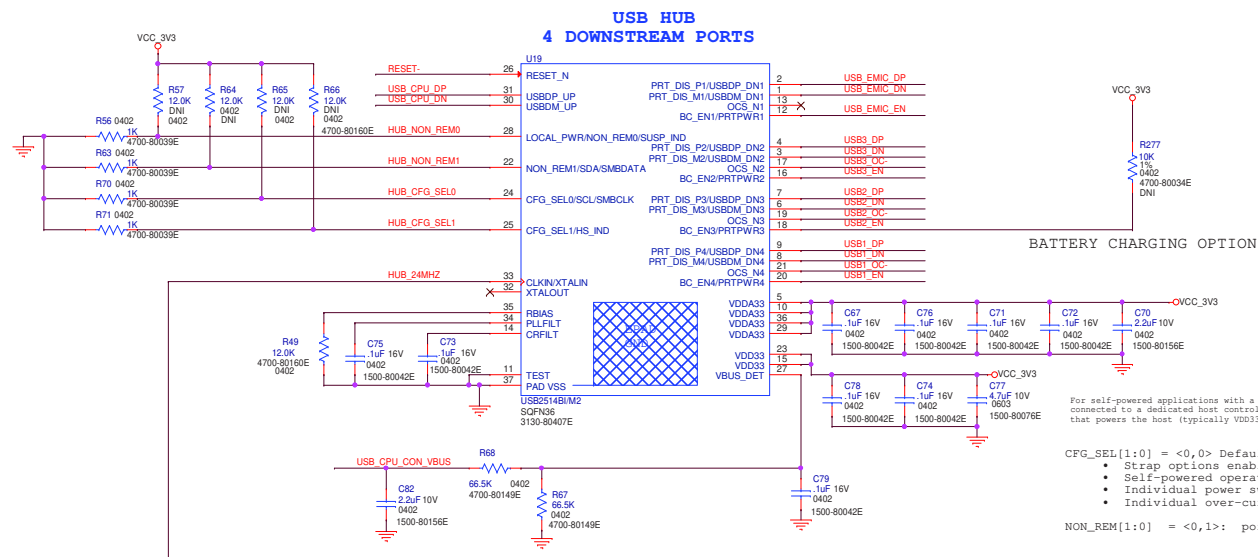
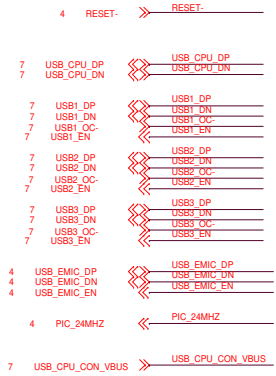


# USB HUB

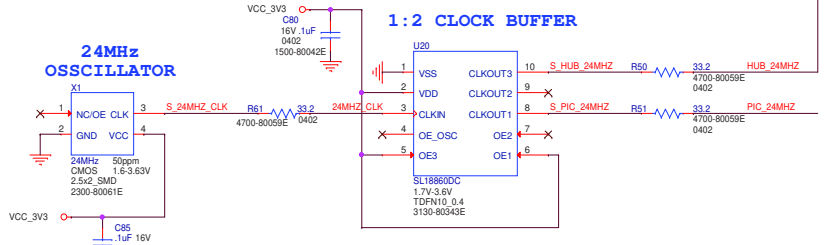


For self-powered applications with a permanently attached host, VBUS\_DET pin must be connected to a dedicated host control output, or connected to the 3.3 V domain that powers the host (typically VDD33).

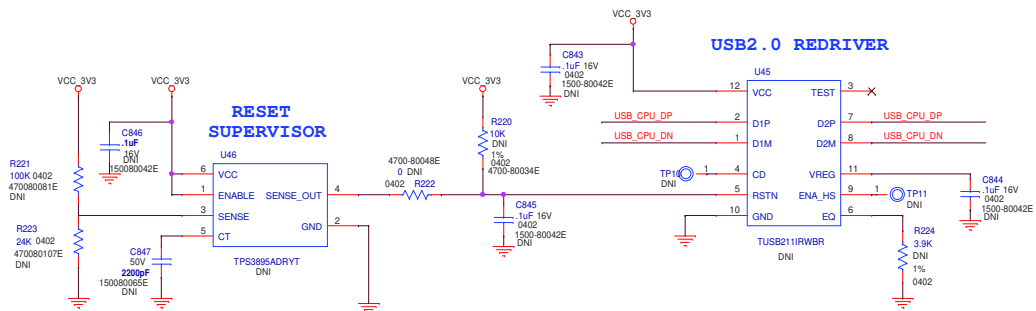
CFG\_SEL[1:0] = <0,0> Default configuration:

- Strap options enabled
- Self-powered operation enabled
- Individual power switching
- Individual over-current sensing

NON\_REM[1:0] = <0,1>: ports 1 is non-removable




Layout: Place RC at the end of net



EQ gain setting	R1 [ohms]
Level 0	100 +/- 5%
Level 1	1800 +/- 5%
Level 2	3900 +/- 1%
Level 3 [MIN]	9100 +/- 5%

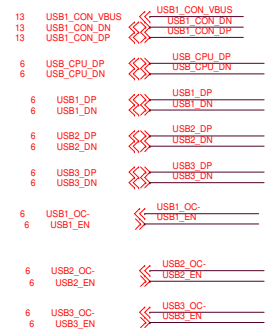
REPEATER IS MADE NO-STUFF



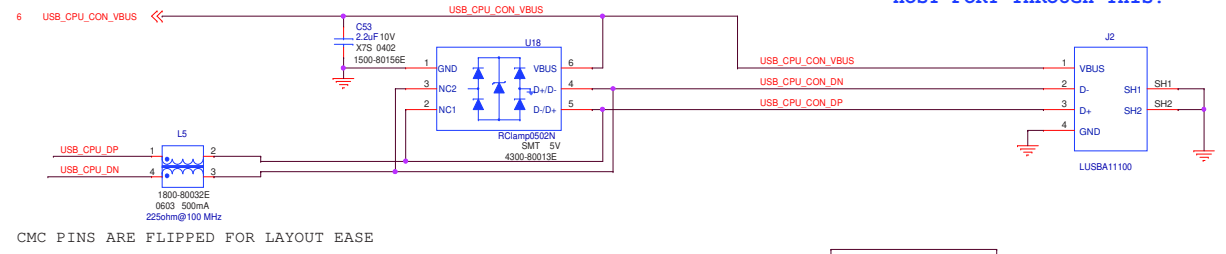
Celliber Technologies  
Vyshak Center, 2nd floor, No.1027, 24th Main  
11th Cross, Sector I, HSR layout, Bangalore  
560102, India

<b>B035</b>		Sheet	
07-USB Hub		7 of 16	
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Date changed		Wednesday, May 30, 2018	

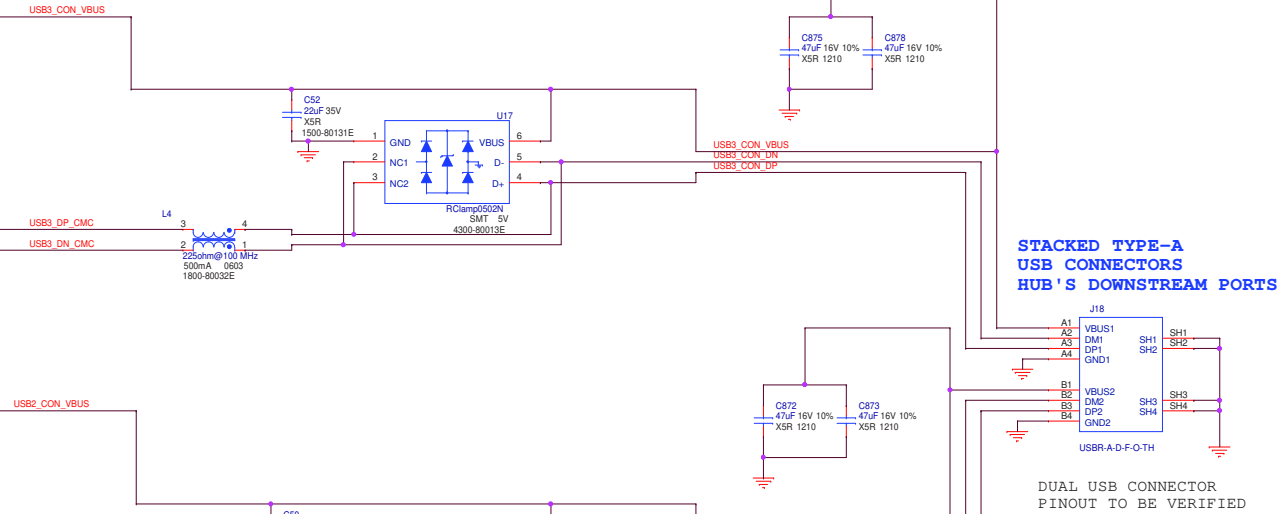
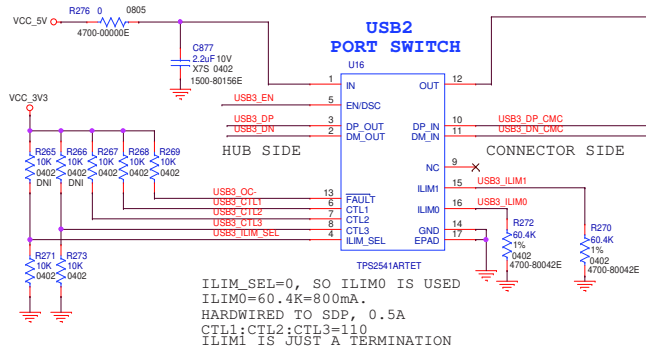
# DB9 & USB CONNECTORS



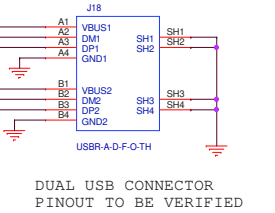
**TYPE-A PORT USED AS DEVICE PORT. THE HUB'S UPSTREAM PORT CONNECTS TO MASTER 9100'S HOST PORT THROUGH THIS.**



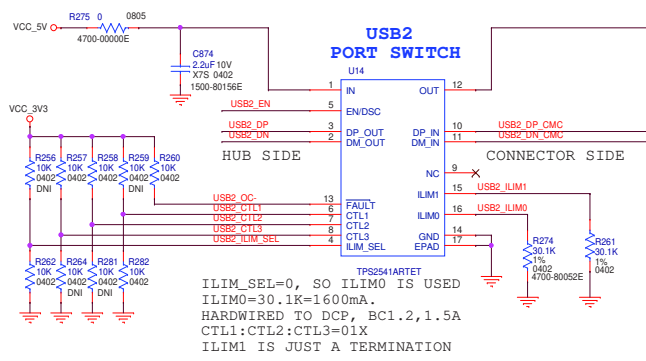
CMC PINS ARE FLIPPED FOR LAYOUT EASE



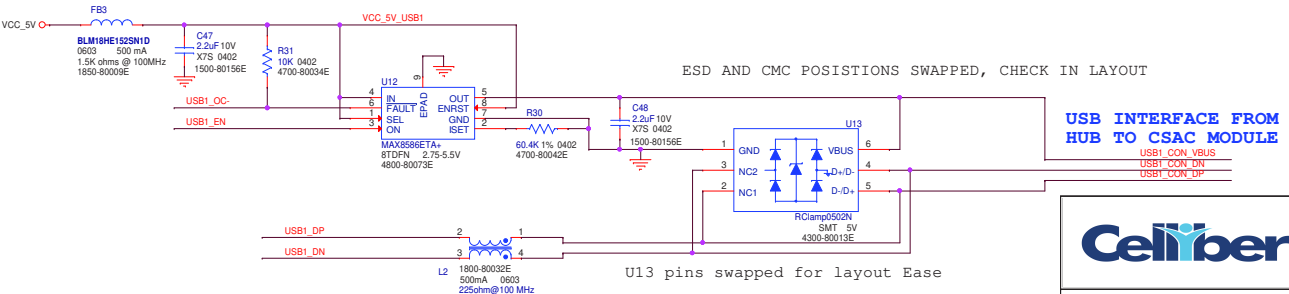
**STACKED TYPE-A USB CONNECTORS HUB'S DOWNSTREAM PORTS**



DUAL USB CONNECTOR PINOUT TO BE VERIFIED



ESD AND CMC POSITIONS SWAPPED, CHECK IN LAYOUT



U13 pins swapped for layout ease

**USB INTERFACE FROM HUB TO CSAC MODULE**

	Celliber Technologies Vyshak Center, 2nd floor, No.1027, 24th Main 11th Cross, Sector I, HSR layout, Bangalore 560102, India		
	<b>B035</b> 08-USB Ports	Size 1000-B035	Rev. 0.1
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