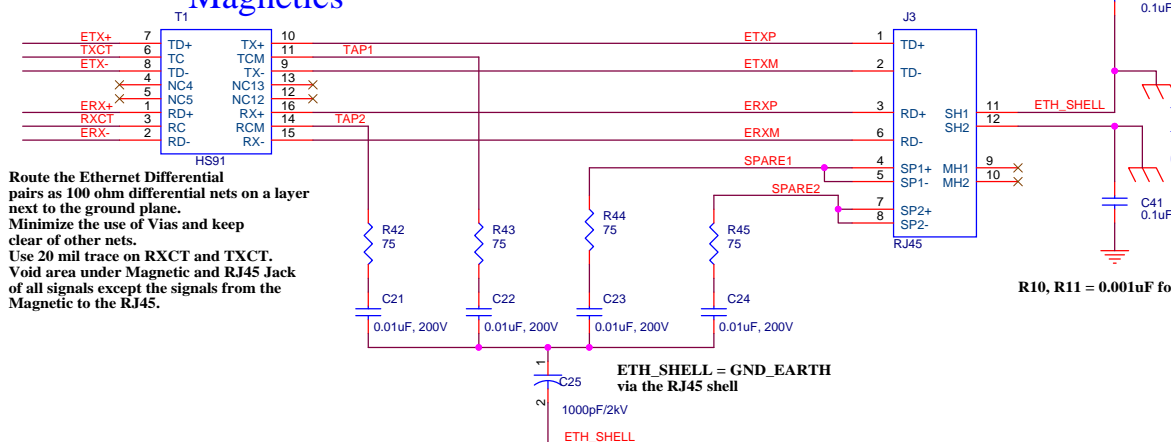
Route the ETX+/ETX- and ERX+/ERX- pairs as 100 ohm differential nets on a layer next to the ground plane. Minimize the use of Vias and keep clear of other nets. Use 20 mil trace on RXCT and TXCT.



Impedence Requirements			
Type	Signal or Diff Signal Pair	Value	Reference to
USB	USB+/USB- EXT_USB+/EXT_USB-	90 ohm Differential	Pair-differential Ground-single
Ethernet	ETX-/ETX+ ERX-/ERX+	100 ohm Differential 50 ohm Single	Pair-differential Ground-single

Network LEDs

Magnetics



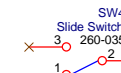
Route the Ethernet Differential pairs as 100 ohm differential nets on a layer next to the ground plane. Minimize the use of Vias and keep clear of other nets. Use 20 mil trace on RXCT and TXCT. Void area under Magnetic and RJ45 Jack of all signals except the signals from the Magnetic to the RJ45.

Ethernet Connector

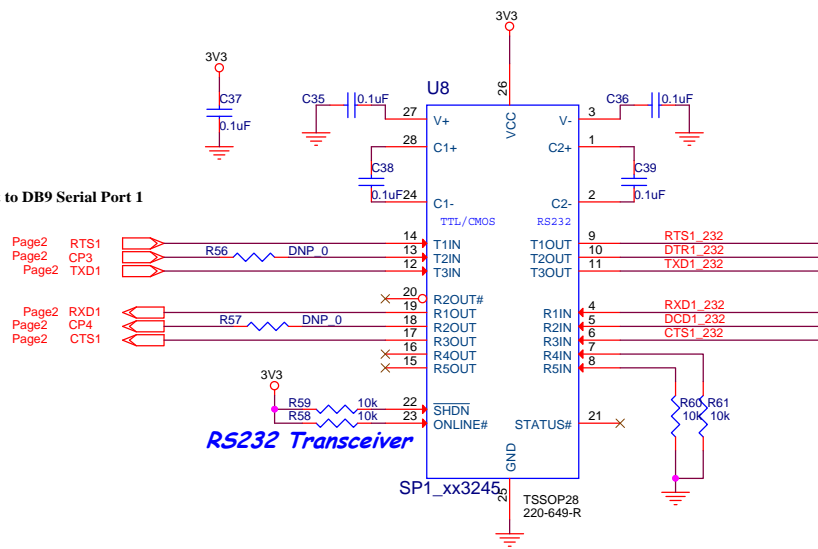
R10, R11 = 0.001uF for EMC

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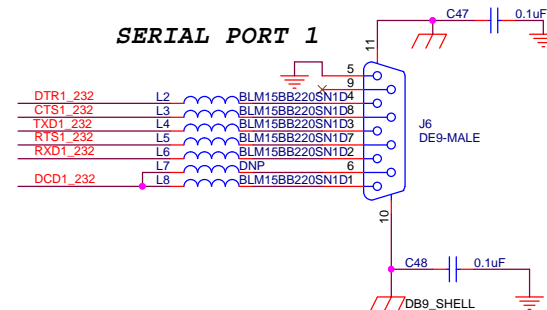
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Install Jumpers to connect to DB9 Serial Port 1



SERIAL PORT 1



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