


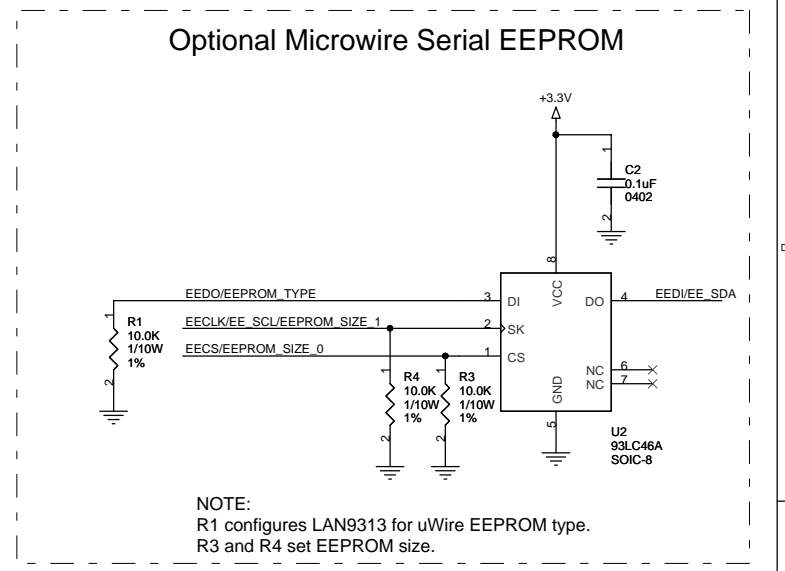
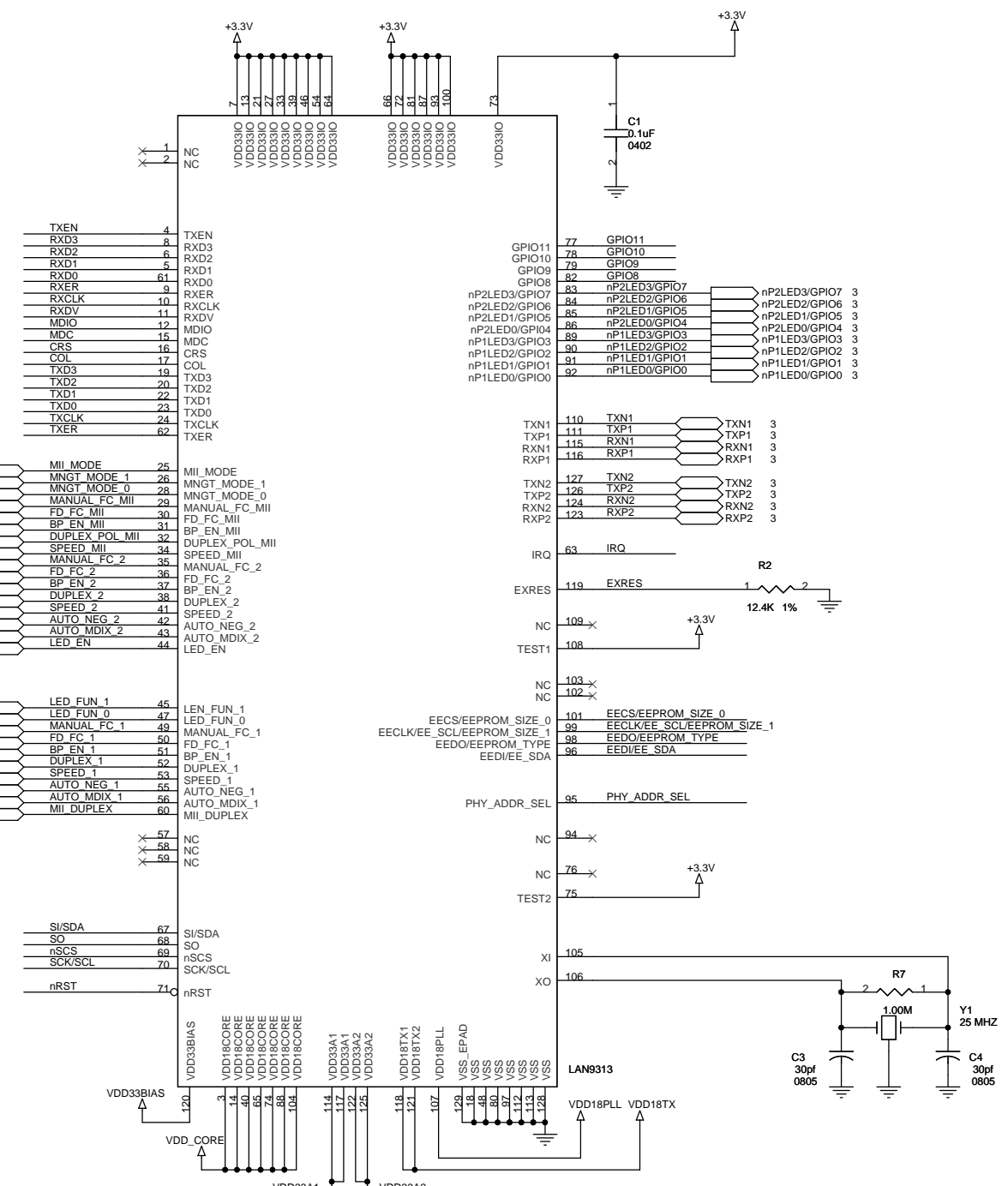
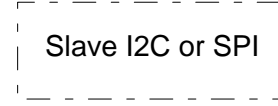
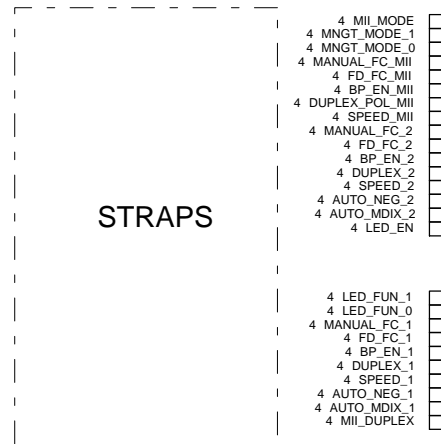
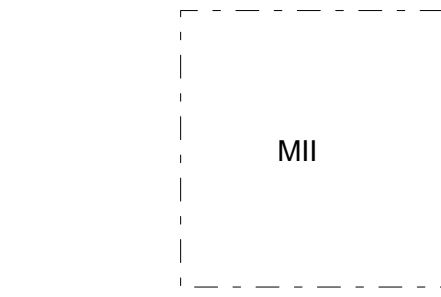
# LAN9313 Reference Design

Schematic Revision 0.3

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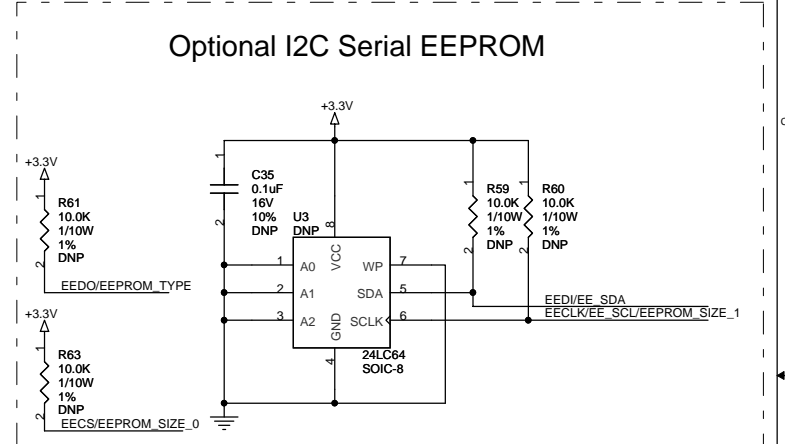
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Title Title Page			
Size C	Engineer R. Walsh	Assembly No. N/A	Rev 0.3
Date: Thursday, January 03, 2008		Sheet 1 of 4	



NOTE:  
R1 configures LAN9313 for uWire EEPROM type.  
R3 and R4 set EEPROM size.

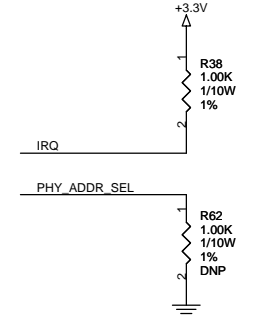
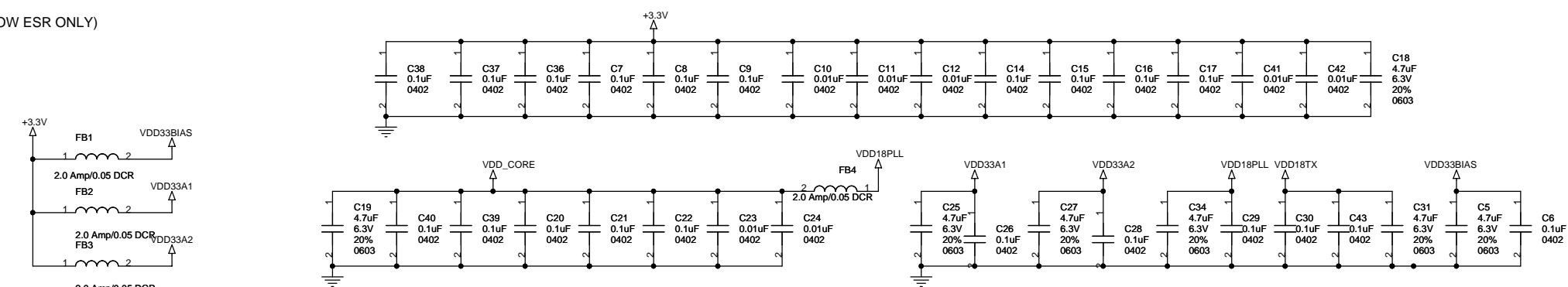
NOTE:  
Use of external EEPROM's is optional. Populate one or the other, but not both.



NOTE:  
R61 configures LAN9313 for I2C EEPROM type.  
R63 sets I2C EEPROM SIZE.

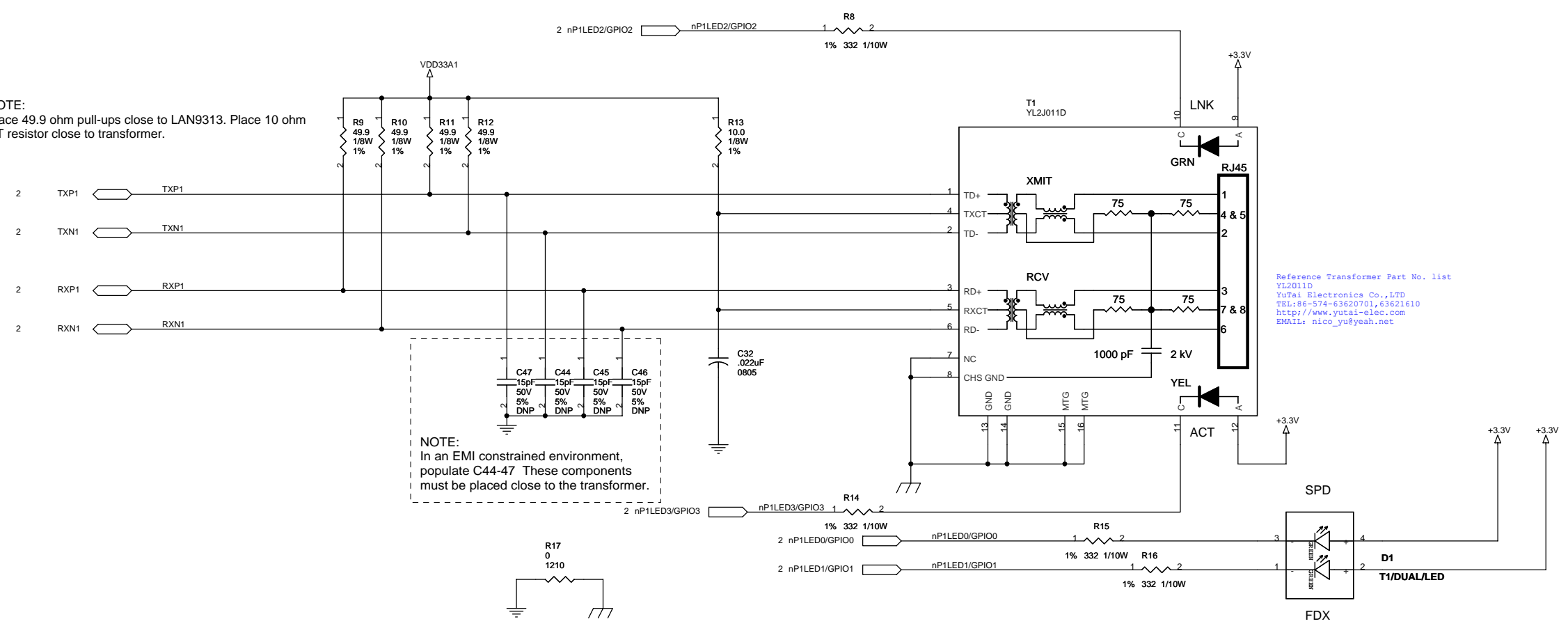
NOTE:  
Place these bulk capacitors as close as possible to pins of LAN9313 as follows:  
C5 U1-120  
C18 U1-93  
C19 U1-74 (LOW ESR ONLY)  
C25 U1-117  
C27 U1-125  
C31 U1-121 (LOW ESR ONLY)  
C34 U1-107

LAN9313 Filtering and Decoupling Capacitors



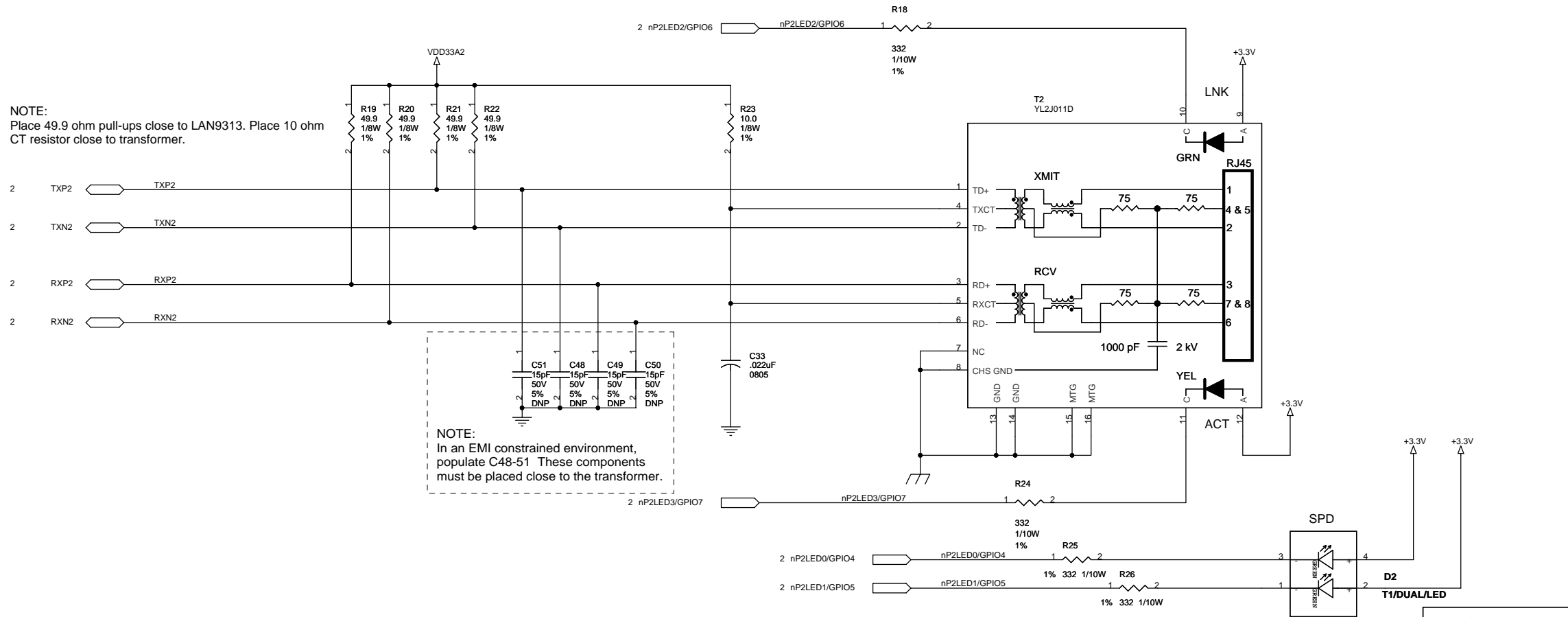
NOTE:  
The PHY\_ADDR\_SEL configuration strap is pulled up internally.

NOTE:  
Place 49.9 ohm pull-ups close to LAN9313. Place 10 ohm CT resistor close to transformer.



Reference Transformer Part No. list  
YL2J011D  
Yutai Electronics Co.,LTD  
TEL:86-574-63620701,63621610  
http://www.yutai-elec.com  
EMAIL: nico\_yu@yeah.net

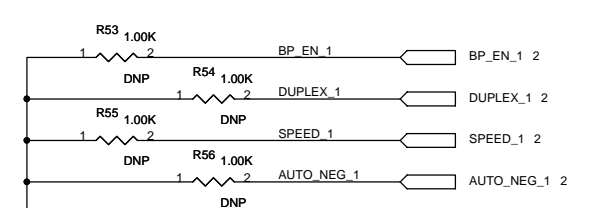
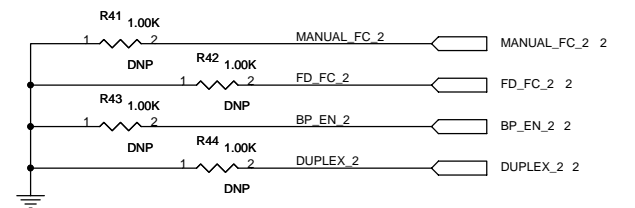
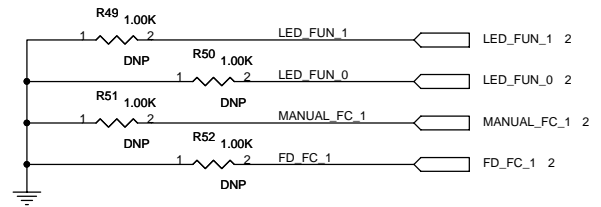
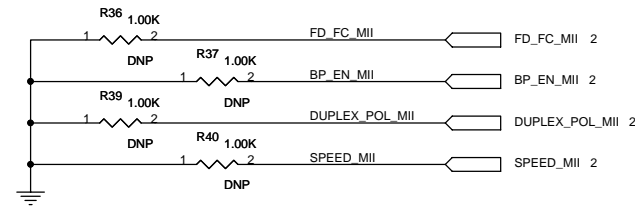
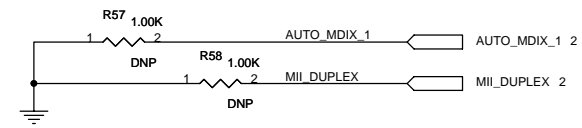
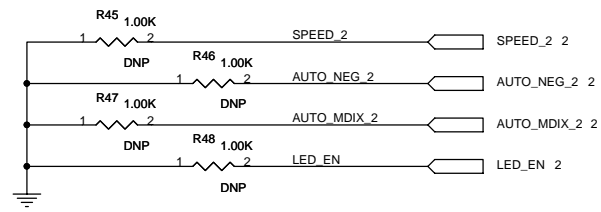
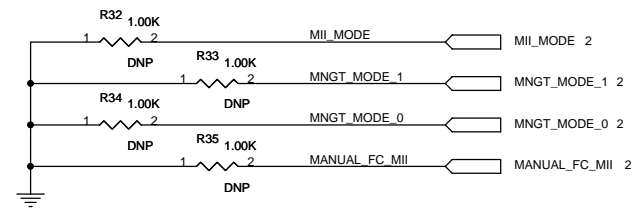
NOTE:  
Place 49.9 ohm pull-ups close to LAN9313. Place 10 ohm CT resistor close to transformer.




Title <b>Ethernet Ports</b>			
Size <b>C</b>	Engineer <b>R. Walsh</b>	Assembly No. <b>N/A</b>	Rev <b>0.3</b>
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## Configuration Straps

NOTE:  
These LAN9313 configuration straps are pulled up internally.



 <b>SMSC</b> SUCCESS BY DESIGN			
Title <b>Configuration Straps</b>			
Size <b>C</b>	Engineer <b>R. Walsh</b>	Assembly No. <b>N/A</b>	Rev <b>0.3</b>
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