

SHARED PINS TABLE (RED WIRES)

NET	BUS 1	BUS 2
PB3	JTAG	SDC2
PH11	CAM	I2C4
PH12	CAM	I2C4
P15	CAM D3_N	SAI2A
P16	CAM D3_P	SAI2A
PI7	CAM	ANALOG
PA4	CAM	ANALOG
PA6	CAM	ANALOG (A4)
PC2	ANALOG (A4)	ANALOG (A5)
PC3	ANALOG (A5)	ANALOG (A5)

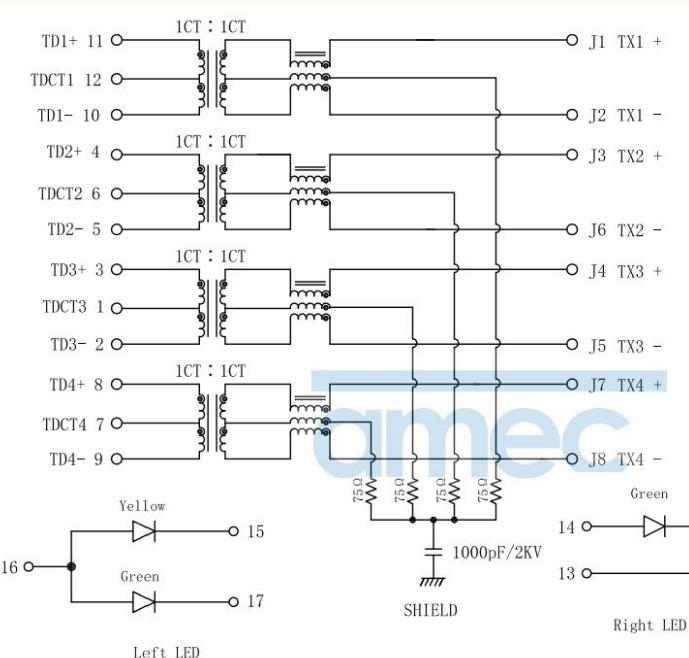
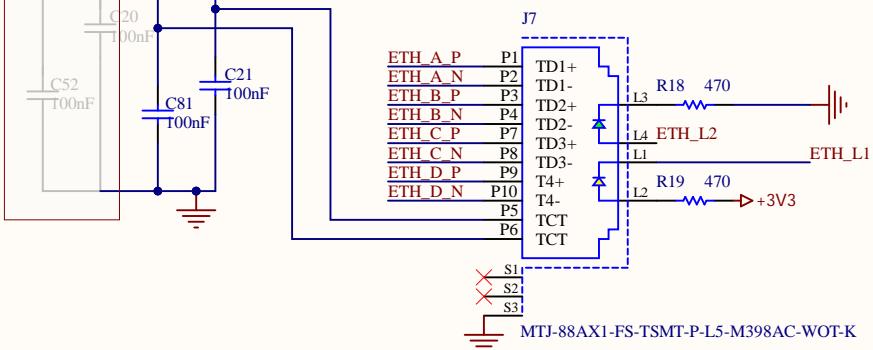
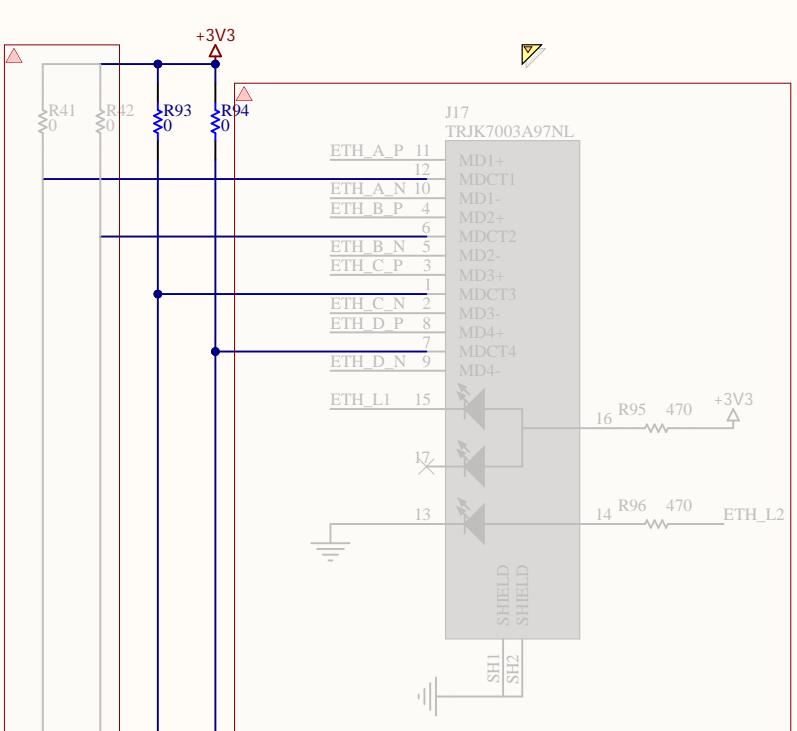
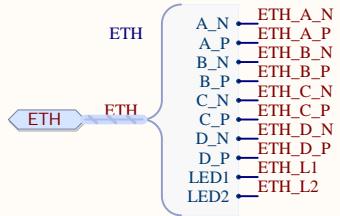
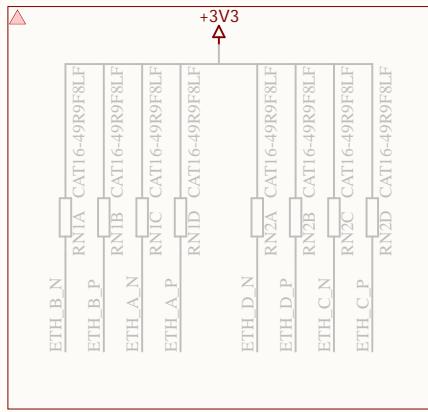
POWER NETS TABLE

NET	TYPE	RANGES	DESCRIPTION
VIN	PORTENTA INPUT	4.1V to 6V.	Default 3.3V, PMIC (U10) programmable output.
VCC	PORTENTA OUTPUT	1.1V to 3.3V in steps, max 1A.	Default 3.3V, PMIC (U10) programmable output.
VSYS	PORTENTA RESERVED OUTPUT	RESERVED, DO NOT USE	Default 4.2V, PMIC (U10) programmable output which is also the input voltage of the buck inside the PMIC itself.
LICELL	PORTENTA INPUT	3.5V to 4.2V, max 600mA.	Max 4uA with PMIC (U10) in coin cell mode, max 46uA with PMIC in standby/suspend mode.

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Title: HD Connectors female		RevAuthor: *
ID: ASX00027	Revision: V0.1	
Date: 3/2/2021	Time: 2:30:32 PM	
Sheet 2 of 6	File: HDConn_FEMALE.SchDoc	





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CABLE SIDE

B

C

D

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Time: 2:30:33 PM

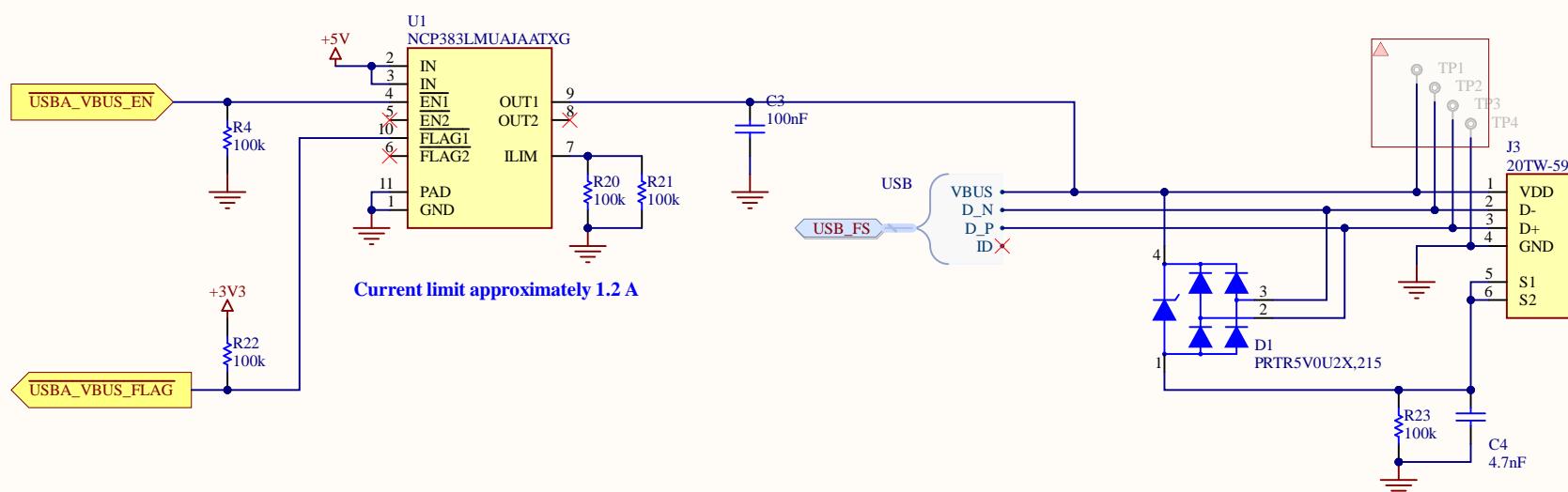
Sheet 3 of 6

File: ETHERNET.SchDoc

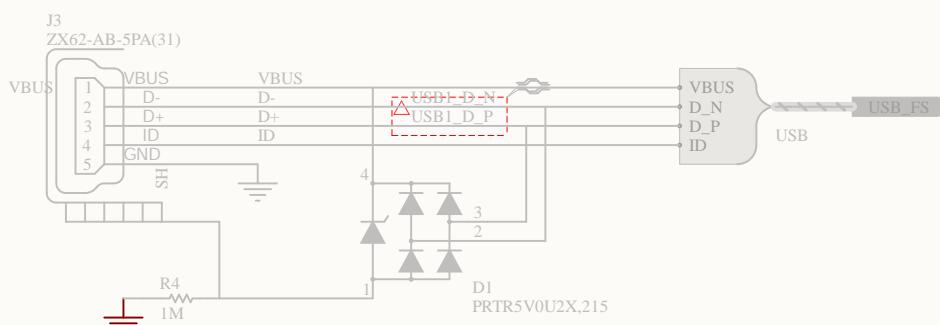
Author: *



Micro USB without VBUS



Micro USB without VBUS



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The Arduino logo consists of a teal infinity symbol with a minus sign on the left and a plus sign on the right, followed by the word "ARDUINO" in a teal sans-serif font.

A

A

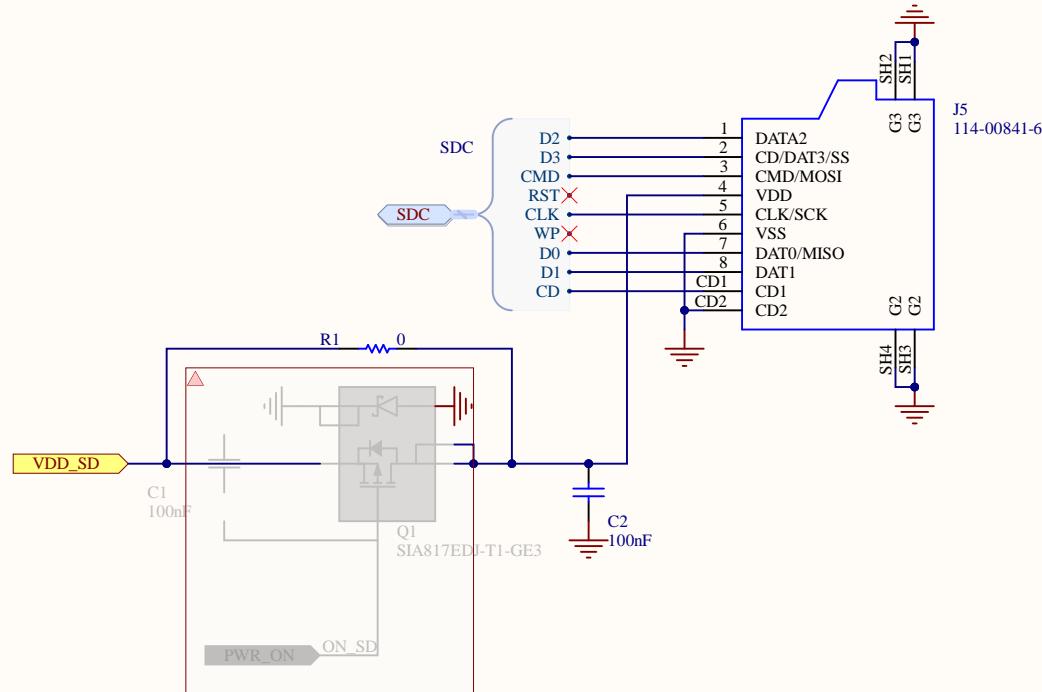
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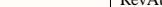
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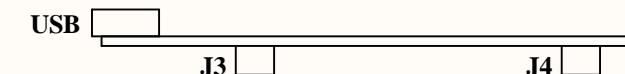
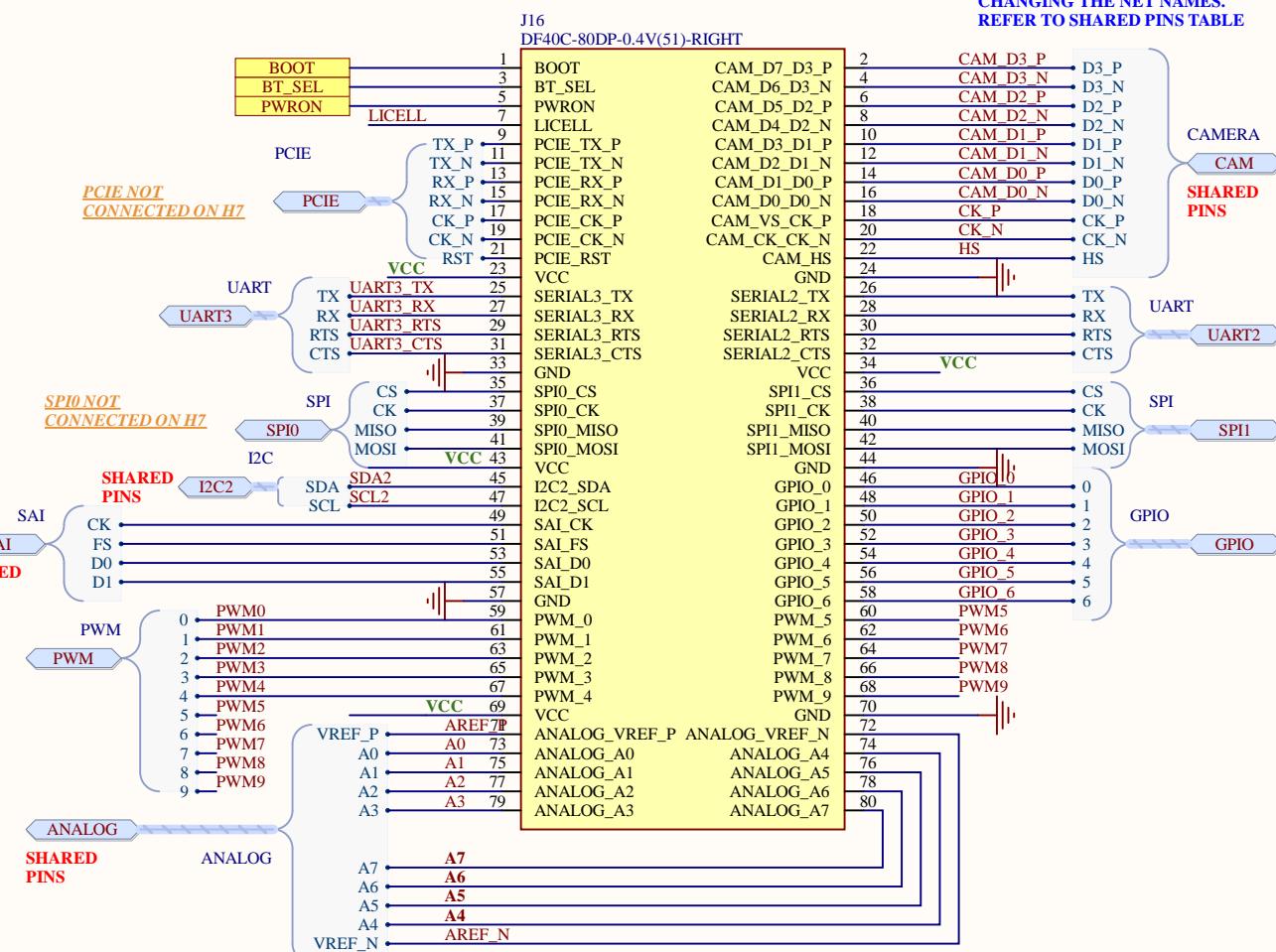
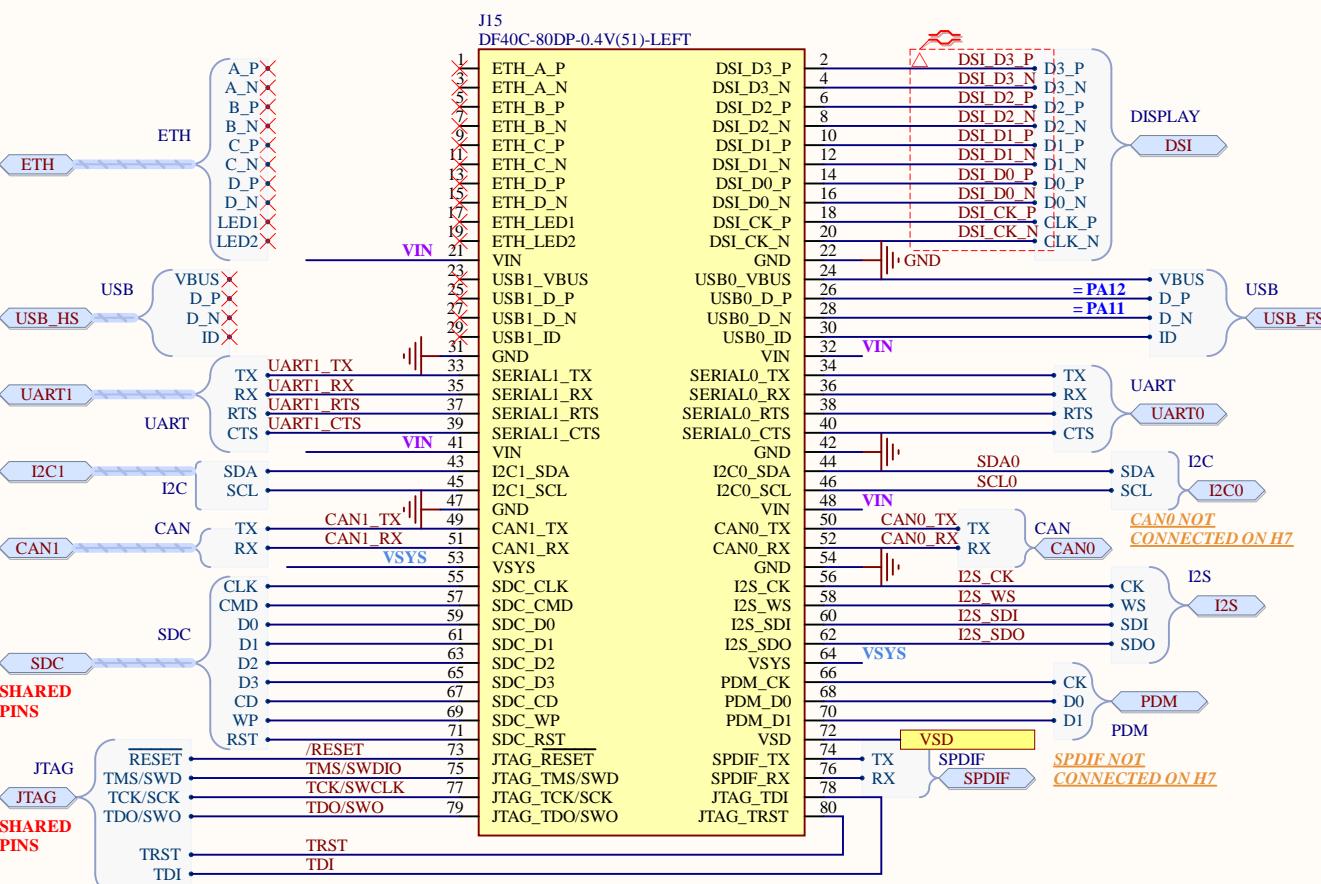
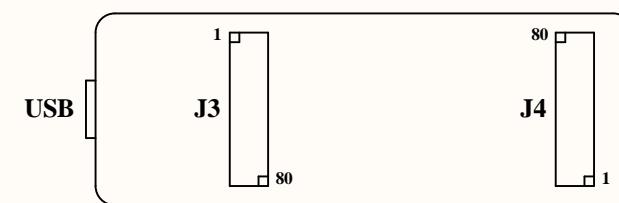


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Title: SD		
ID:	Revision:	
Date: 3/2/2021	Time: 2:30:35 PM	Sheet 5 of 6
File: SD_CONNECTOR.SchDoc	Author: *	RevAuthor:

Board side view:**Board BOTTOM view:****SHARED PINS TABLE**

NET	BUS 1	BUS 2
JTAG	SDC2	
CAM	I2C4	
CAM	I2C4	
CAM	SAI2A	
CAM	SAI2A	
CAM	SAI2A	
CAM	ANALOG	
CAM	ANALOG	
CAM	SPI2	
ANALOG	SPI2	
ANALOG	SPI2	

POWER NETS TABLE

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Title: **HD Connectors male**ID: **ASX00027**Revision: **V0.1**Date: **3/2/2021** Time: **2:30:36 PM**Sheet **6** of **6**File: **HDConn_MALE.SchDoc**Author: **S. Navaretti**

RevAuthor: