

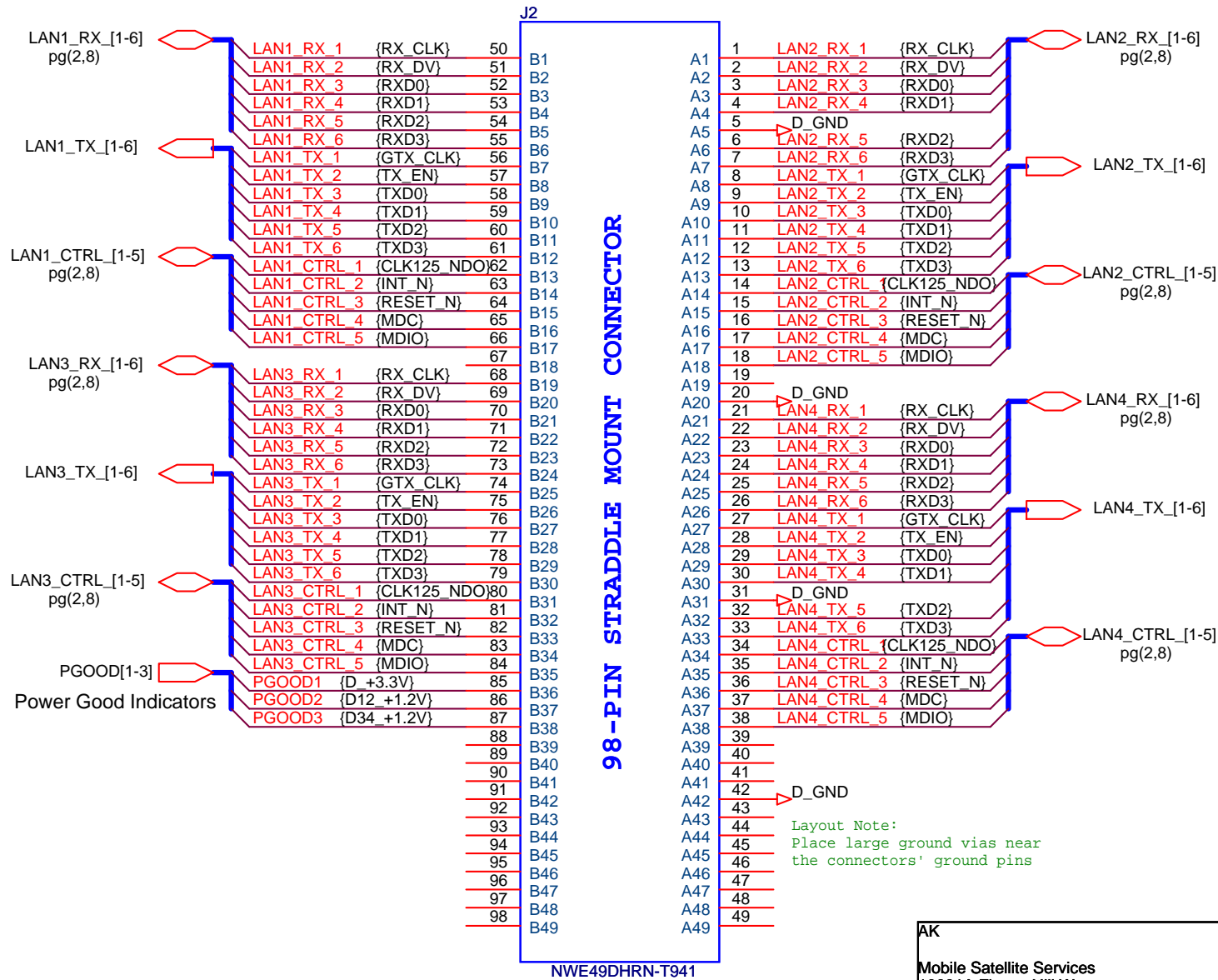
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General Layout Notes:
 - use RC0603 for all 0603
 - use RC0402 for all 0402

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Right Side Connector

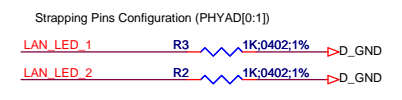
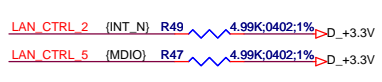
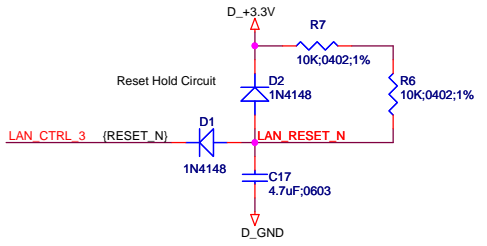
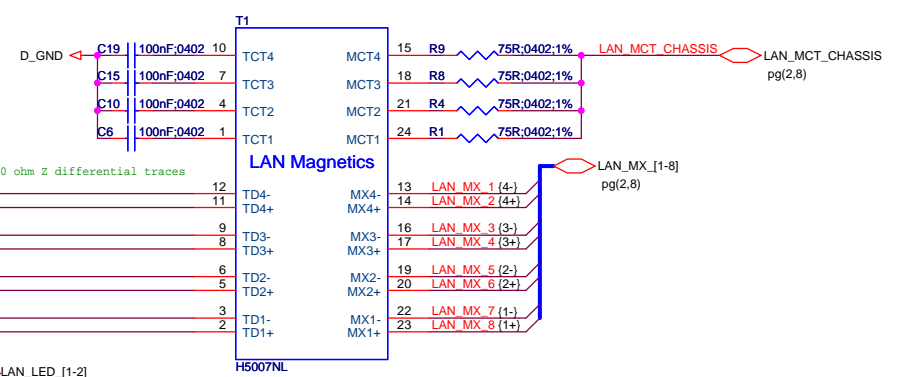
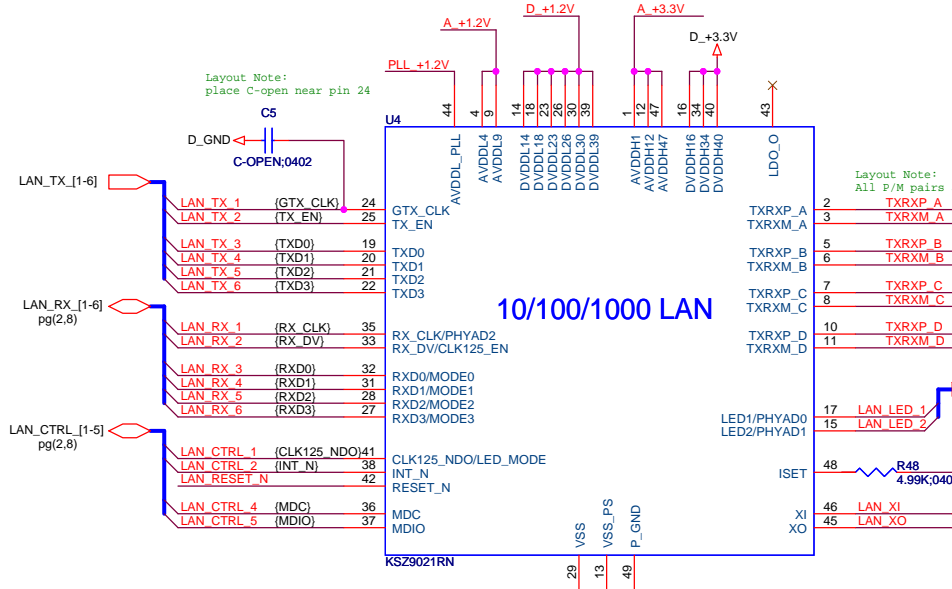
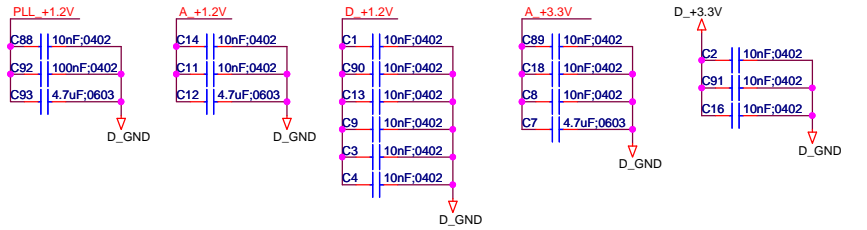
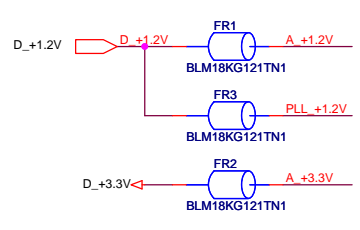


Note to User:
 'A' Nets are always on the top side physically of the PCB and 'B' on the bottom, contrary to the Right side connector's pin (not net) names.

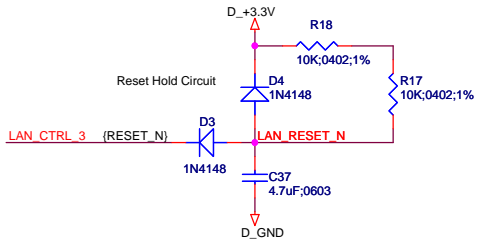
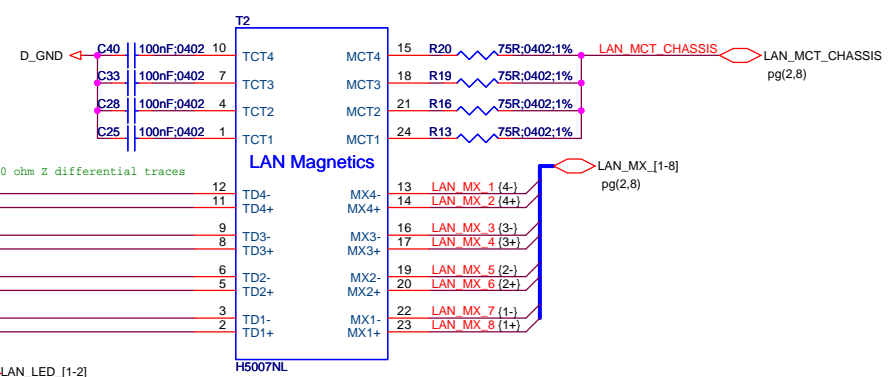
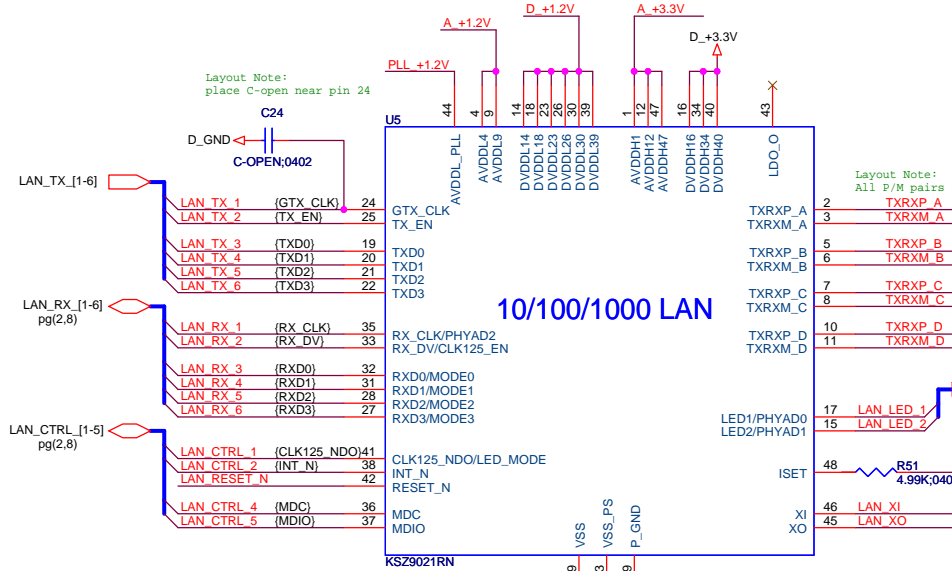
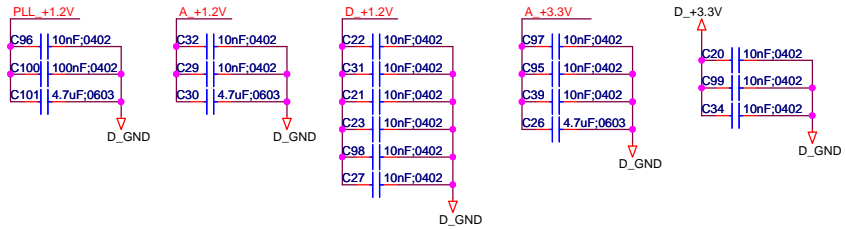
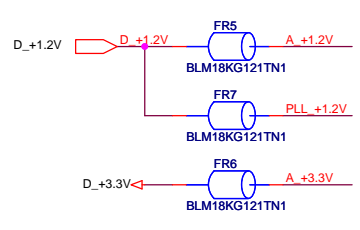
CLK125_EN pullup for LAN1 only



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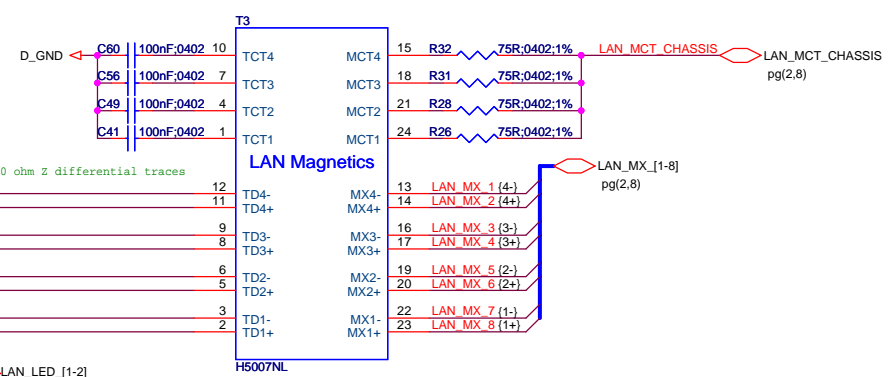
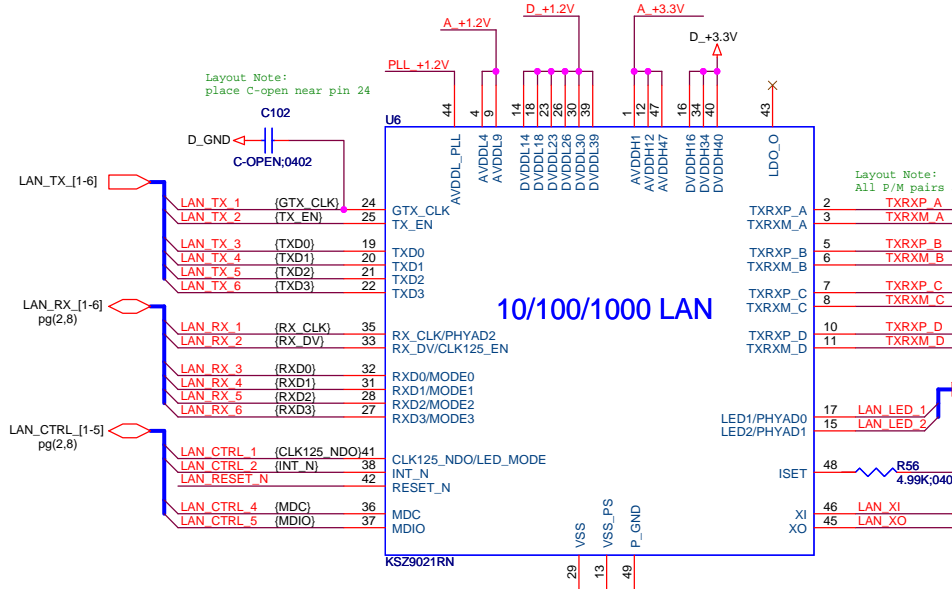
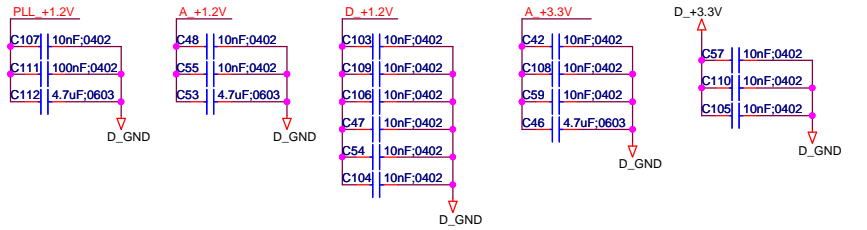
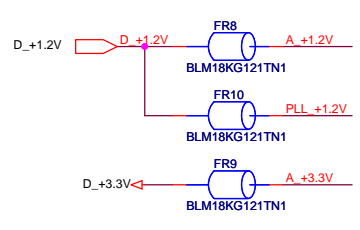
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| AK | |
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Layout Note:
All P/M pairs are 100 ohm Z differential traces

Layout Note:
place C-open near pin 24

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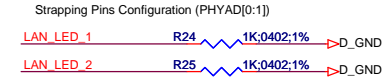
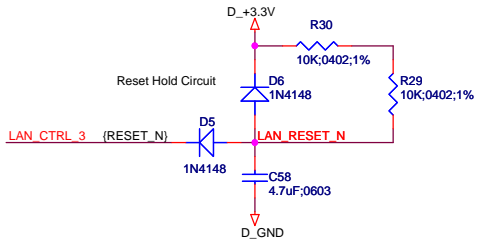


Layout Note:
place C-open near pin 24

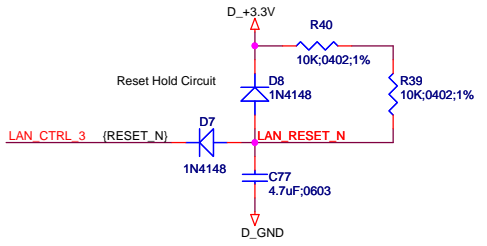
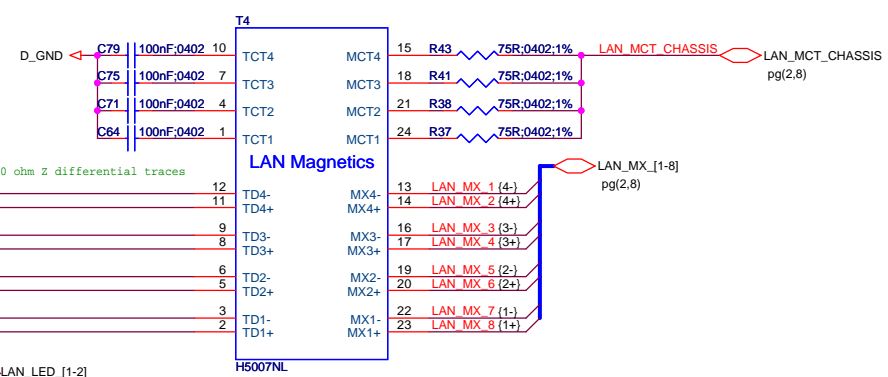
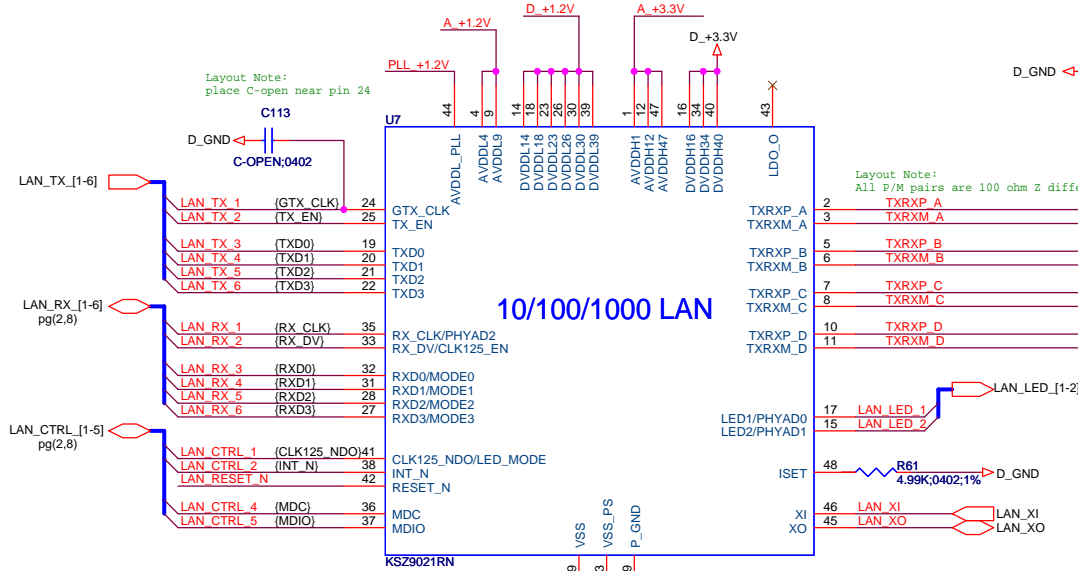
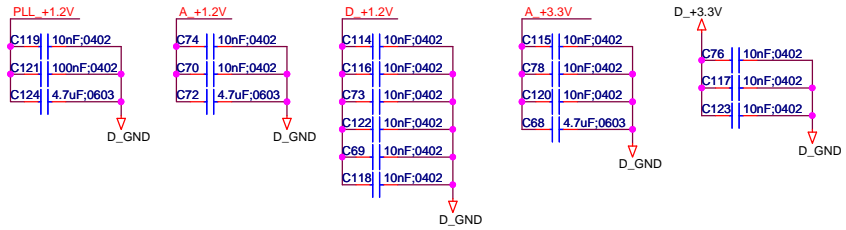
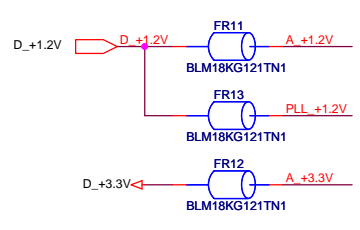
Layout Note:
All P/M pairs are 100 ohm z differential traces

10/100/1000 LAN

LAN Magnetics



| | | |
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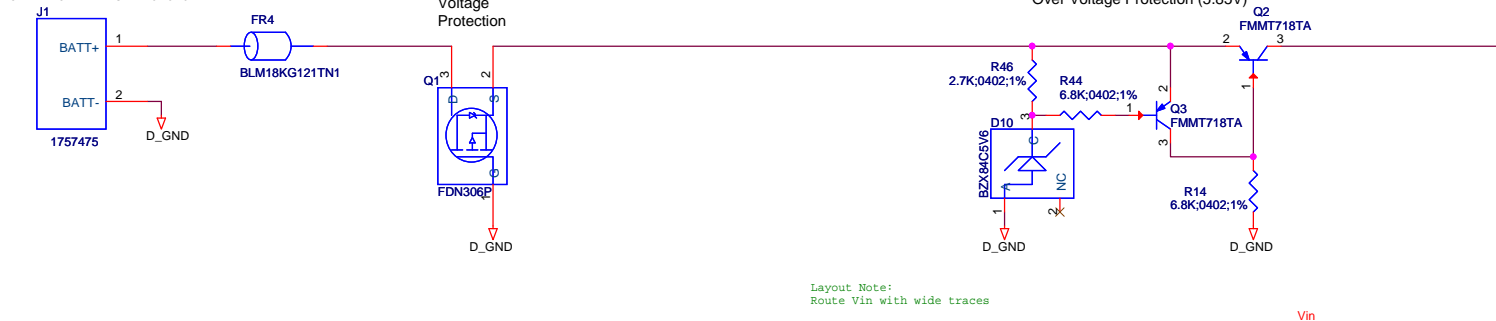
+5V Supply

Green Terminal Block
OPERATIONAL RANGE: 4.75 - 5.75V

Reverse Voltage Protection

Layout Note:
Q1 & Q2 must be placed and routed for a high current throughput.

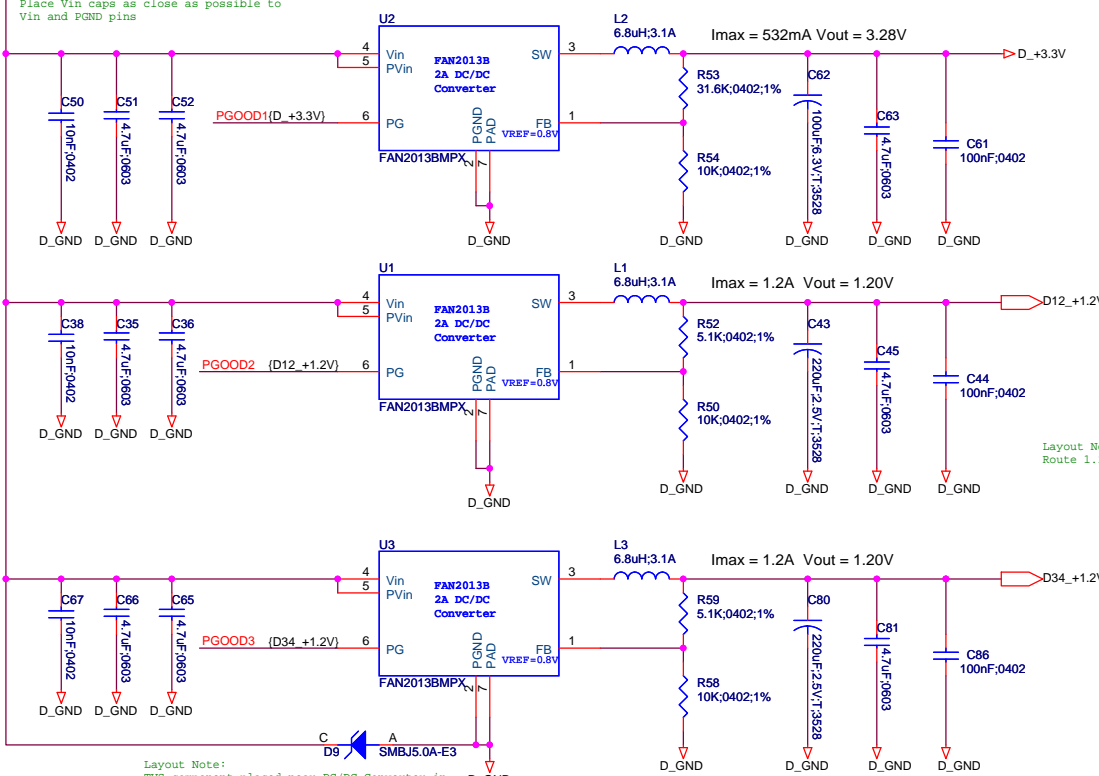
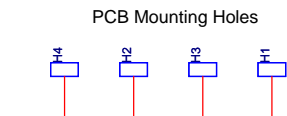
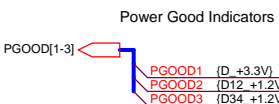
Over Voltage Protection (5.85V)



Layout Note:
Route Vin with wide traces

FAN2013B DC/DC converters:
2A max peak output current
1.2MHz switching

Layout Note: FAN2013 (x3)
Place Vin caps as close as possible to Vin and PGND pins



Layout Note:
Route 1.2V outputs with wide traces

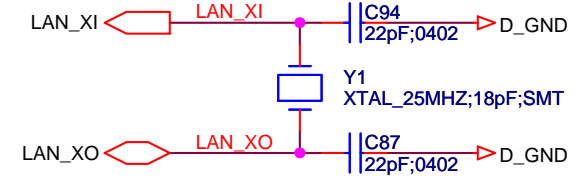
Layout Note:
TVS component placed near DC/DC Converter in ground return path to terminal block

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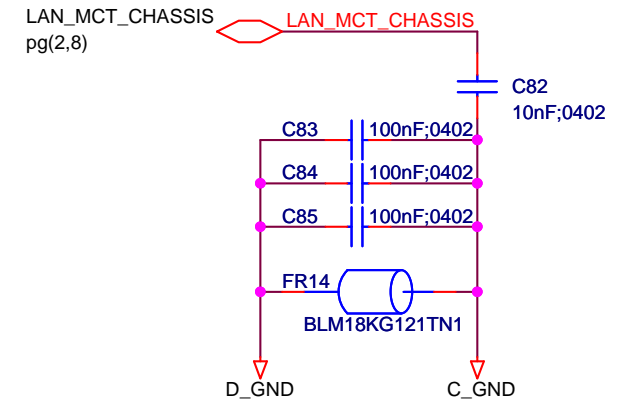
Layout Note:
All +/- pairs are 100 ohm Z differential traces

Layout Note:
Place RJ1 with 100 mil overhang beyond left board outline

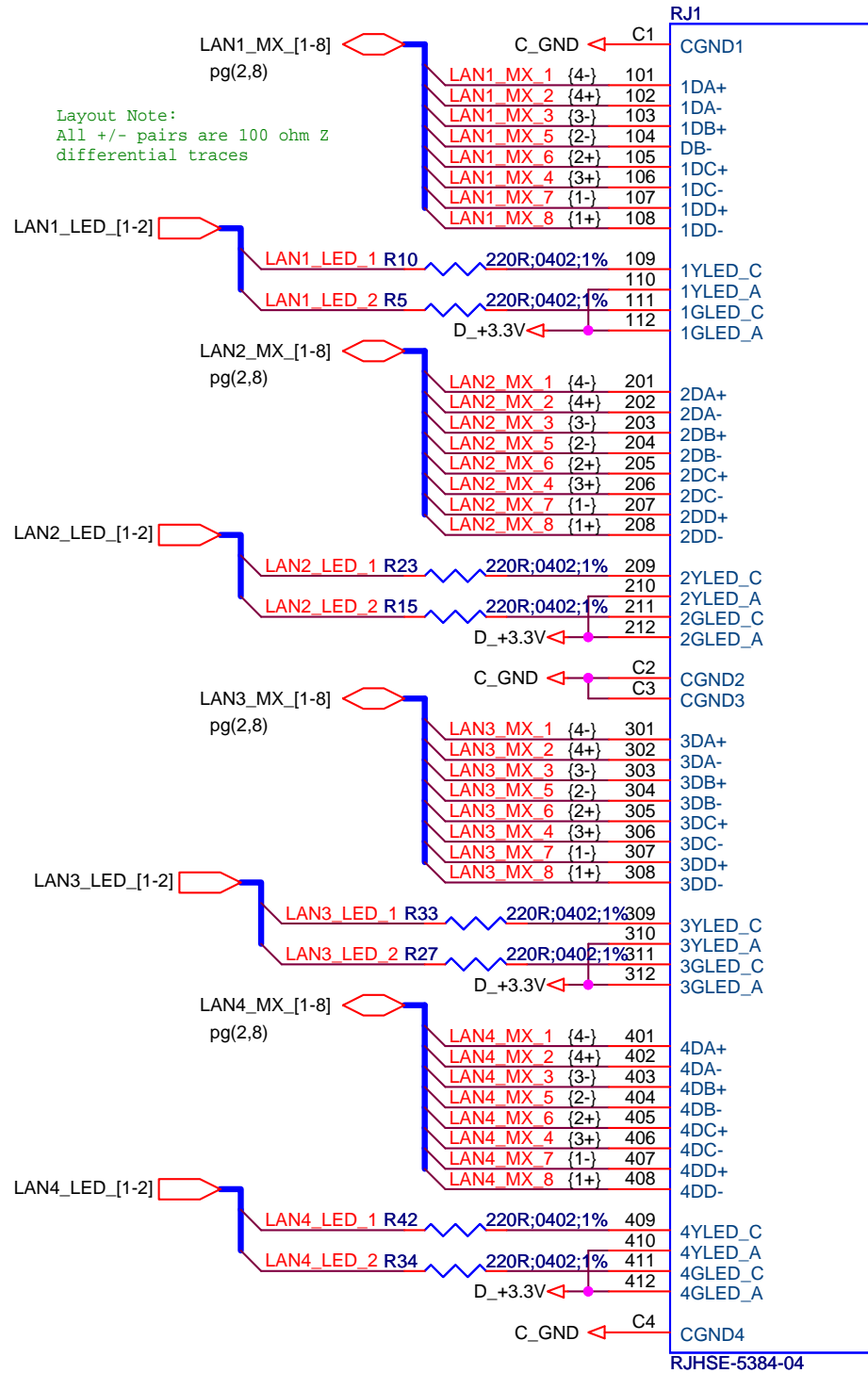
Crystal Reference



Chassis Grounding



Layout Note:
Place ferrite bead close to RJ1



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