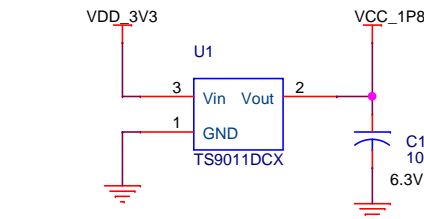
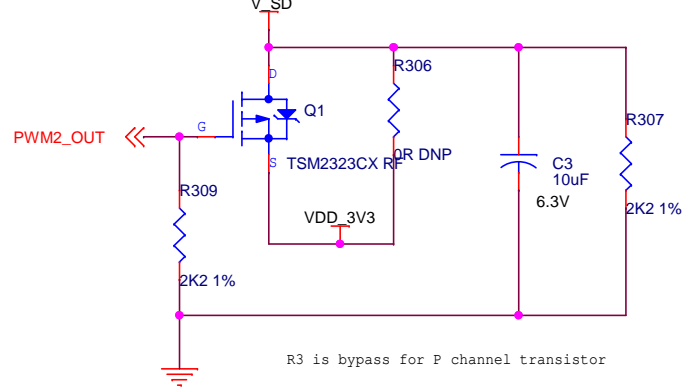


SDIO 3.3v / 1.8v switch circuitry



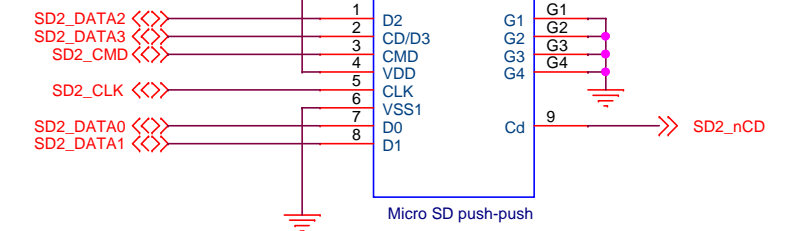
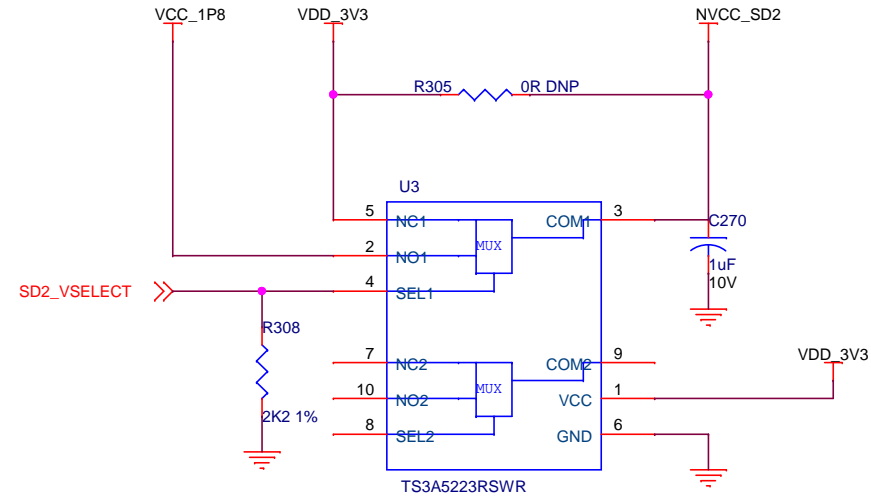
LDO input capacitor is shared with USB hub filter

micro SD power on/off
Change C85 to be 1uF instead of 10uF to prevent in-rush



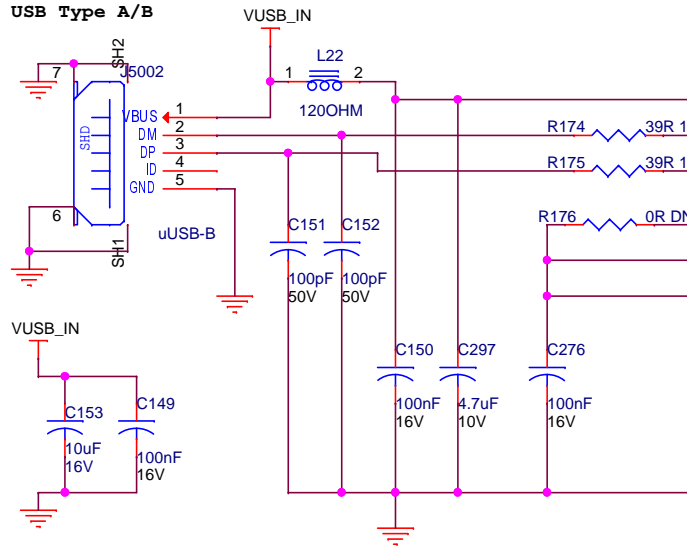
R3 is bypass for P channel transistor

micro SD connectors (assembly option of push-push type and hinged type)

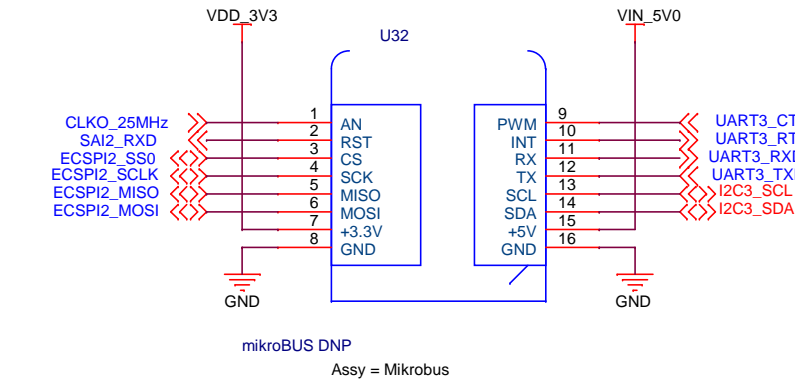
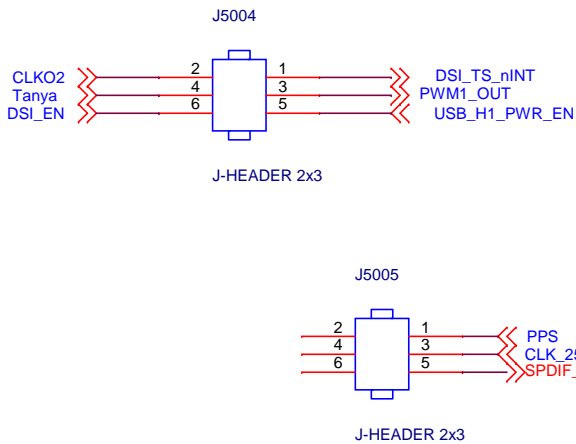
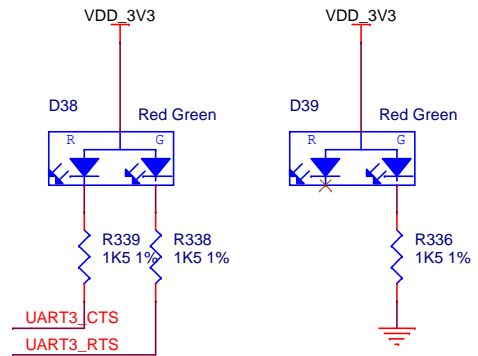
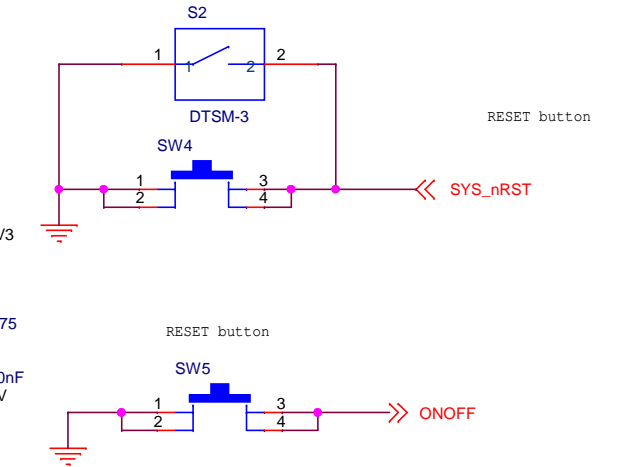
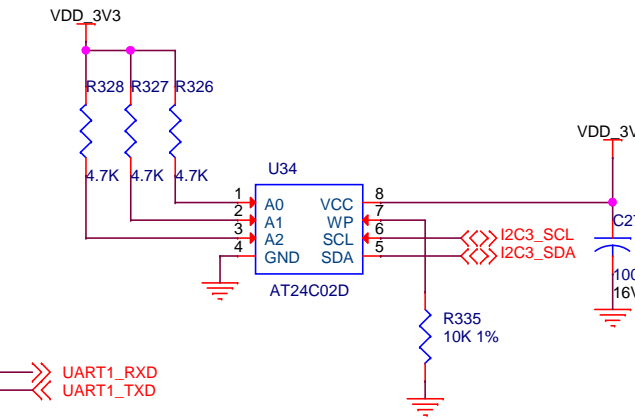
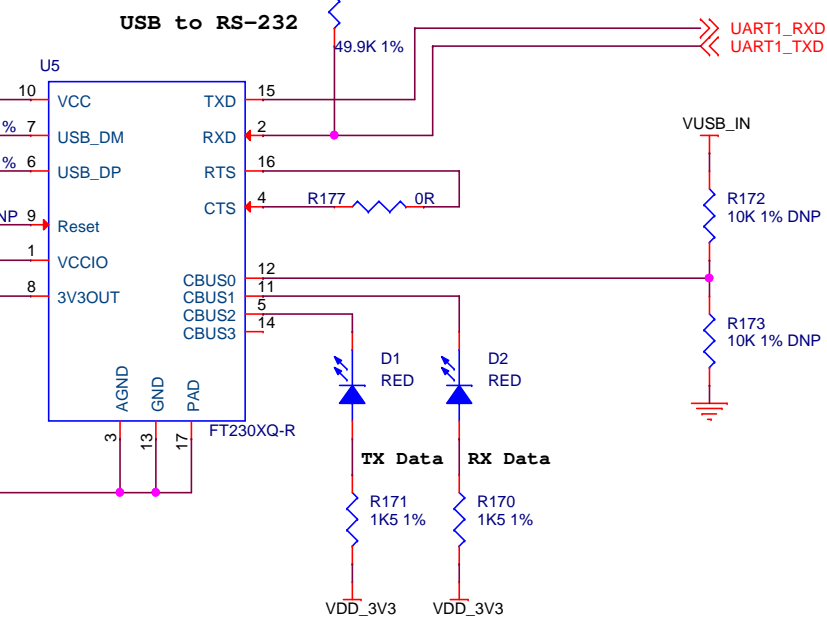


DEBUG/Control PORT

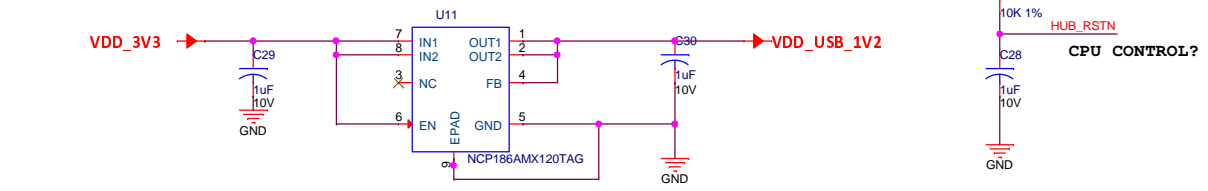
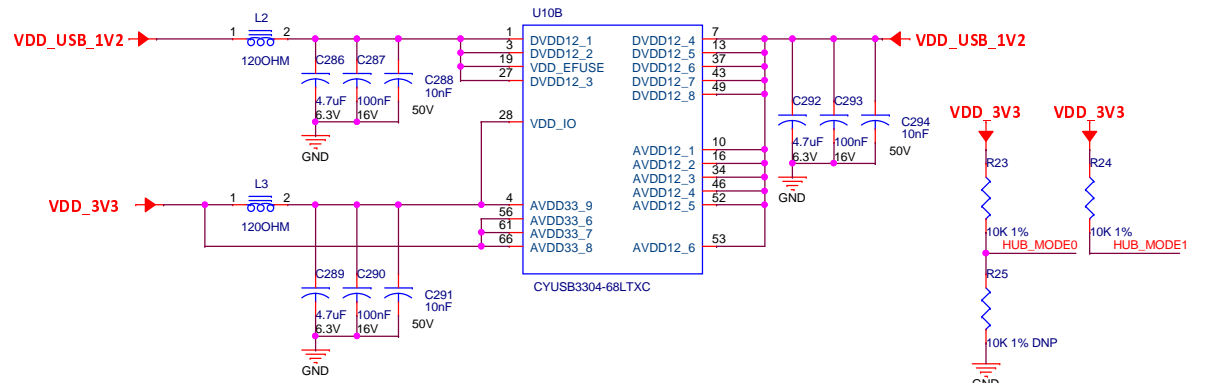
Micro USB Type A/B



USB to RS-232

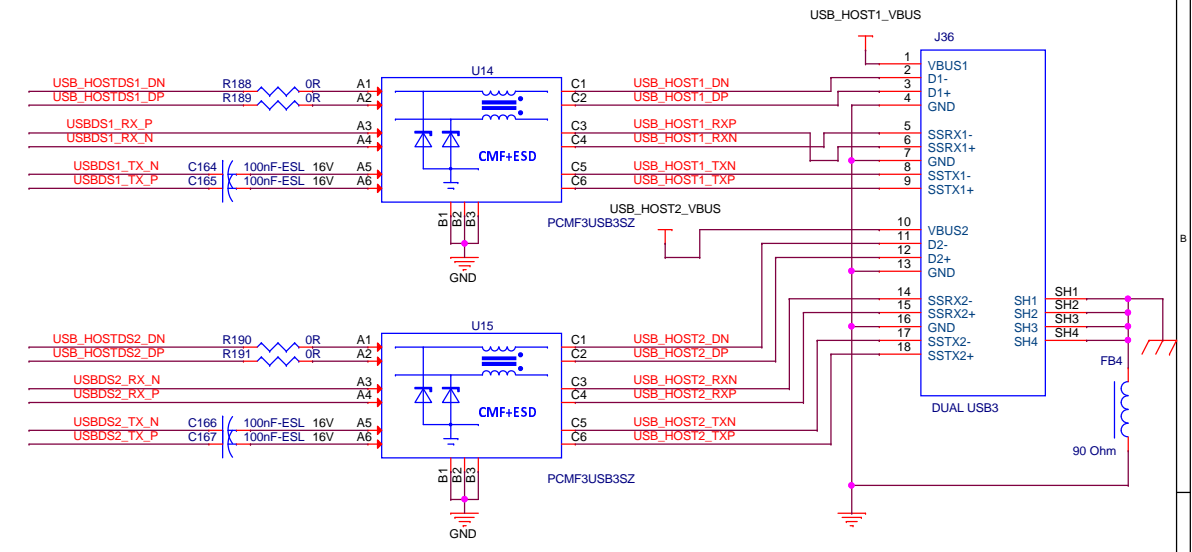
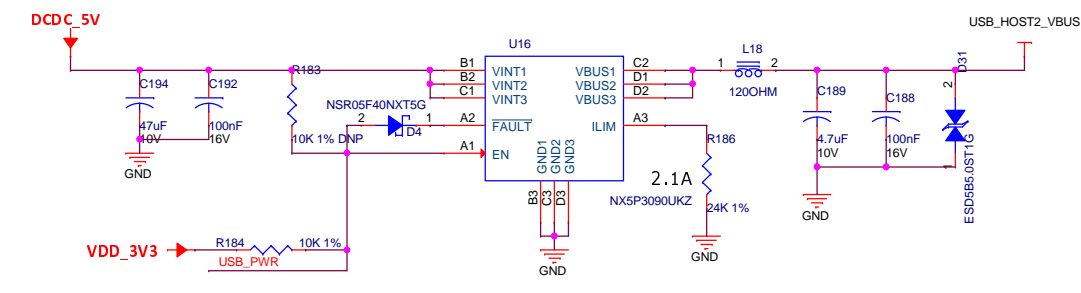
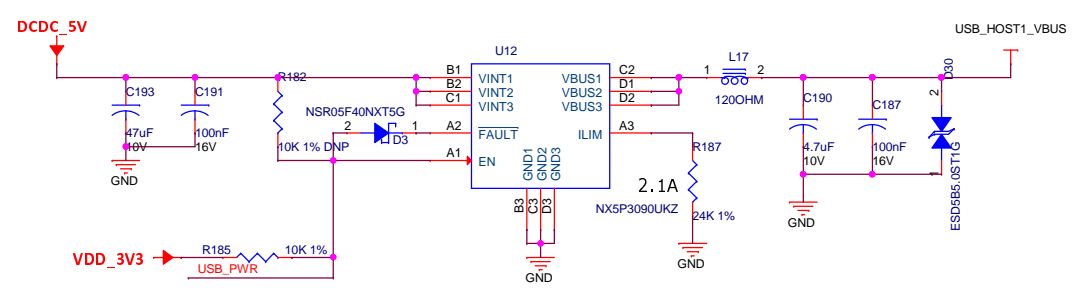
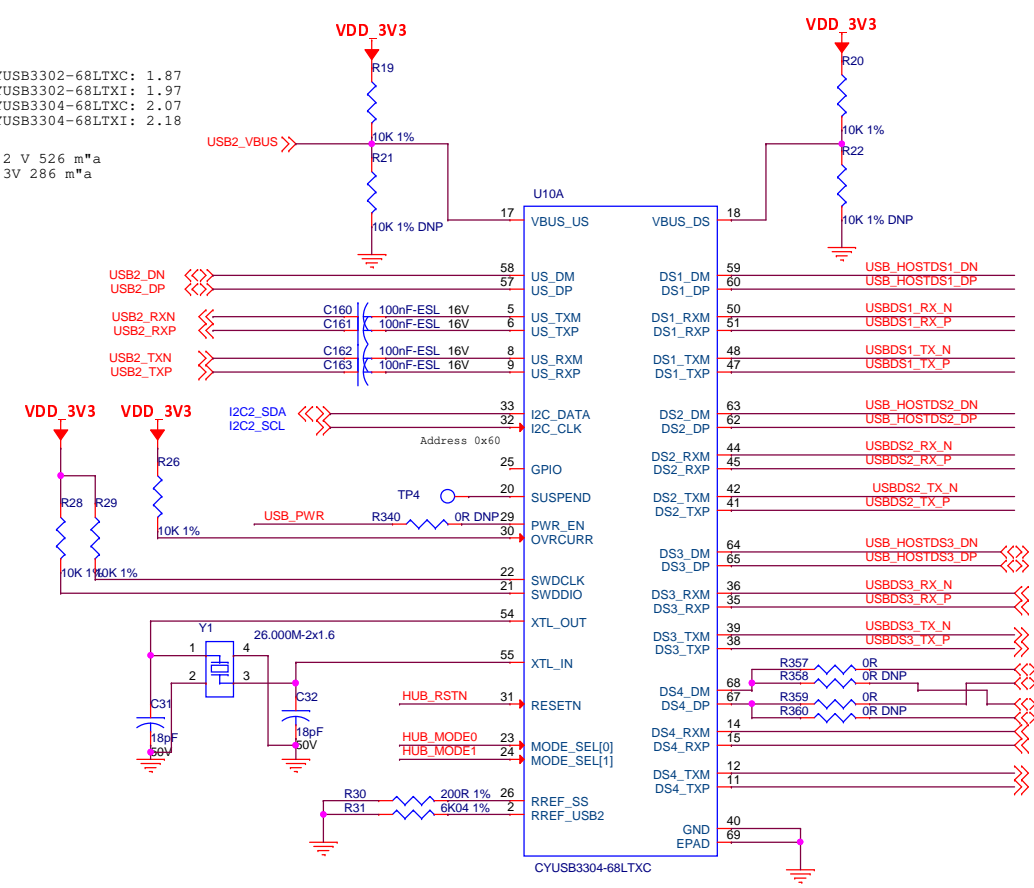


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Size A3	Title SYSTEM, DEBUG, uSD, EEPROM	Rev 1.0
Date: Tuesday, May 29, 2018	Sheet 02 of 11	

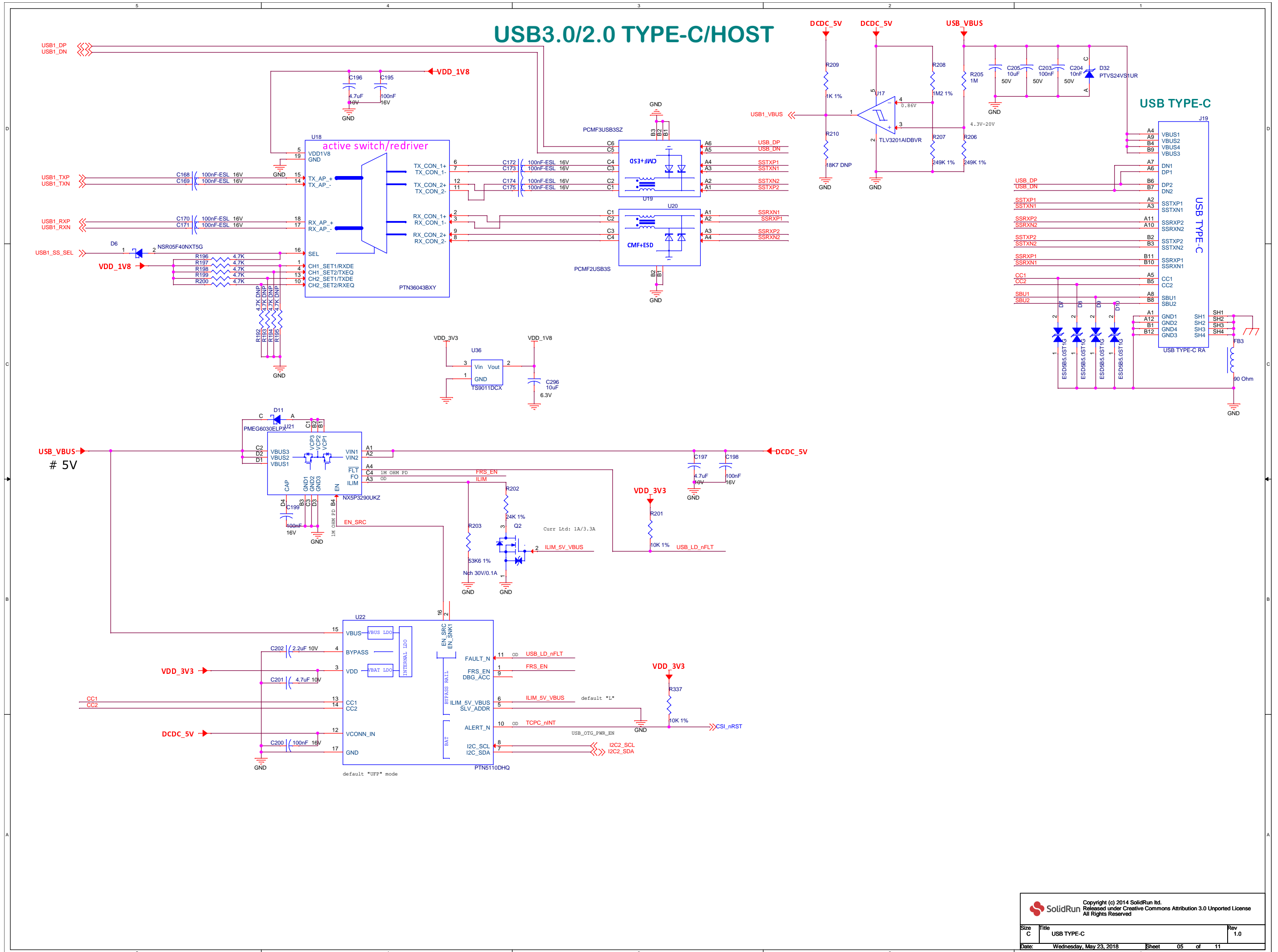


CYUSB3302-68LTXC: 1.97
 CYUSB3302-68LTXI: 1.97
 CYUSB3304-68LTXC: 2.07
 CYUSB3304-68LTXI: 2.18

1.2 V 526 mA
 3.3V 286 mA

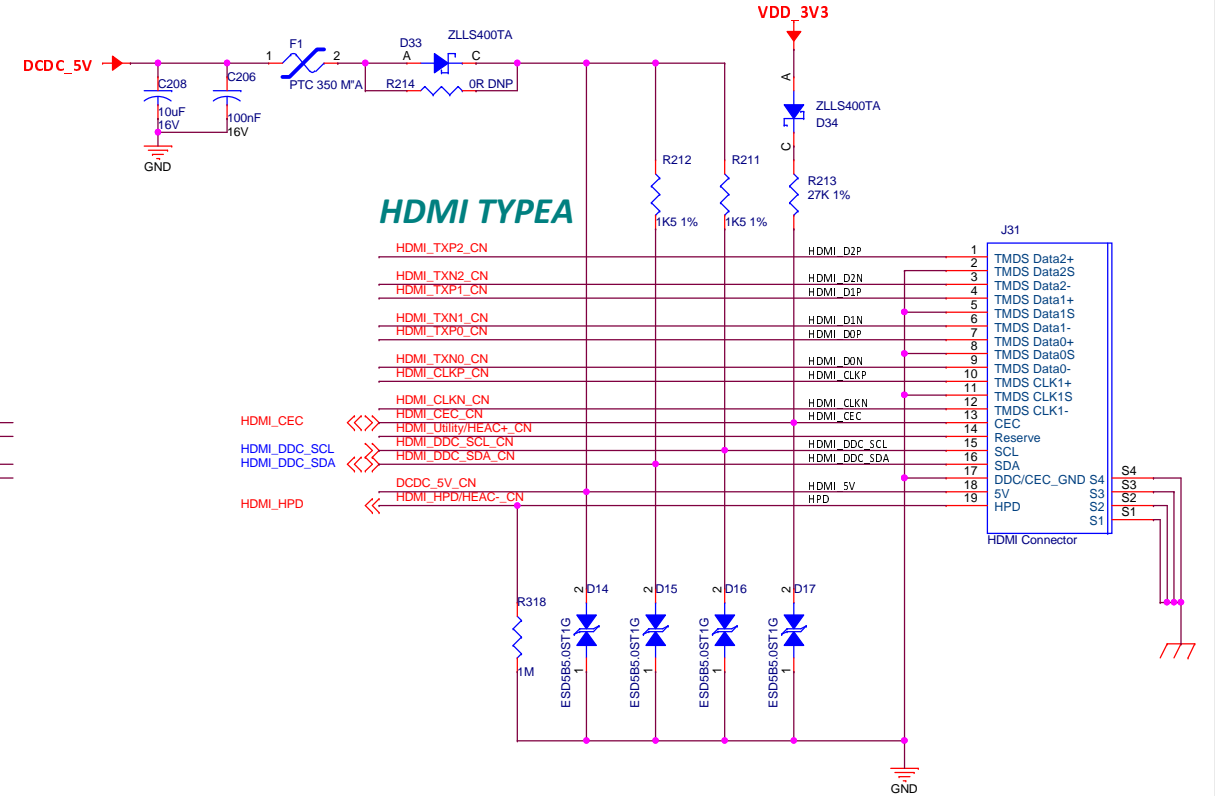
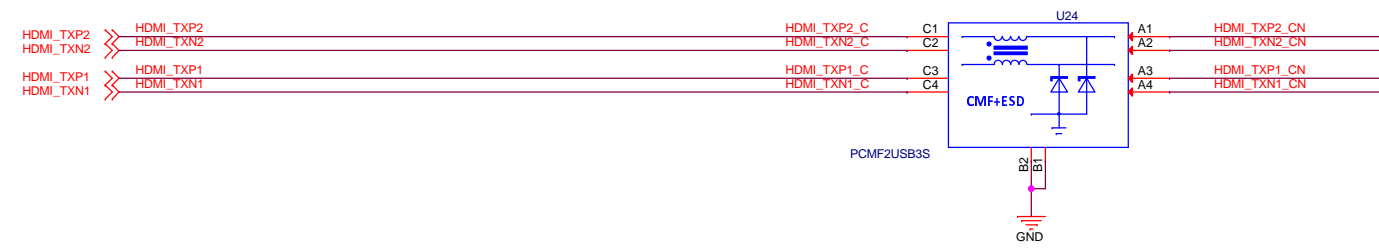
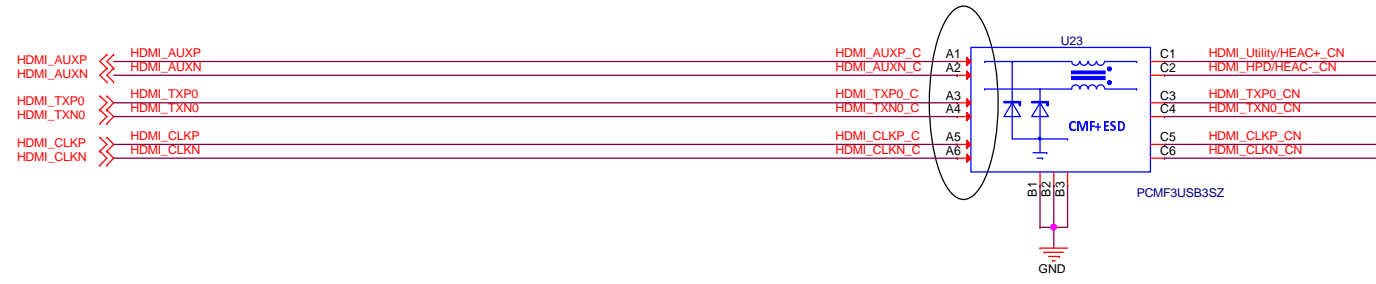


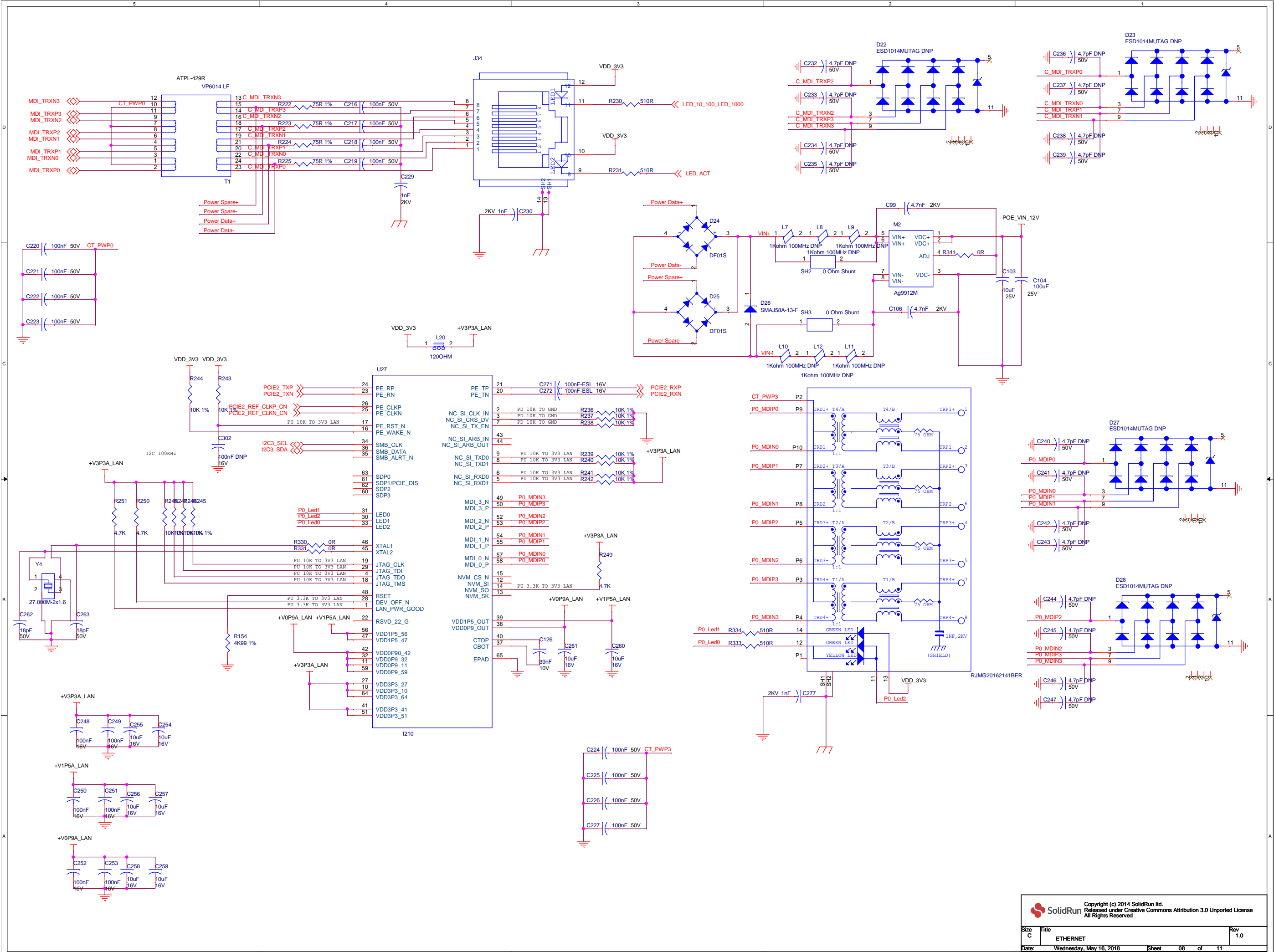
USB3.0/2.0 TYPE-C/HOST

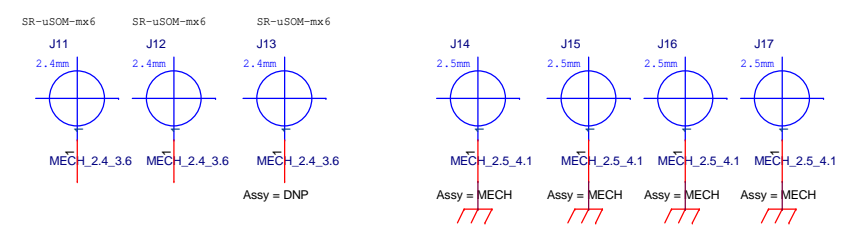
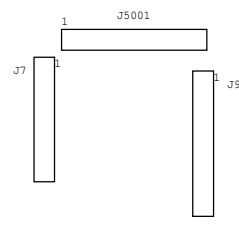
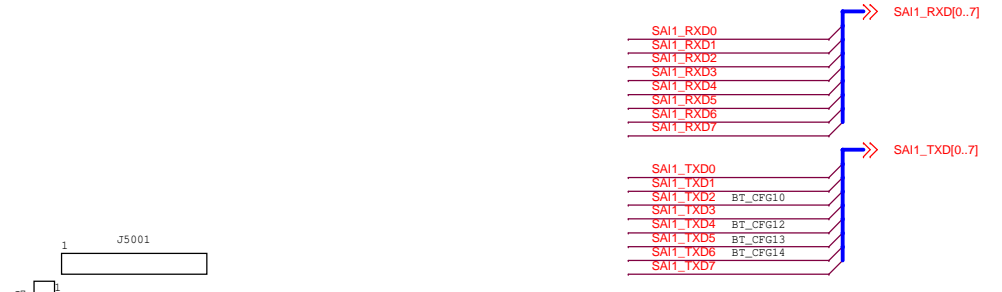
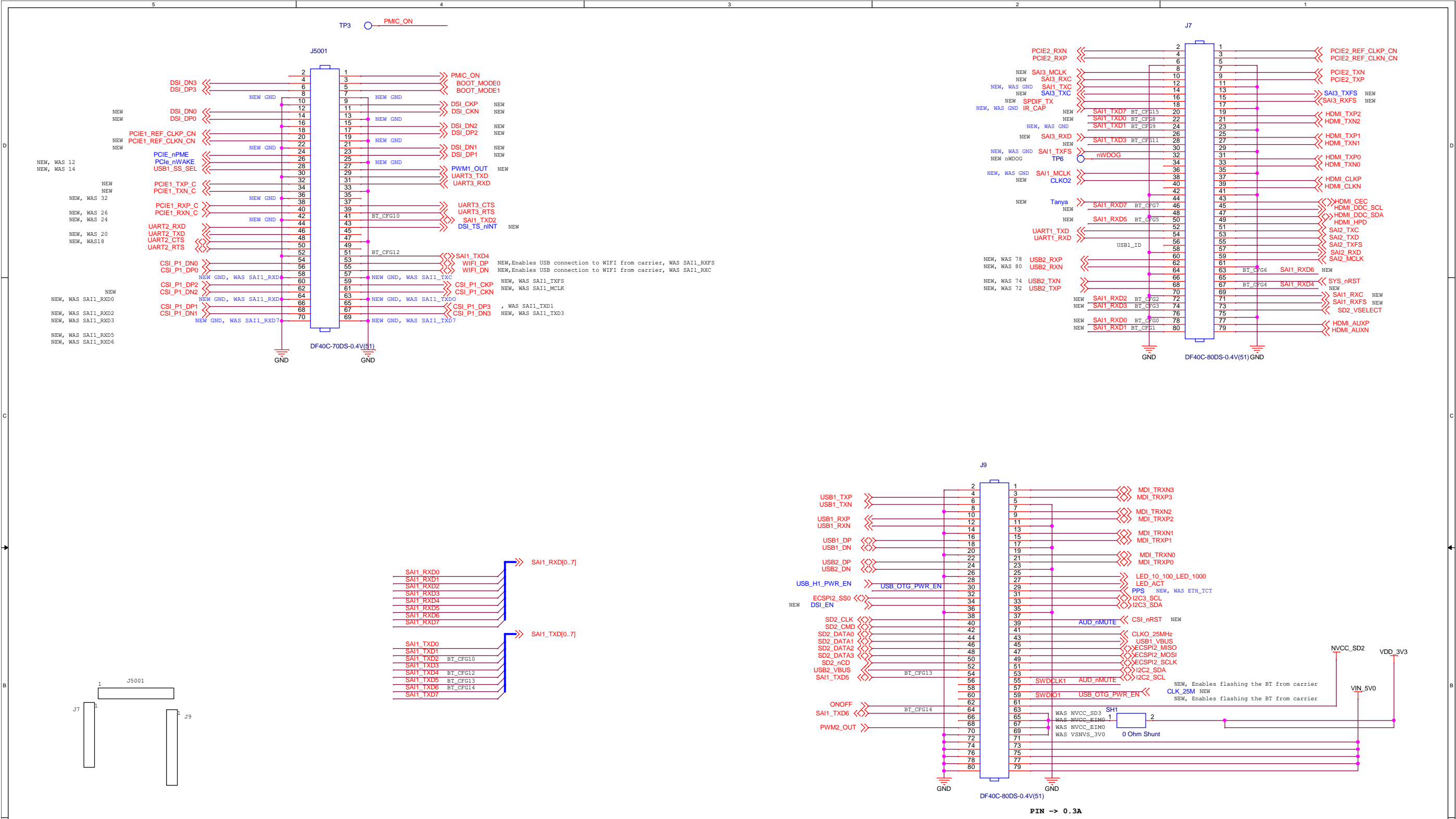


HDMI 2.0a TX

HDMI data EMI/ESD



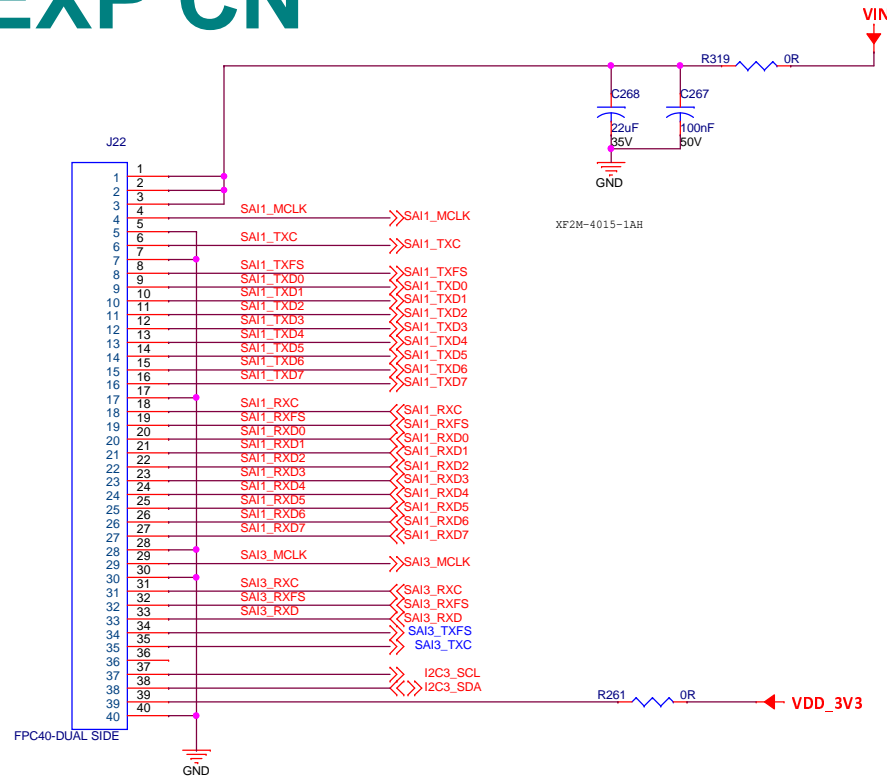




MECH_X_Y is a mechanical hole that the hole size is X mm and padstack is Y mm.
 J15, J16 and J17 are M2.5
 J18, J19 and J27 are M1.8
 J27 is a new mechanical hole for MicroSOM rev 1.4 and newer

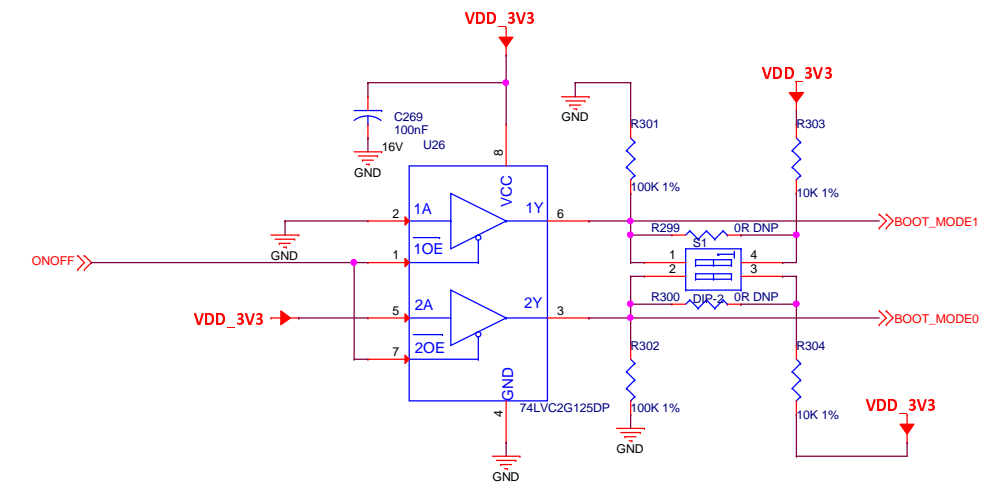
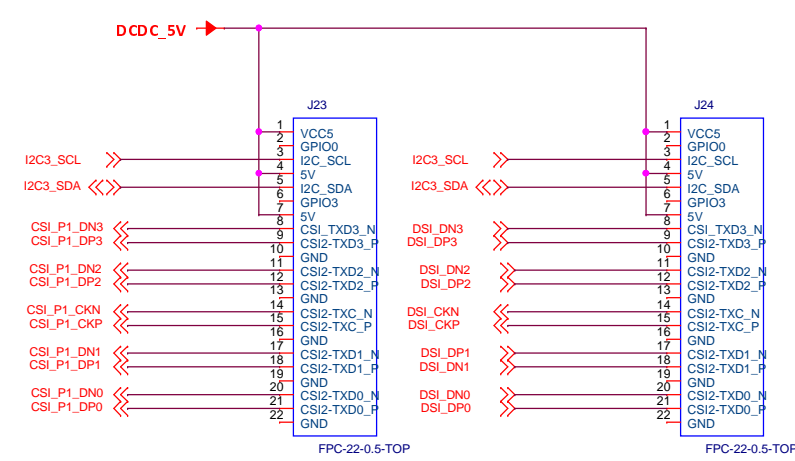
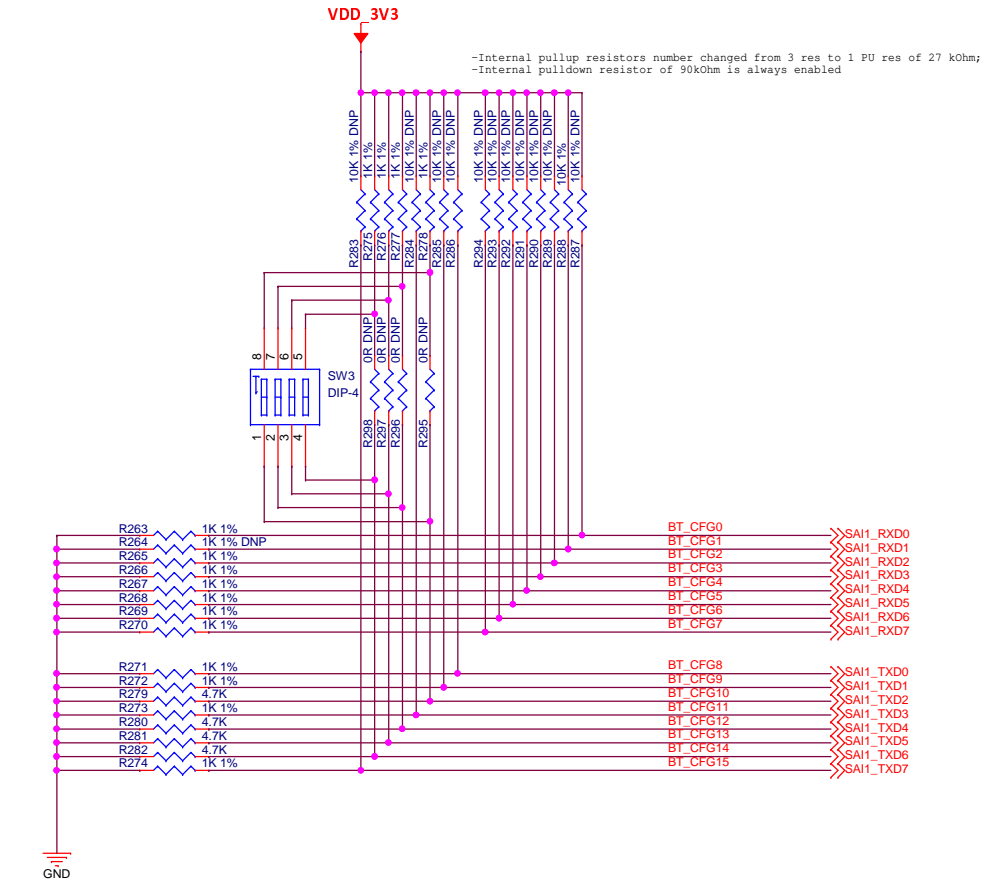
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Size C	Title B-T-B CONNECTORS
Date: Thursday, May 17, 2018	Rev 1.0
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EXP CN




XF2M-4015-1AH

-Internal pullup resistors number changed from 3 res to 1 PU res of 27 kOhm;
 -Internal pulldown resistor of 90kOhm is always enabled



Rev. 1.0	Prototype Version
Rev. 2.0	<ol style="list-style-type: none"> 1. Change R257 from 0 Ohm to 100K 2. Adding C297 a 4.7uF on USB Debug 3. Change J35 Routing 4. R23 is assembled instead of R25 to support standalone USB HUB mode 5. Connecting VIN_5V0 to DCDC_5V 6. Changing the Power load switch to TPS25942A to support reverse power blocking 7. Changing J5001, J7 and J9 routing to support the new IMX-8 SOM 8. Change the Audio CODEC to WM8904 to support IN/OUT

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Size A	Title HISTORY	Rev 1.0	
Date: Wednesday, May 16, 2018		Sheet 11 of 11	