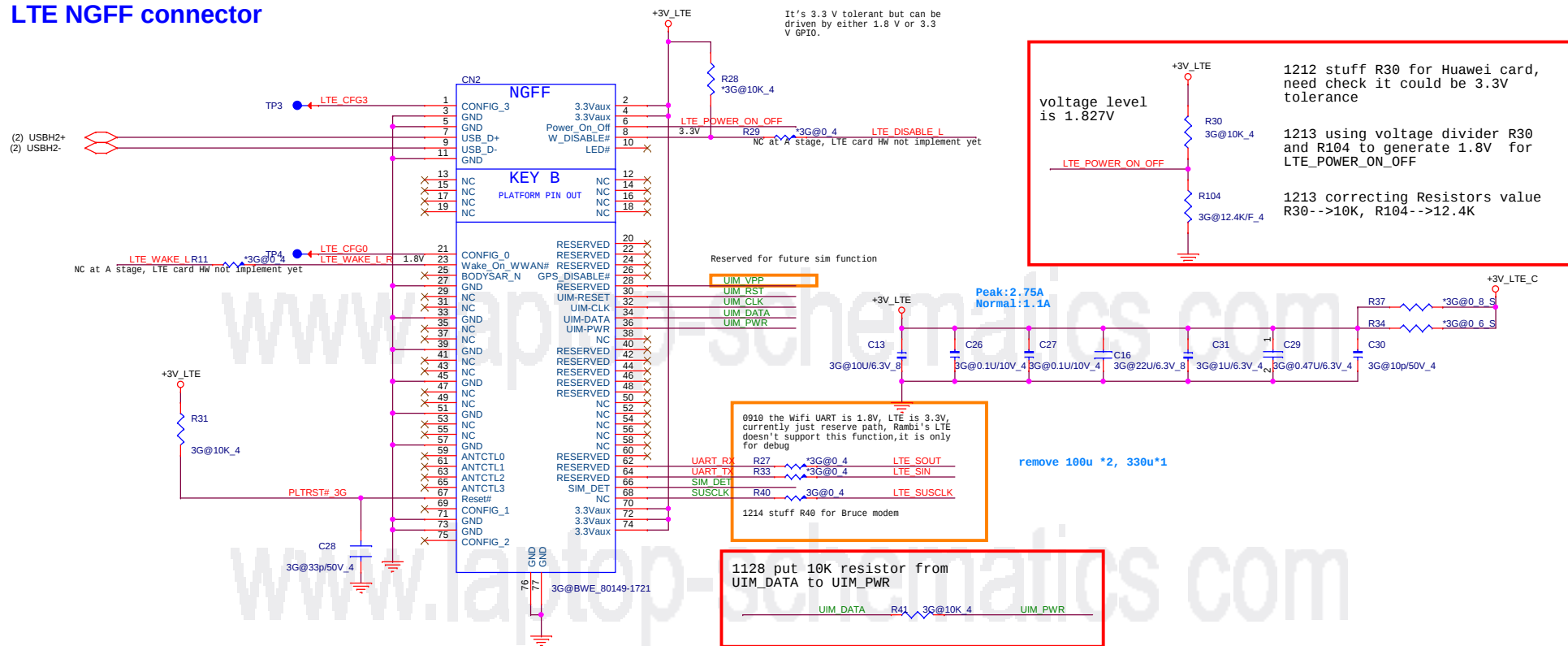
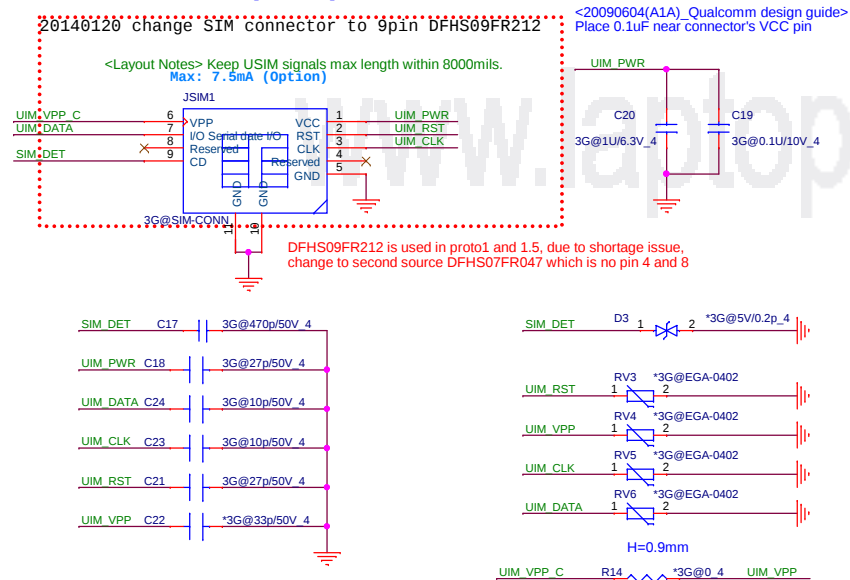


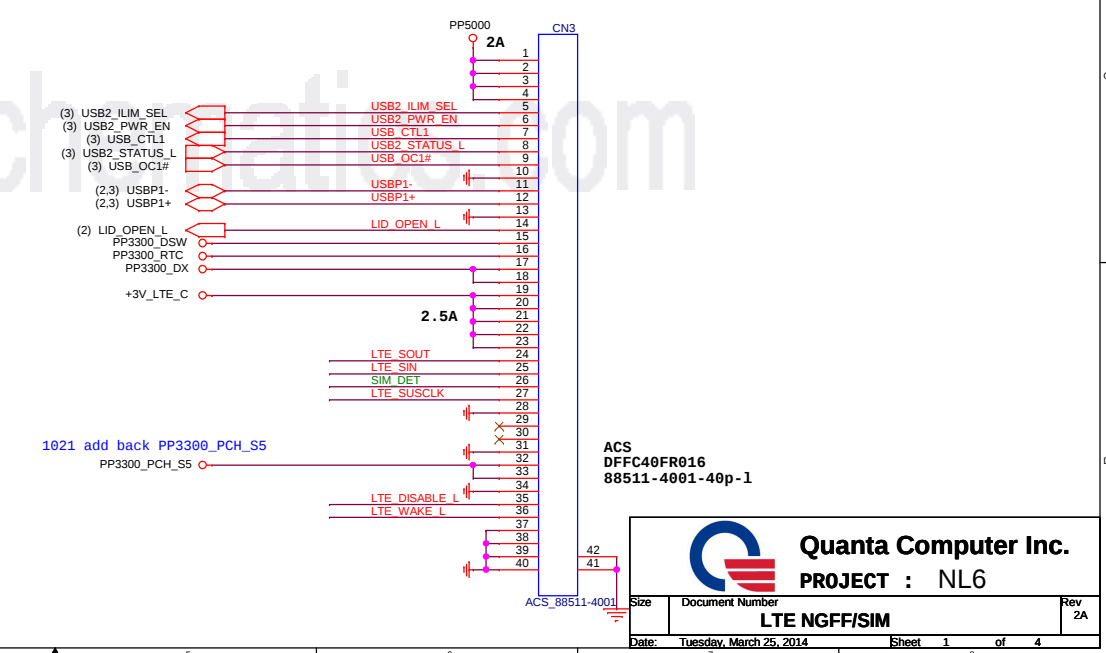
LTE NGFF connector



MultiMedia SIM (MNC)

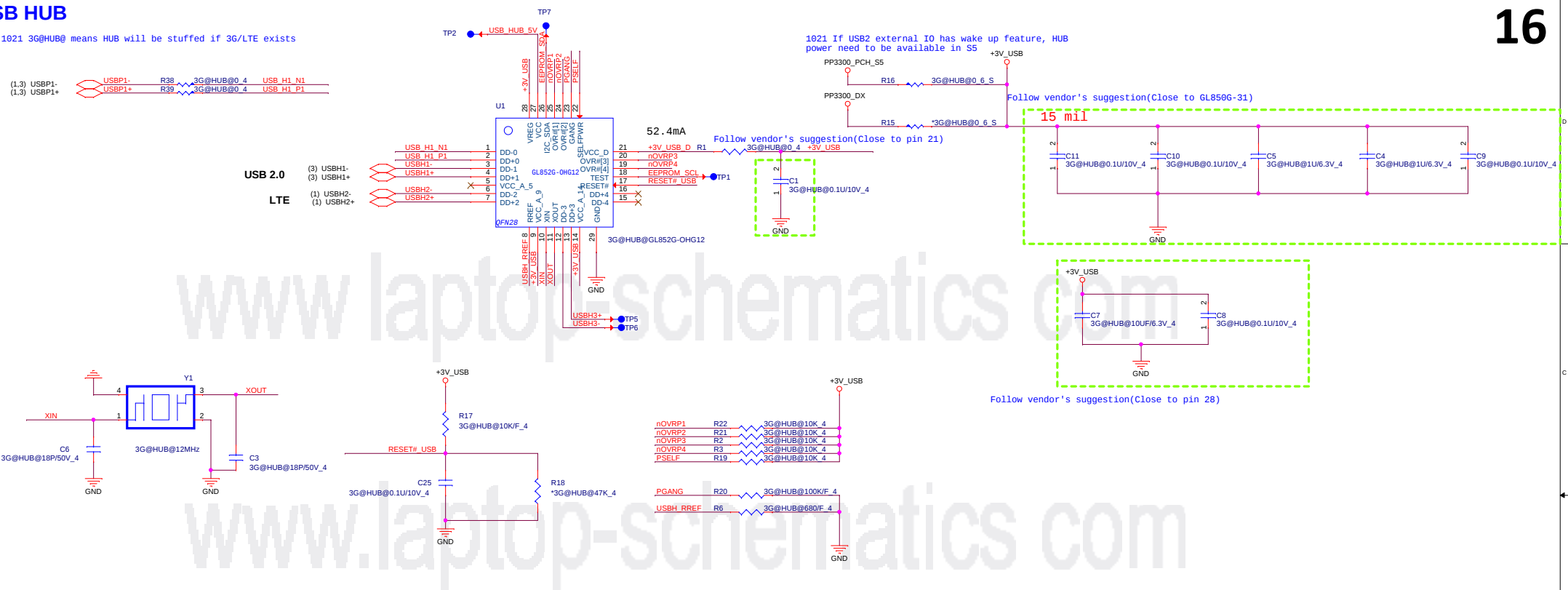


IO Board Connector

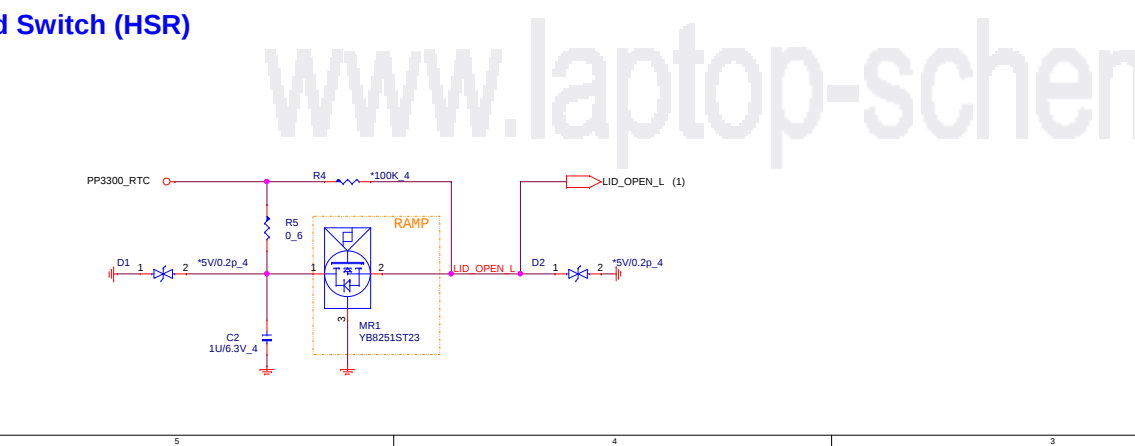


USB HUB

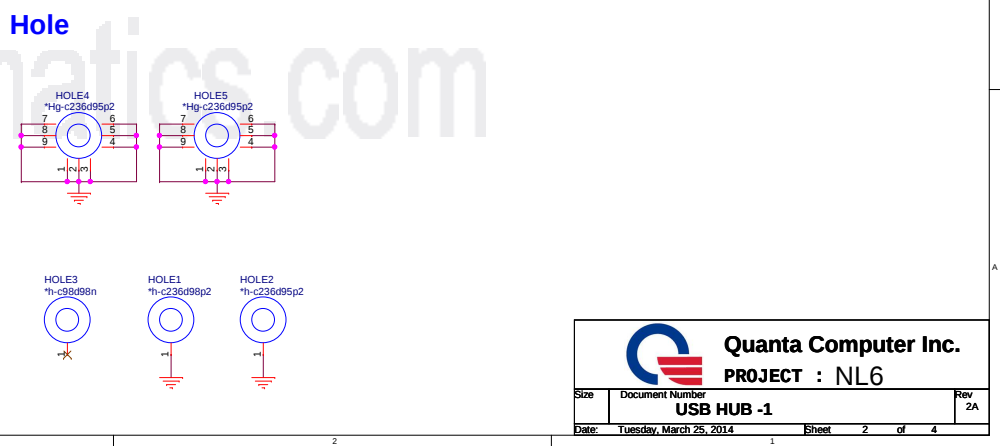
1021 3G@HUB@ means HUB will be stuffed if 3G/LTE exists



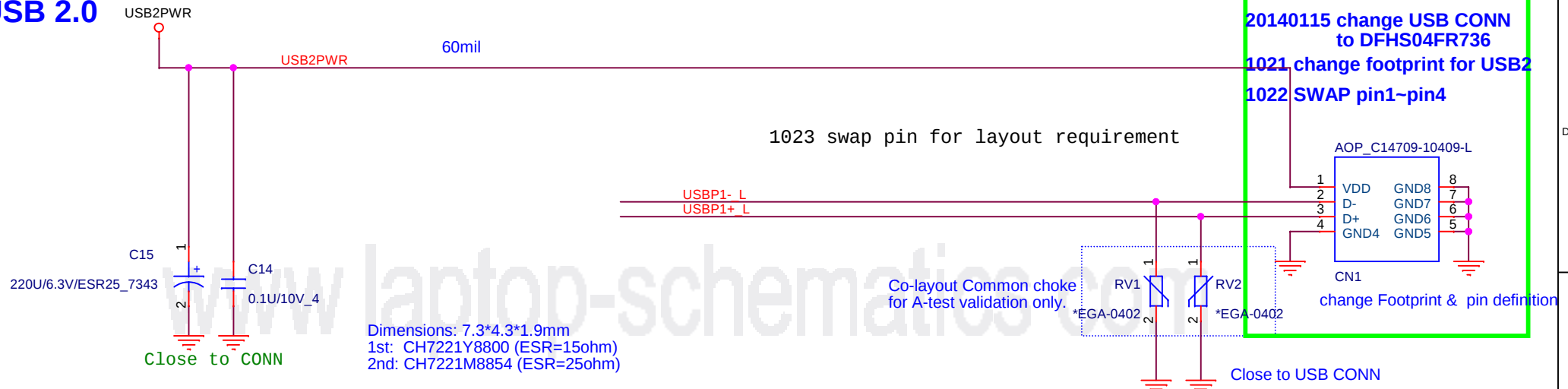
Lid Switch (HSR)



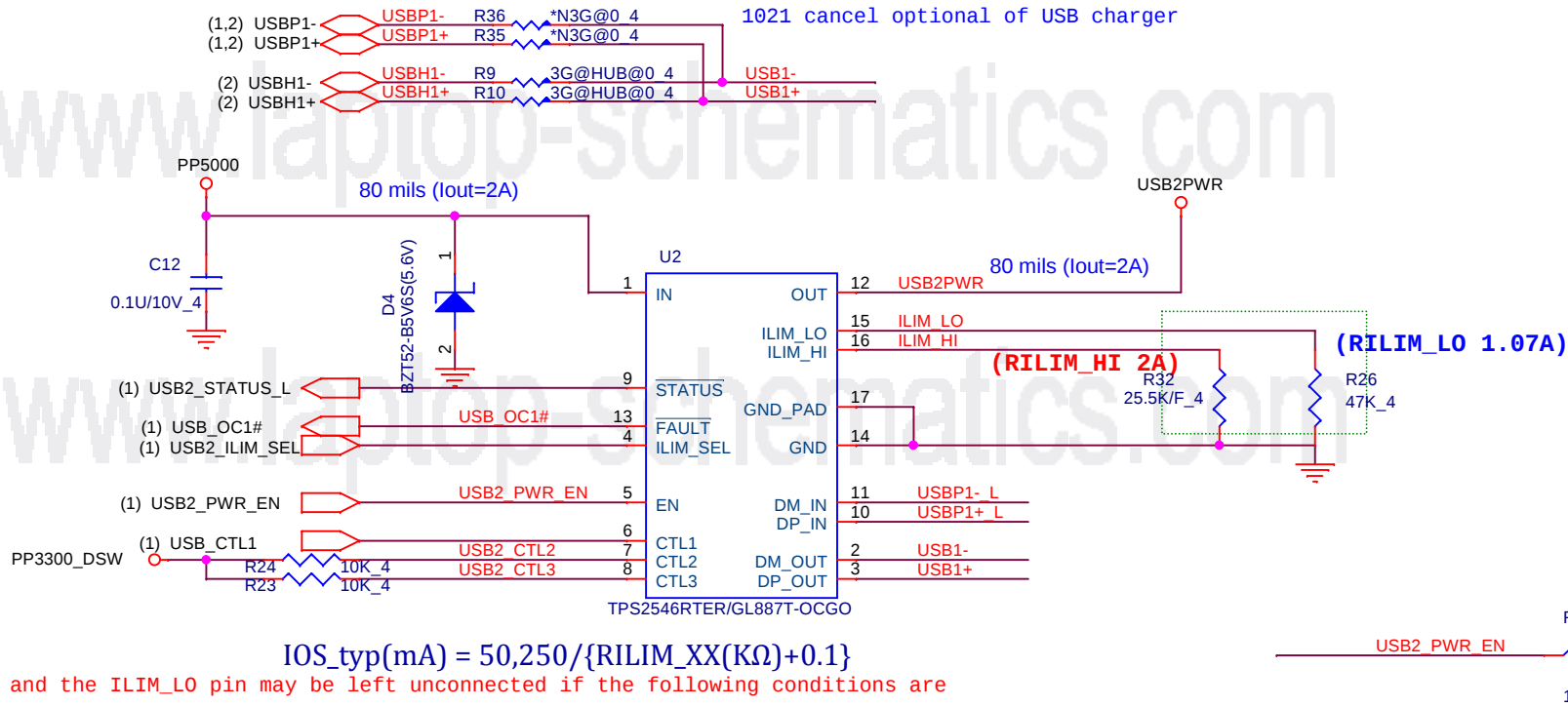
Hole



USB 2.0



USB Charger



$$I_{OS_typ}(mA) = 50,250 / \{RILIM_XX(K\Omega) + 0.1\}$$

RILIM_LO is optional and the ILIM_LO pin may be left unconnected if the following conditions are met:

1. ILIM_SEL is always set high
 2. Load Detection - Port Power Management is not used
 3. Mouse / Keyboard wake function is not used
- If conditions 1 and 2 are met but the mouse / keyboard wake function is also desired, it is recommended to use RILIM_LO < 80.6 kΩ.
- The following equation programs the typical current limit:
- (1) RILIM_XX corresponds to either RILIM_HI or RILIM_LO as appropriate.



Quanta Computer Inc.

PROJECT : NL6

Size	Document Number	Rev
	USB 2.0/USB Charger	2A
Date:	Tuesday, March 25, 2014	Sheet 3 of 4

Model	Version	CHANGE LIST
Chrome	1A	1. update CN2 connecotr to DFFC24FS006 and footprint. 2. update CN22 connecotr to DFHS52FR107 and footprint. 3. update JSIM1 connecotr to DFHS09FR212 and footprint. 4. update CN17 connecotr to DFHD12MR046 and footprint. 5. Net LTE_WAKE_L change connection from CN22 pin51 to pin1 6. Change net name +3v_mini2_VDD to +3v_VDD 7. Add 0 ohm in UIM_VPP 8. Add Hole1 ~ Hole6 9. reverse CN2 pindefine 10.swap USB6+_R,USB6-_R 11. Modify U1 pin20 net name. 12. Change Tp name and add TP 13. Change LTE to NGFF 14. Reserve 10KΩ pull up to LTE_POWER_ON_OFF 14. USB CN29 footprint & pin define 14. change D35,D23 to 0402
	2A	1. Remove Card reader 2. Add USB HUB 10/21 1. add back PP3300_PCH_S5 2. add back USB HUB power option (PP3300_PCH_S5) 3. 3G@HUB@ means HUB will be stuffed if 3G/LTE exists 4. cancel optional of USB charger 5. change footprint and PN for USB2,need check layout file again 10/22 1. change USB connector pin definition for layout 10/23 1. swap L27 pin for layout requirement 10/24 1. Remove EEPROM U50. 10/25 1. Reserve R40, add LTE_SUSCLK
	3A	11/28 1. put 10K resistor from UIM_DATA to UIM_PWR 12/04 1. change SIM connector to 7pin DFHS07FR047 12/12 1. stuff R30 for Huawei card, need check it could be 3.3V tolerance 12/13 1. using voltage divider R30 and R104 to generate 1.8V for LTE_POWER_ON_OFF for Huawei card 2. correcting Resistors value R30-->10K, R104-->12.4K 12/14 1. stuff R40 for Bruce modem
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