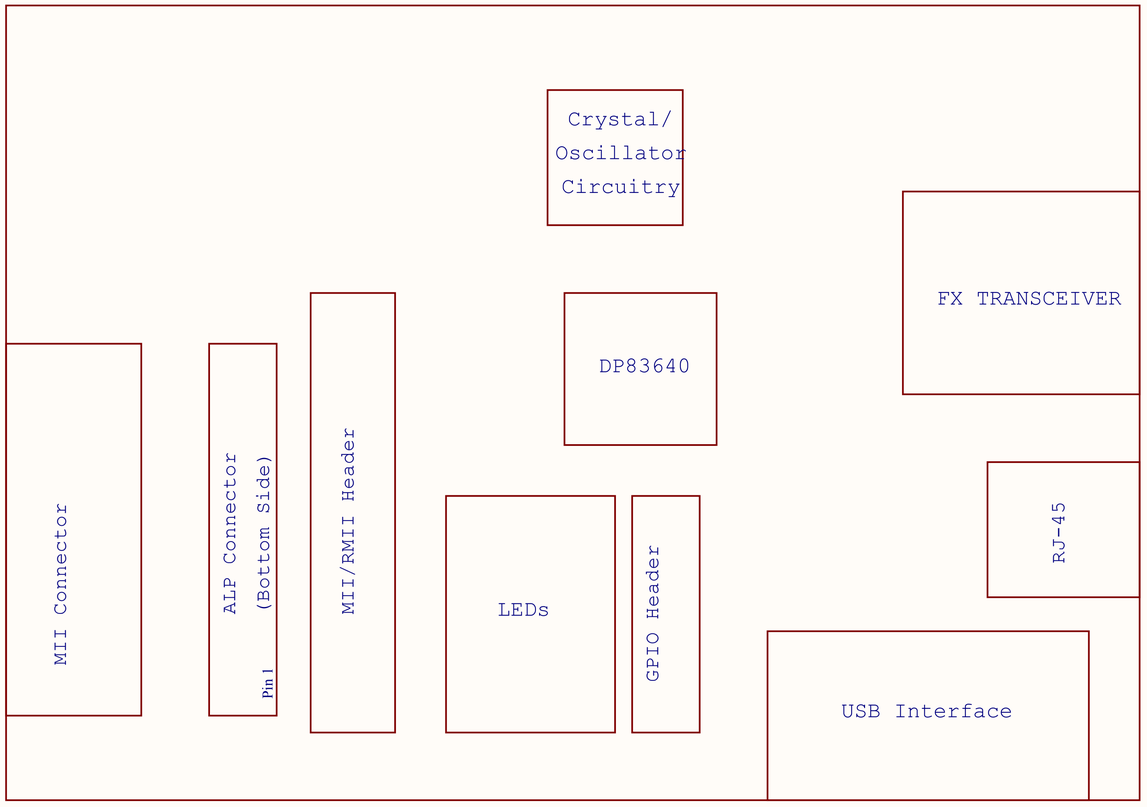

AN_EN	AN1	AN0	AUTO-NEG FORCED MODES	
0	0	0	10BASE-T	HALF-DUPLEX
0	0	1	10BASE-T	FULL-DUPLEX
0	1	0	100BASE-TX	HALF-DUPLEX
0	1	1	100BASE-TX	FULL-DUPLEX

AN_EN	AN1	AN0	AUTO-NEG ADVERTISED MODES	
1	0	0	10BASE-T	HALF/FULL-DUPLEX
1	0	1	100BASE-TX	HALF/FULL-DUPLEX
1	1	0	100BASE-TX	FULL-DUPLEX
1	1	1	10BASE-T 100BASE-TX	HALF/FULL-DUPLEX HALF/FULL-DUPLEX

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Resistors R1 and R18 should be placed to minimize the length of any stubs between U1 and header J1.

R13, R14, R163 and R164 should be placed to minimize stub lengths.

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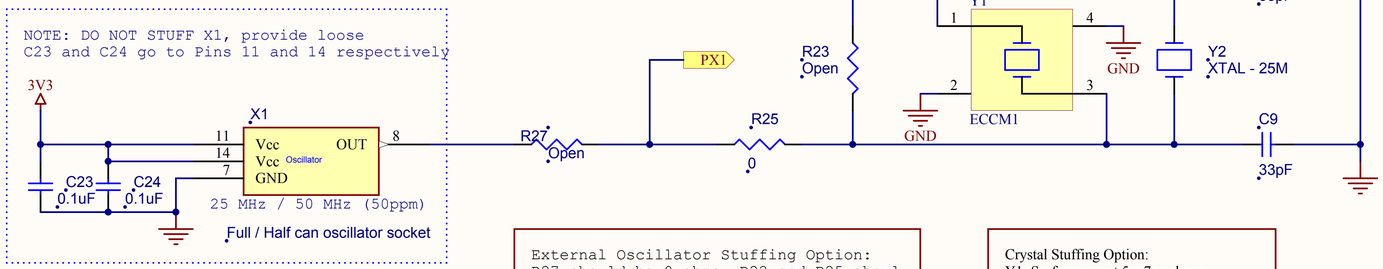
NOTE: DO NOT STUFF X1, provide loose
C23 and C24 go to Pins 11 and 14 respectively

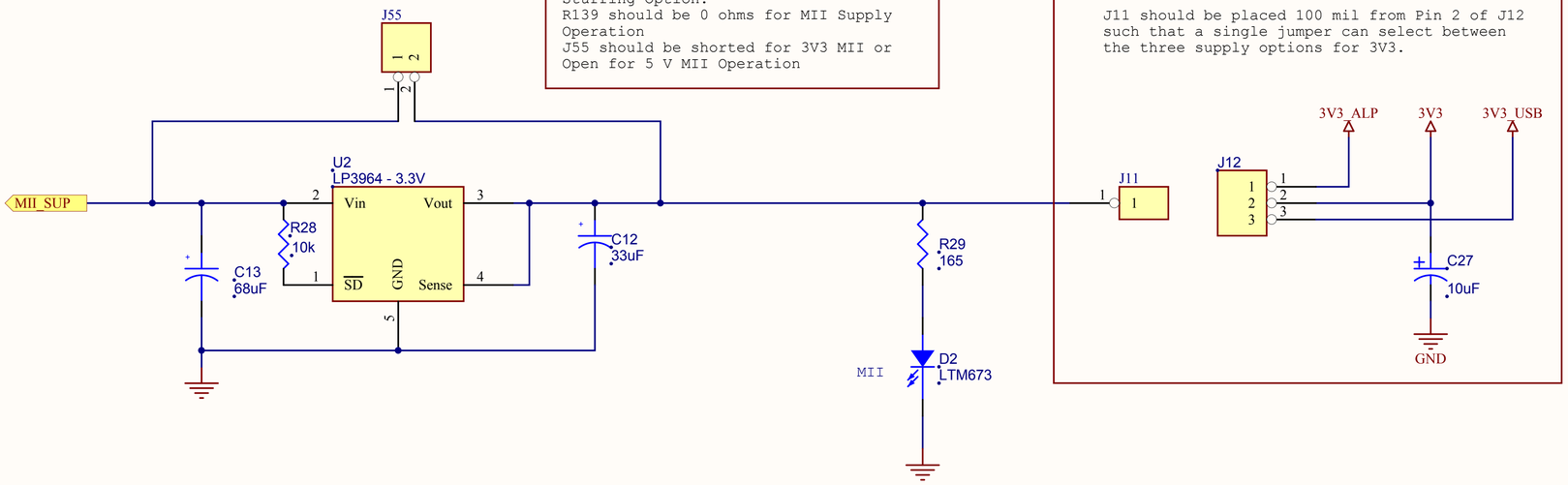


External Oscillator Stuffing Option:
R27 should be 0 ohms, R22 and R25 should be Open for external oscillator

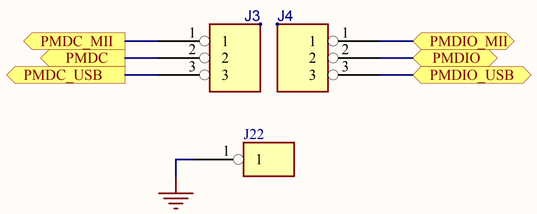
Crystal Stuffing Option:
Y1: Surface mount 5 x 7 package
Y2: Throught-hole HC49-US package

Stuffing Option:
R139 should be 0 ohms for MII Supply Operation
J55 should be shorted for 3V3 MII or Open for 5 V MII Operation

J11 should be placed 100 mil from Pin 2 of J12 such that a single jumper can select between the three supply options for 3V3.



J3 and J4 should be placed 100 mil apart. J22 should be placed 100 mil from Pin 2 of J3 such that a three wire MDIO/MDC interface can be used.



Title	DP83640 TP&FX Demo Board - Power, Clock, MDIO Page		
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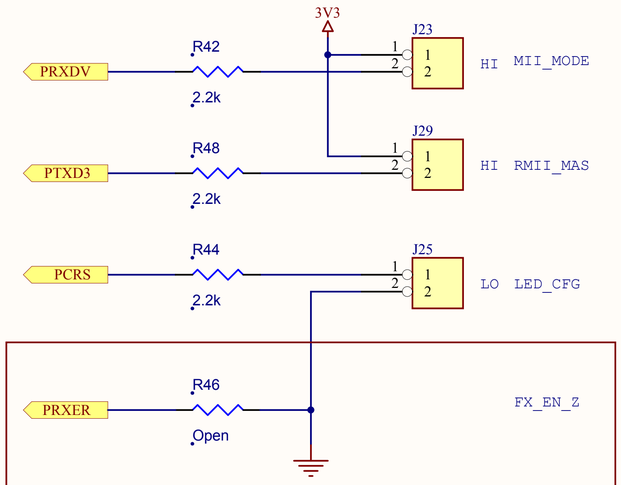

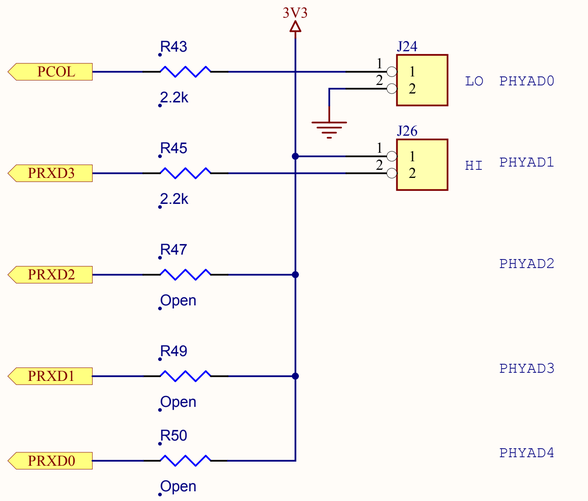

Phy Address Straps:

PHYAD1	PHYAD0	ADDRESS	
0	0	0	
0	1	1	(Default)
1	0	2	
1	1	3	

PHYAD2, PHYAD3 and PHYAD4 are internally strapped to 0.
R47, R49 and R50 can be stuffed with 2.2kohm to allow selection of Phy addresses above 3.

Title: DP83640 TP&FX Demo Board - Strap Options Page

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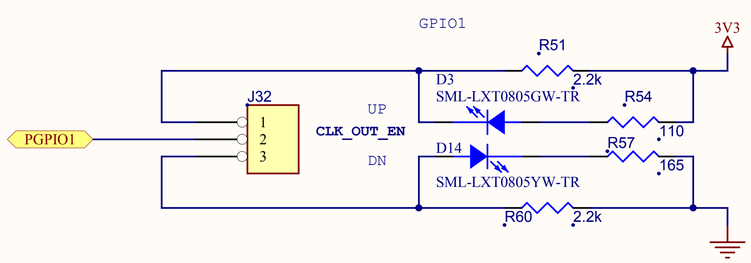

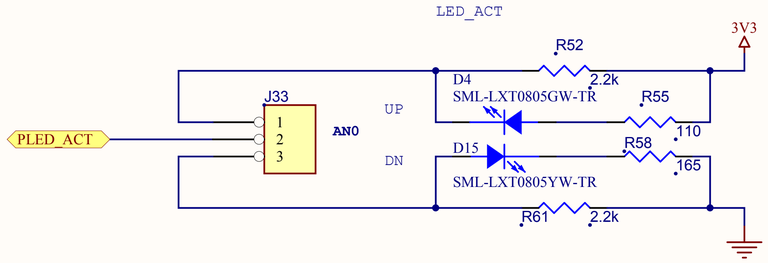

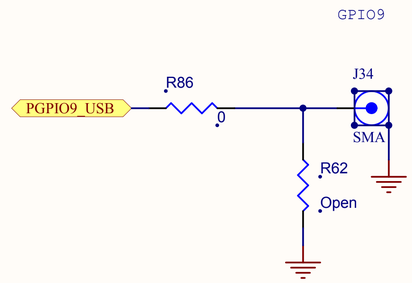

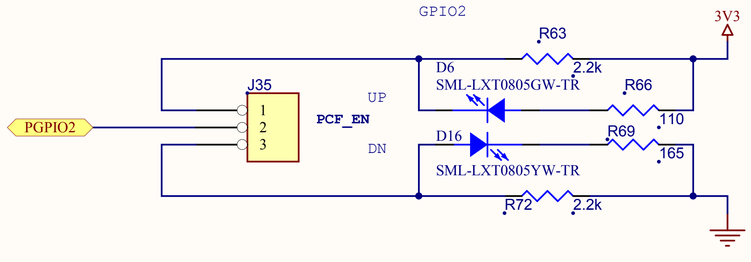

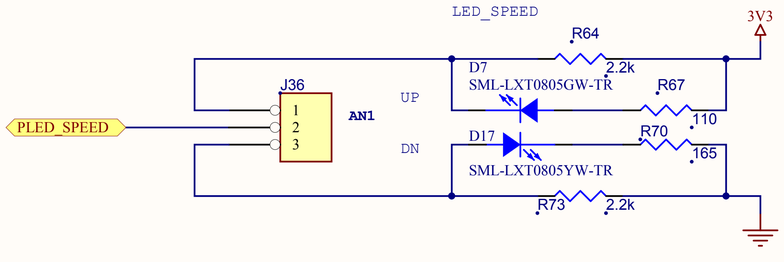

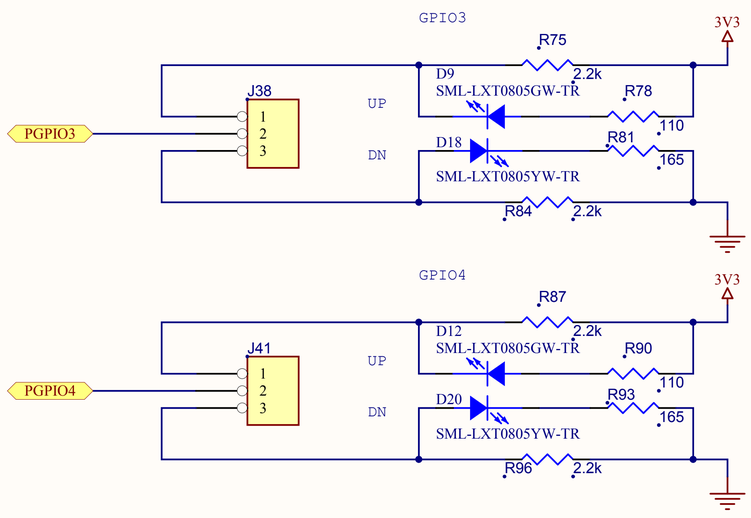

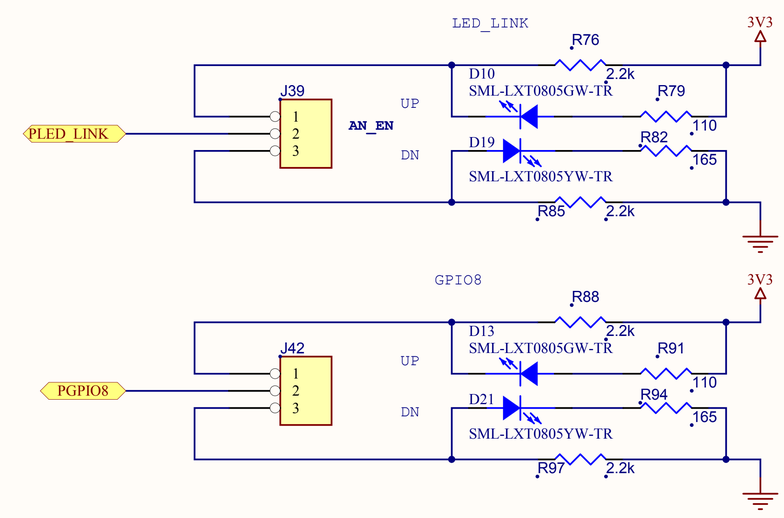

Title	DP83640 TP&FX Demo Board - GPIO Page		
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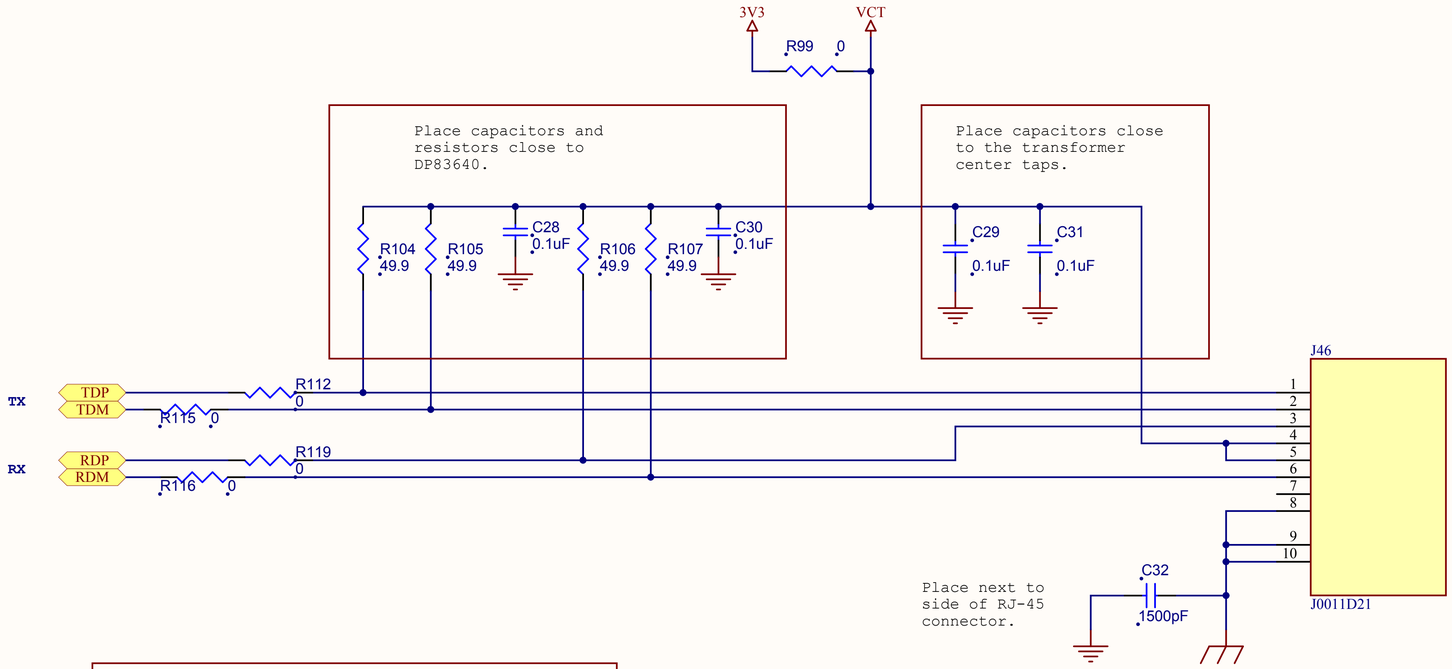
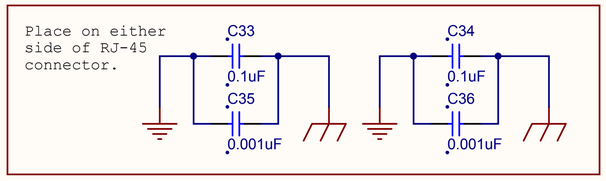


Stuffing Option For Copper Mode:
R112, R115, R116, and R119 should be 0 ohms
For Fiber Mode, they should be Open.



Title	DP83640 TP&FX Demo Board - TP Page		
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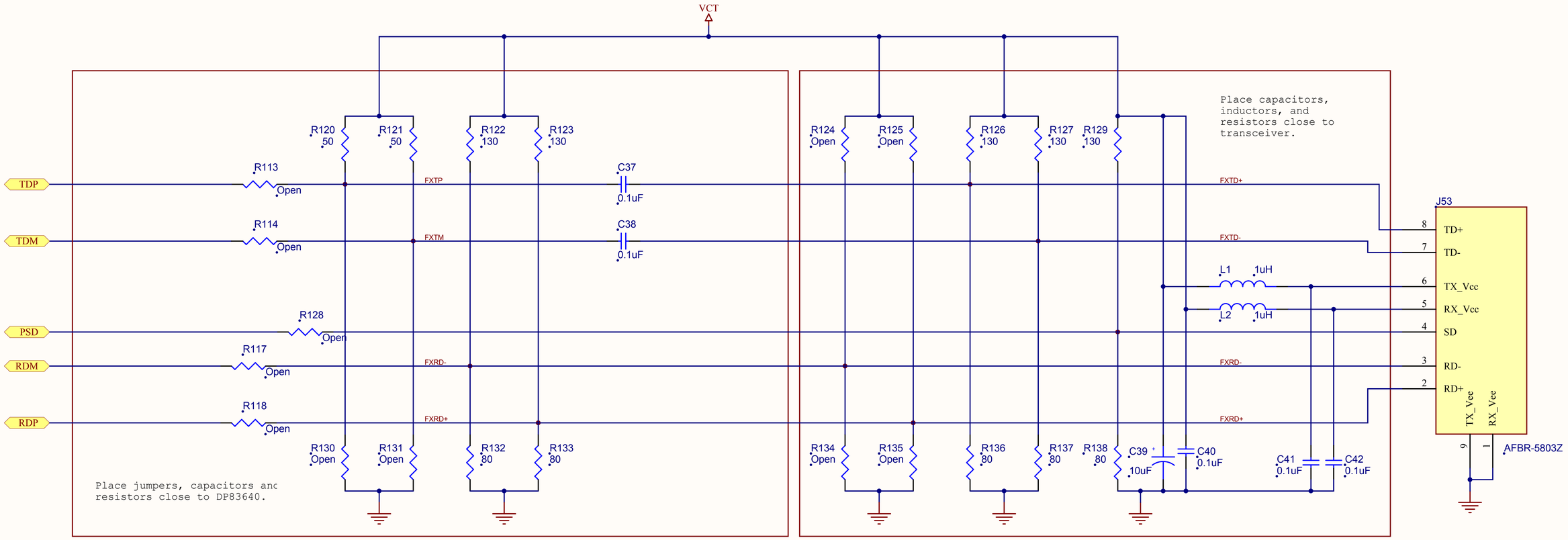

Important note:
- R112, R115, R116, R119 are to be routed on top.
- R113, R114, R117, R118 are to be routed on bottom.

Stuffing option:
For Copper Stuff: R112, R115, R116, R119
For Fiber Stuff: R113, R114, R117, R118, R128

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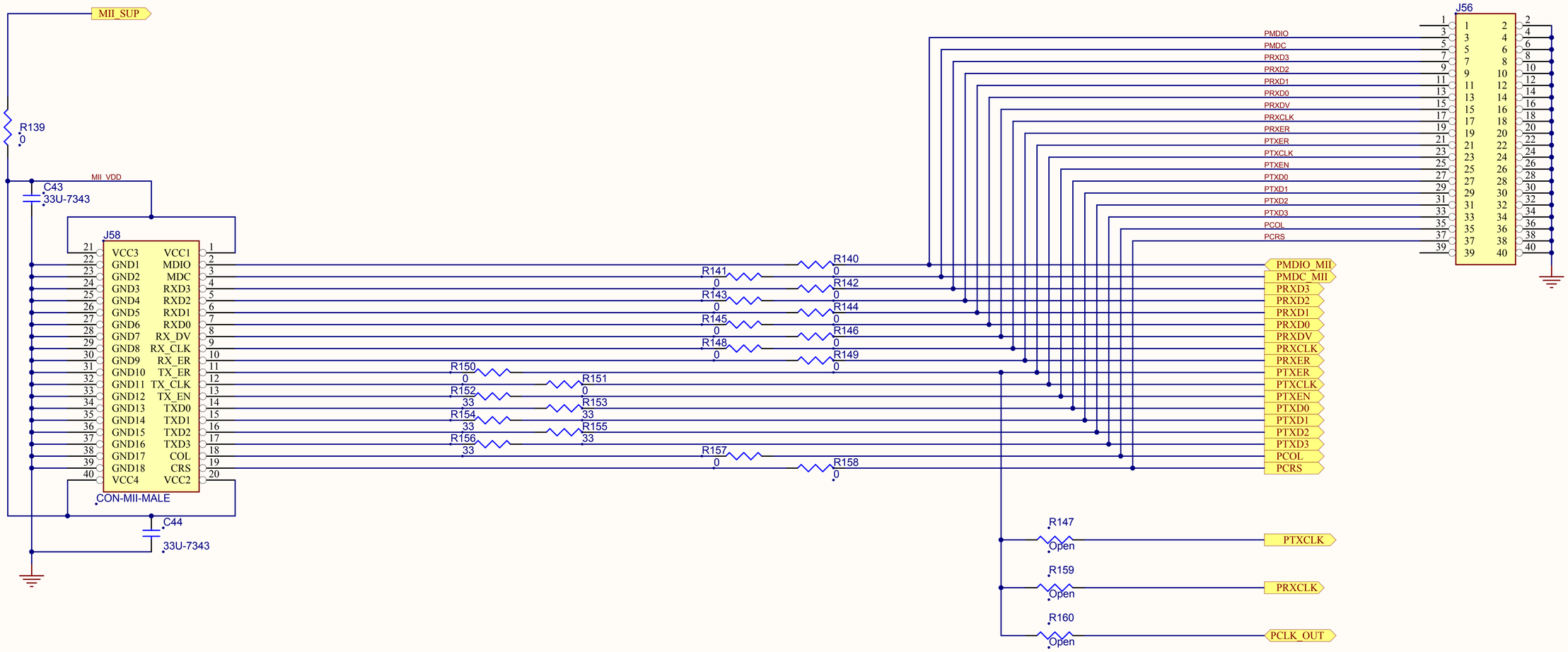

Resistor R147, R159 and R160 should be placed close to each other.

Title	DP83640 TP&FX Demo Board - MII Page	
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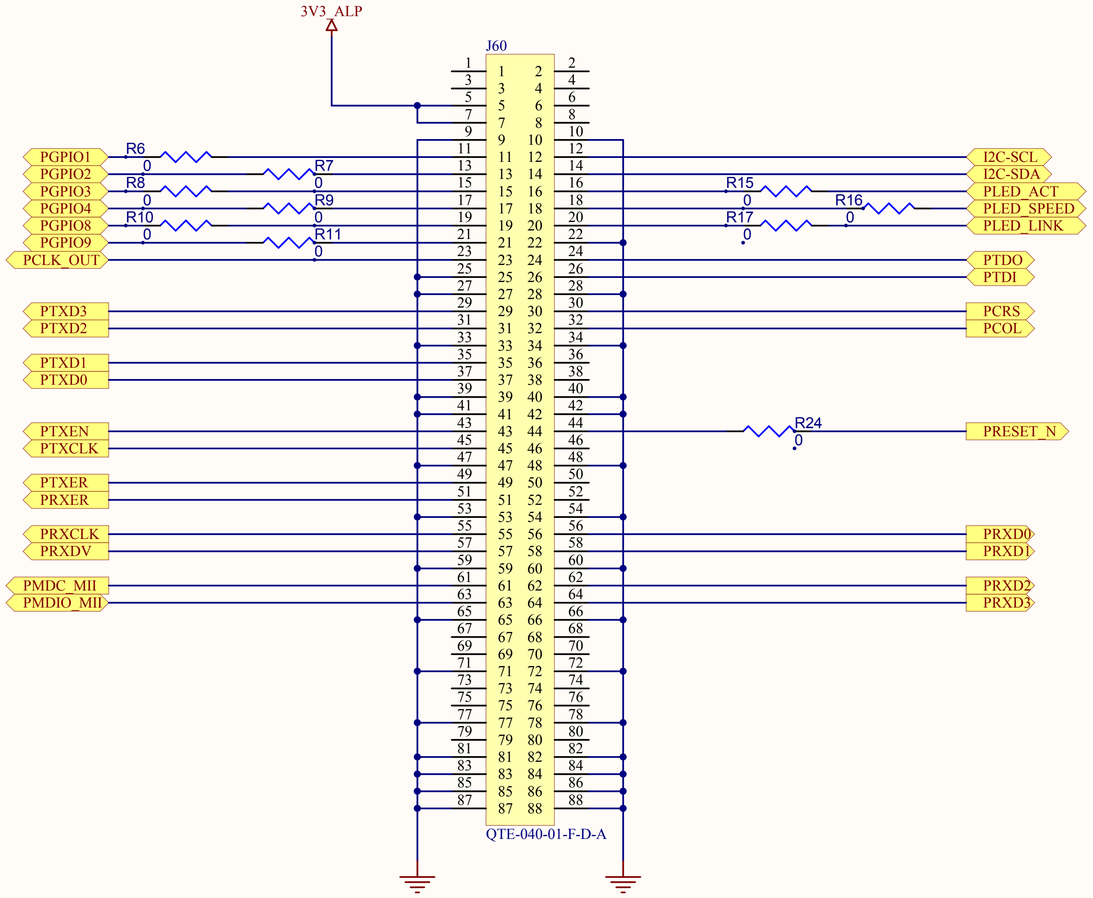

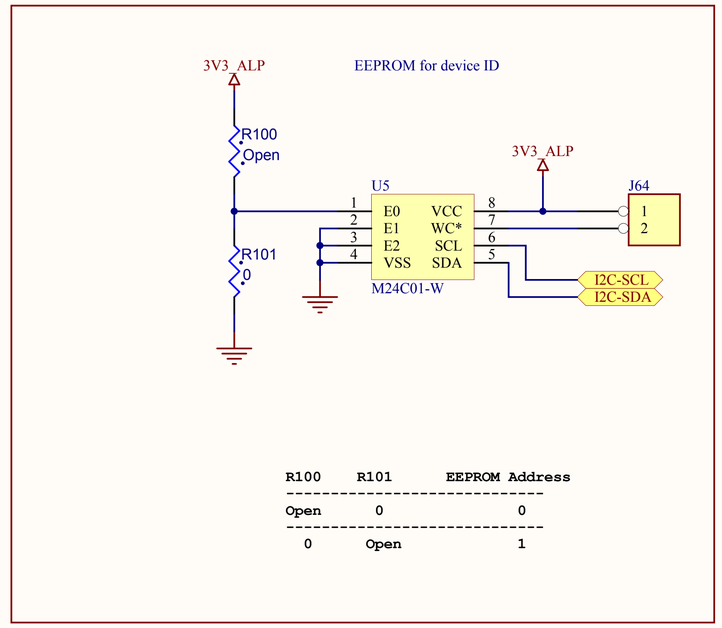

Title	DP83640 TP&FX Demo Board - ALP Interface Page		
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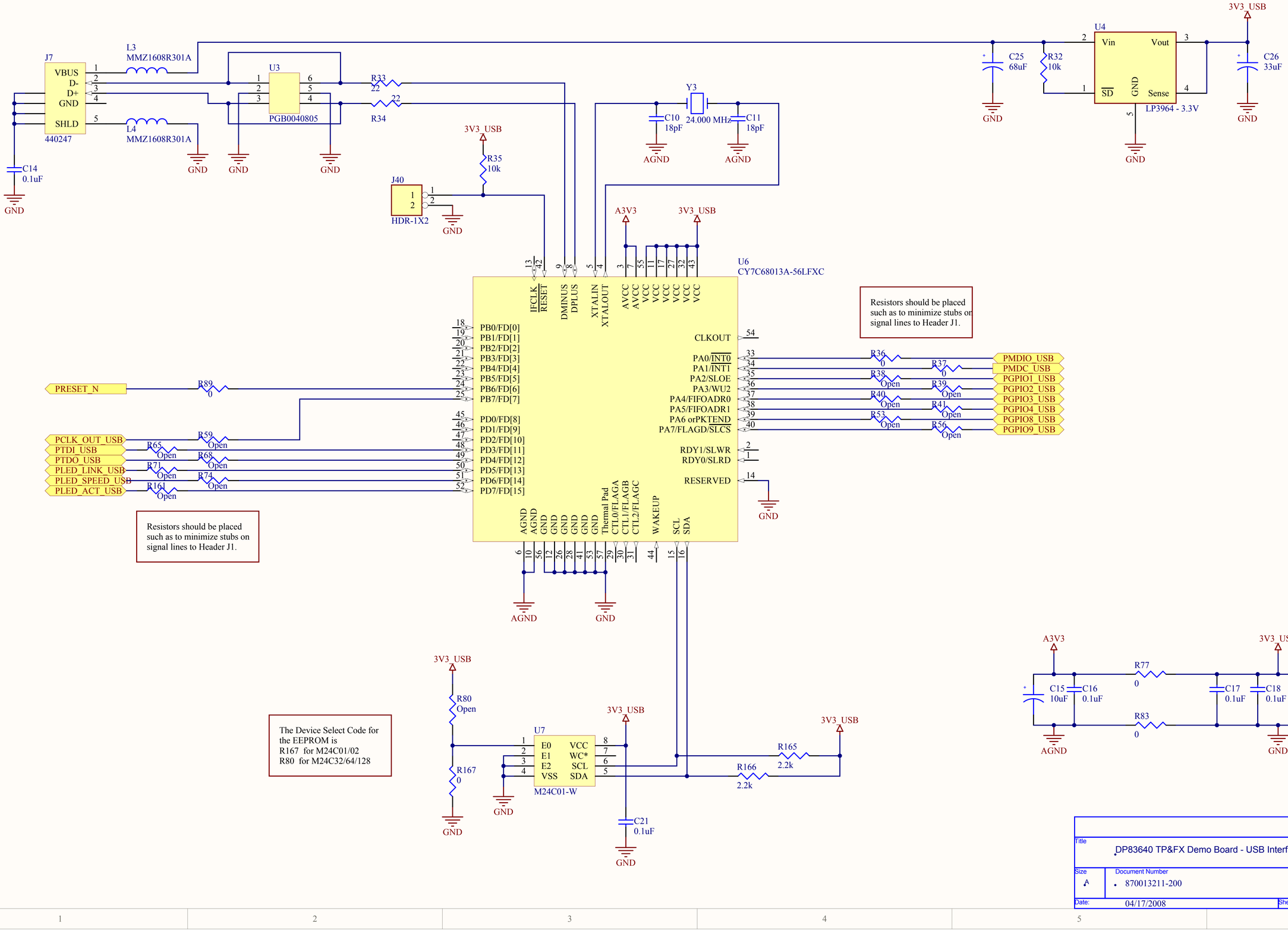

Title	DP83640 TP&FX Demo Board - USB Interface Page
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