LPCXpresso55SXX.PrjPcb

Elaborated by: Eduardo Teofilo

Checked by: José Ogando

Revision: A2

Last revision date: 18/06/2019

Change Log

25-04-2018	- Power supply of Link2 circuitry replaced from 3.3v to 2.5v - Package of LPC5500 changed from BGA to HLQFP
08-05-2018	- Added 33Ohms Resistor for DP and DM pins of USB0 FS - Added TestPoints for U2 debug signals - Tied P0_5 to P7 Pin7 - SD0 Pull-ups tied to VDD_SD - Added Pull-up for P0_5-ISP1 - Added notes and descriptions - Added jumper to P25 - Added connections to P19 - Added debug probe for U2 - Removed P22 Debug probe for U1 - Changed Y3 form 12MHz to 16Mhz
16-05-2018	- Removed external battery support - Added Support for 1.1v external power supply
21-05-2018	- Exchange of functions between PIO1_5 and PIO1_7
25-05-2018	-Changed function of PIO0_15, PIO0_18, PIO0_22, PIO0_28 and PIO1_13 -Added Cpacitors C97, C100
31-05-2018	-Fixed values of R82, R86 -Changed PN of U8, U9, U10 -Removed U4 -Changed P14 2X1 to 2X2 header
1-06-2018	-Removed U17
6-06-2018	- Added P28
29-08-2018	- Changed U10 XC6504A251MR-G to XC6223H251MR-G
05-11-2018	-Added P29, R85
05-11-2018	-Added C2 -L10 Replaced from CBC2518T4R7M to TDK MLZ2012M4R7HT000
15-11-2018	-R120 and R121 were changed from 100K to 2.2k -Fix SDA connections -Updated Revision to A1
29-05-2019	-Added LPC55S69 and LPC55S28 variants -Changed J11, J12, R73, R114, R128 to DNI -Restore P20 to variants -Changed R74 from 100K to 330K -Added variants to silk screen -Updated Revision to A2

Bridge Accelerometer
BRIDGE-ACCELEROMETER.SchDoc

USB Power
LPCXpresso55SXX_POWER-USB.SchDoc

Link2 Power
LINK2_LPC4322-USB-BRPWR.SchDoc

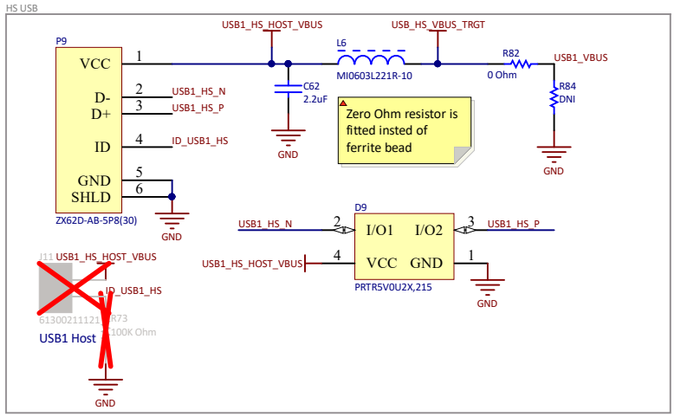
Codec
CODEC.SchDoc

MCU
LPCXpresso55SXX_MCU.SchDoc

Link2 Debug
LINK2_LPC4322 PERIPH-DEBUG.SchDoc

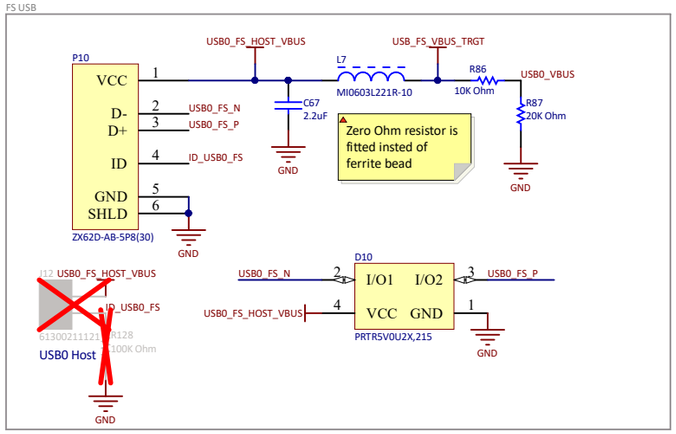
Connectors
SHIELD-uSD-MIKROE-PMOD.SchDoc

HS USB

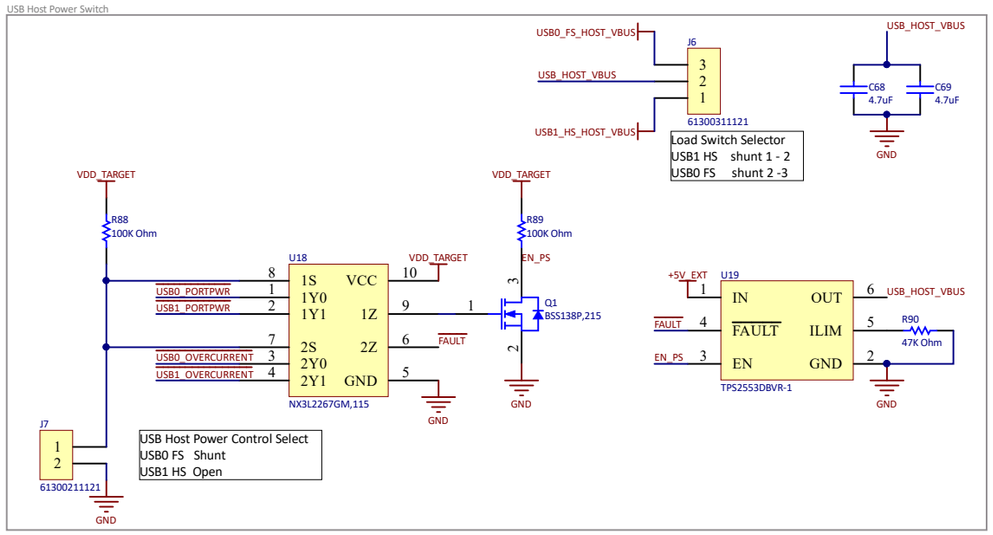


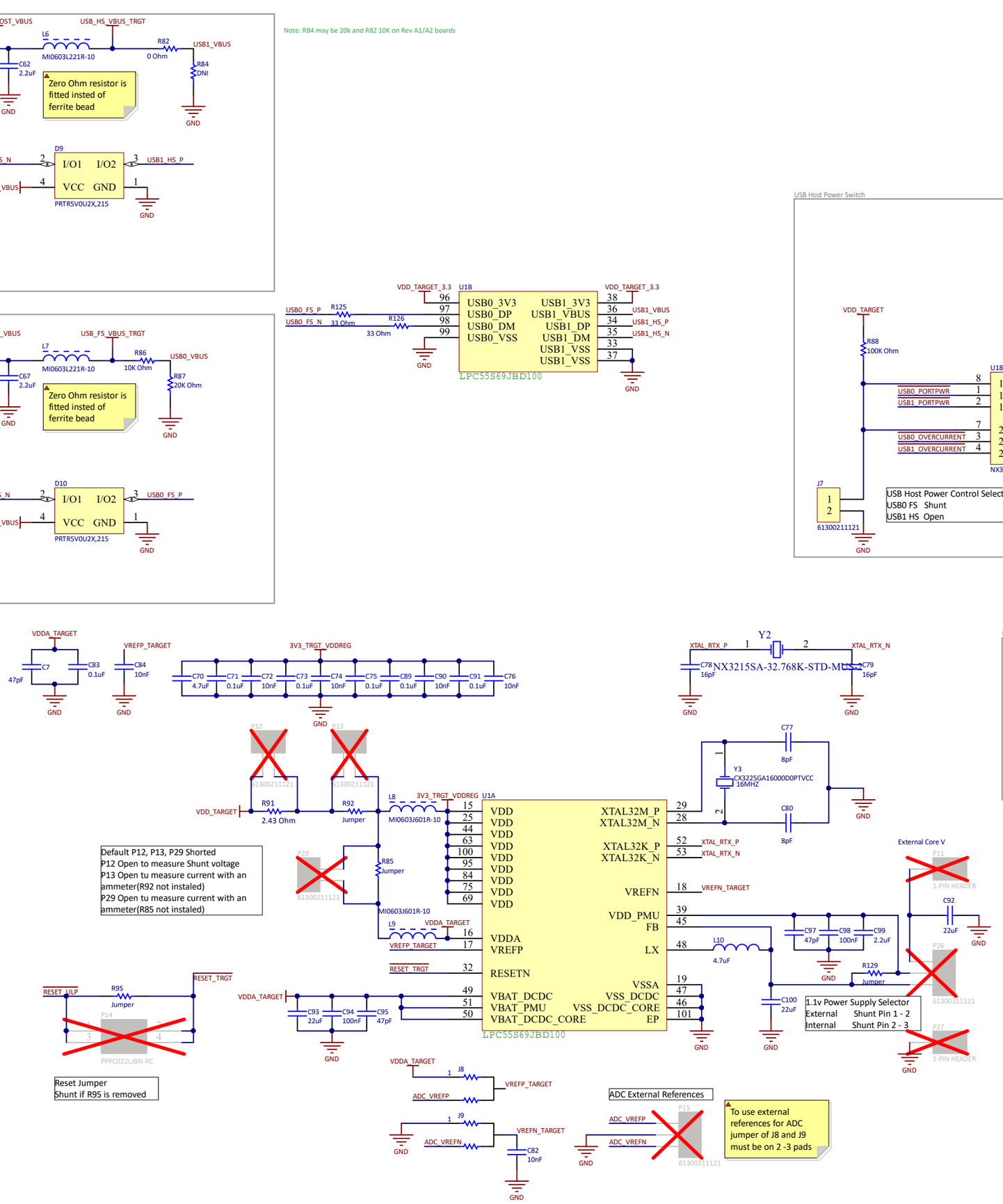
Note: R84 may be 20k and R82 10K on Rev A1/A2 boards

FS USB

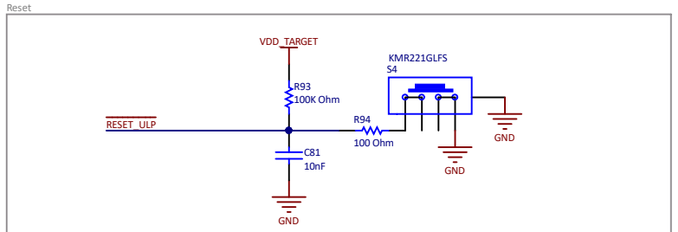


USB Host Power Switch





Reset



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Sheet: LPCXpresso55SXX_POWER-USB.SchDoc	
Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 2 of 8

code
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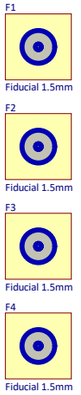

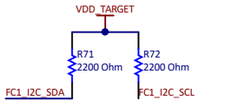

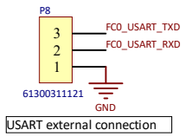

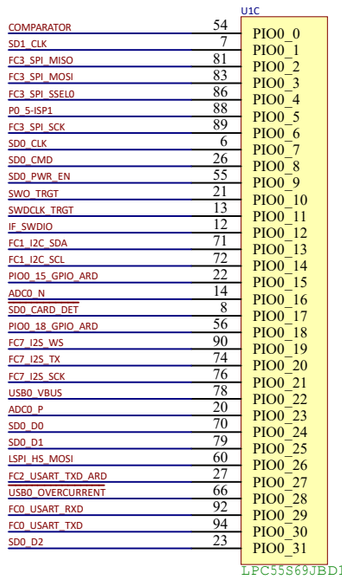

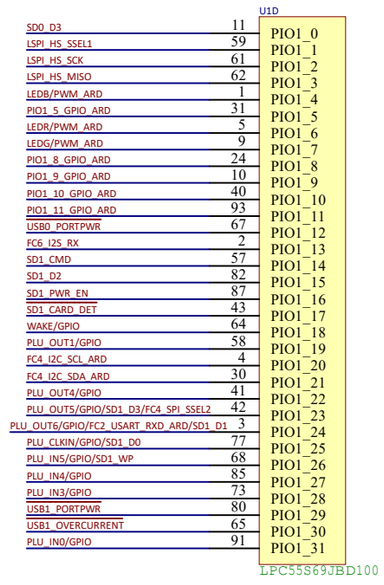

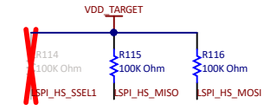

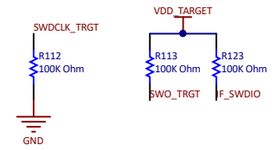

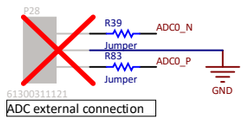

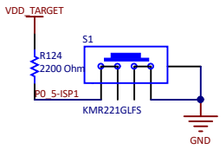

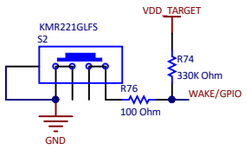

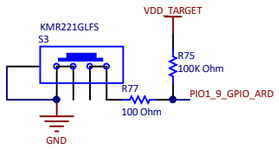

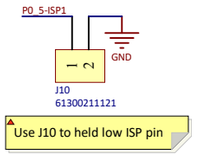

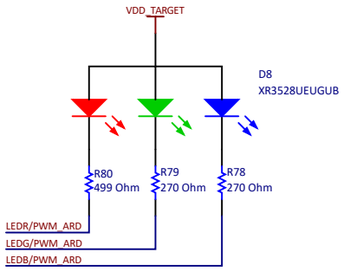

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Sheet: LPCXpresso55SXX_MCU.SchDoc	
Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 3 of 8

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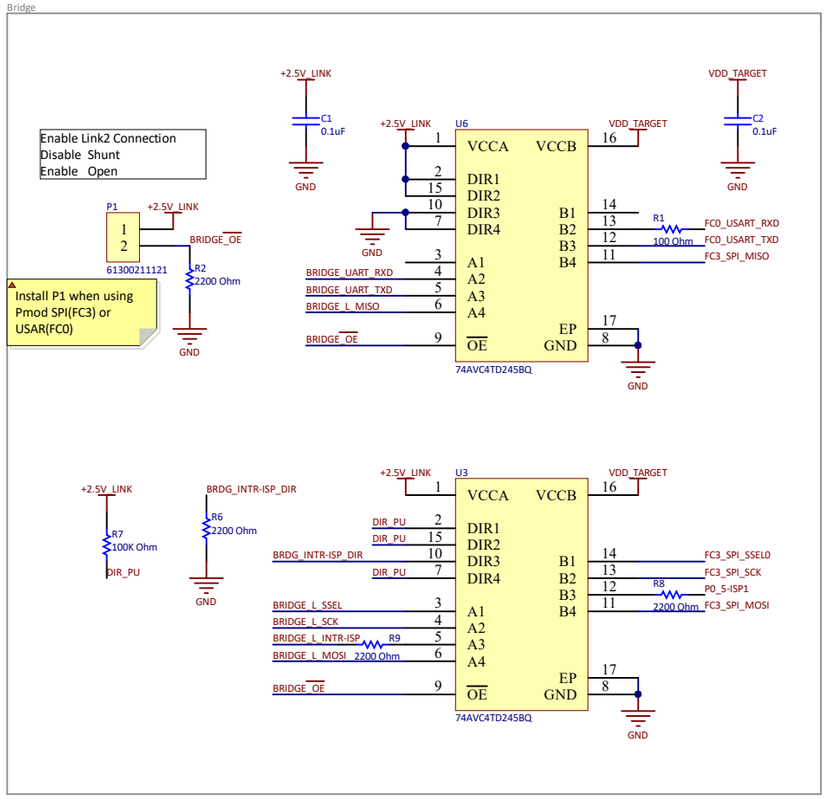
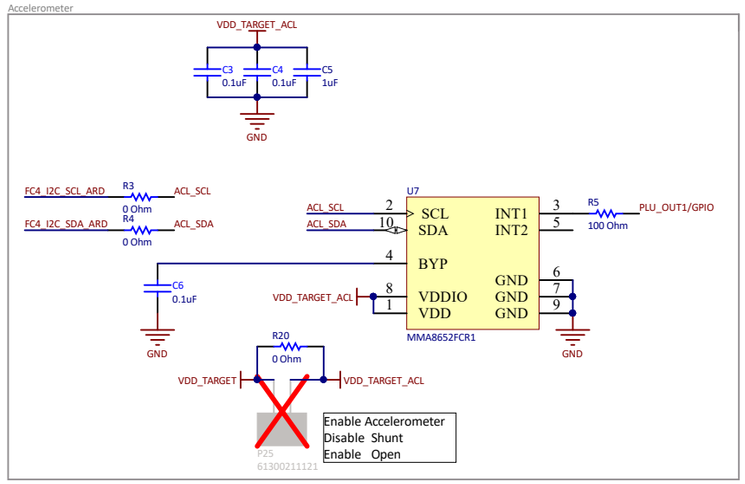
Bridge



Accelerometer



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Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 4 of 8

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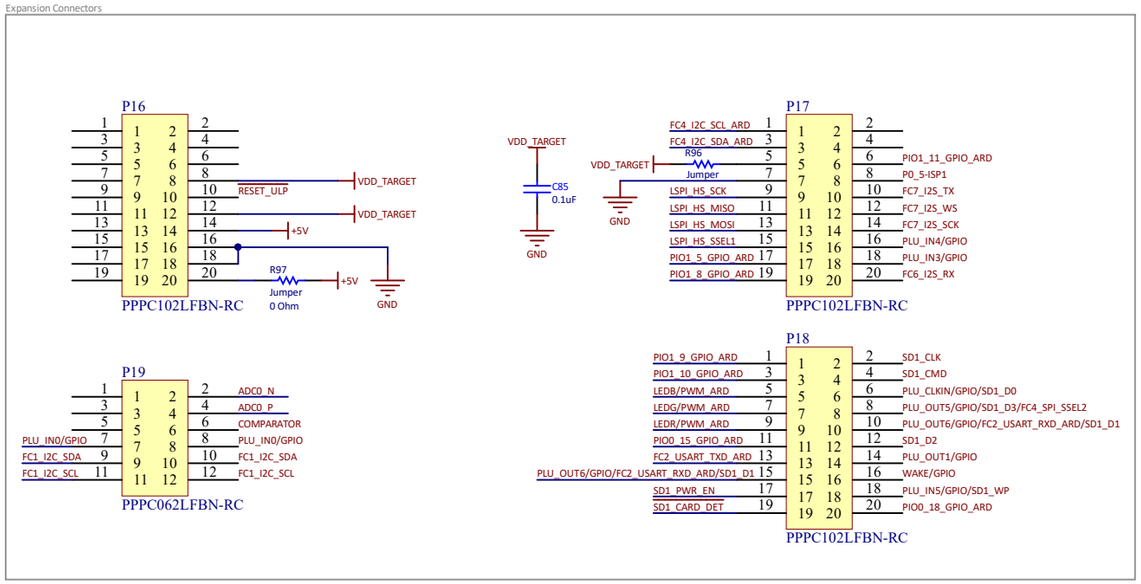

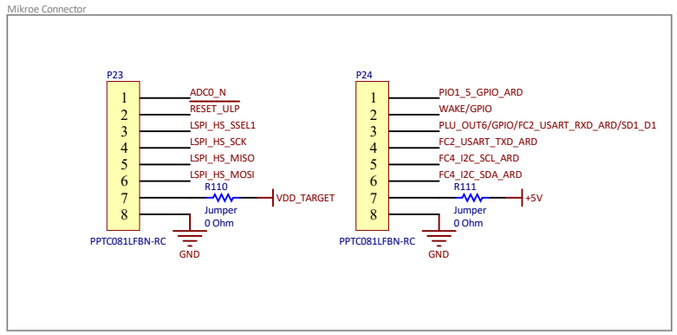

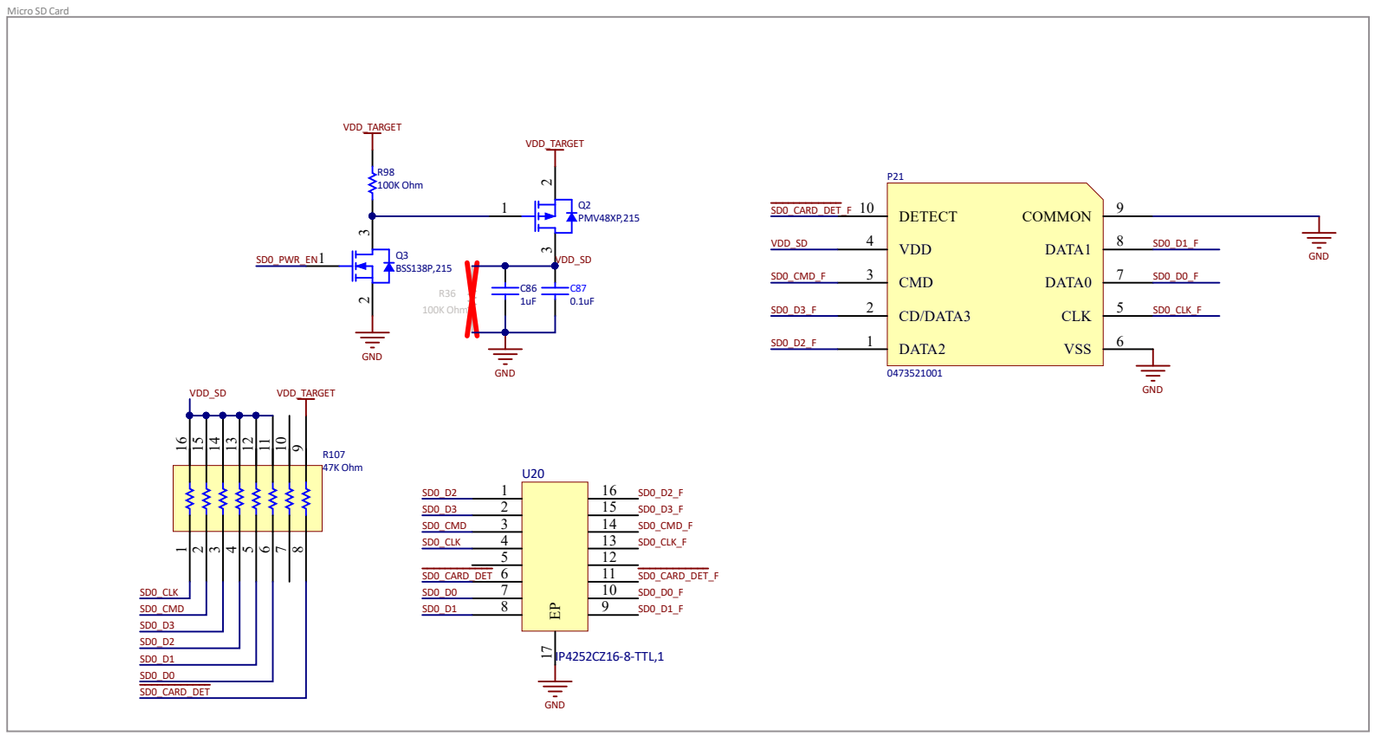

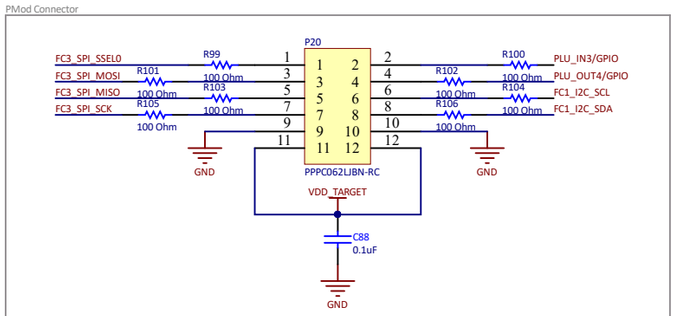

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Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 5 of 8

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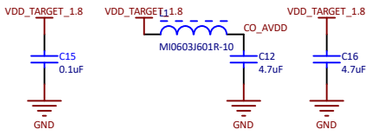

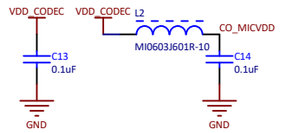

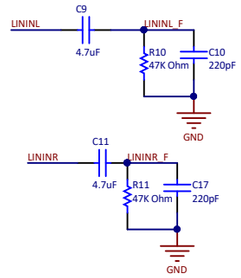

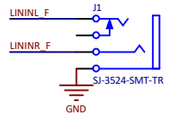

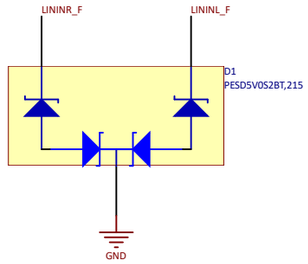

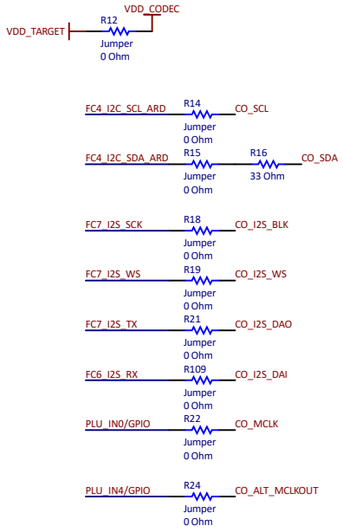

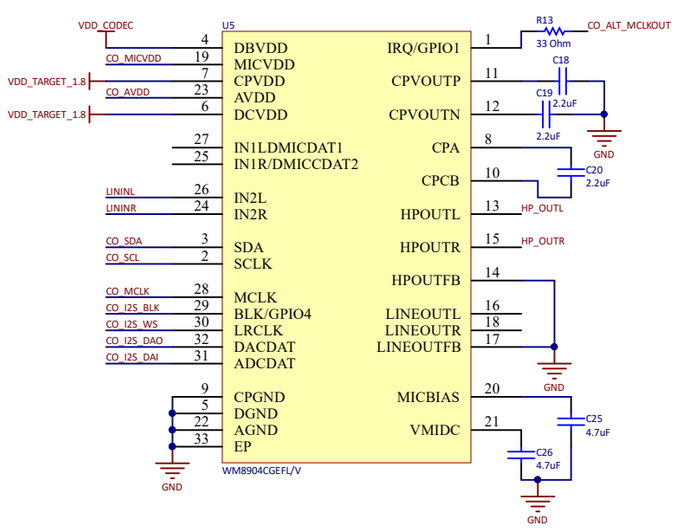

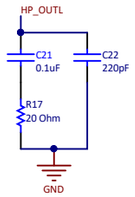

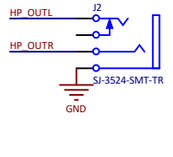

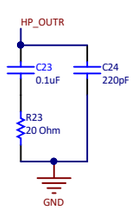

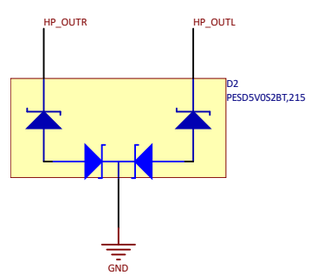

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Sheet: CODEC.SchDoc	
Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 6 of 8

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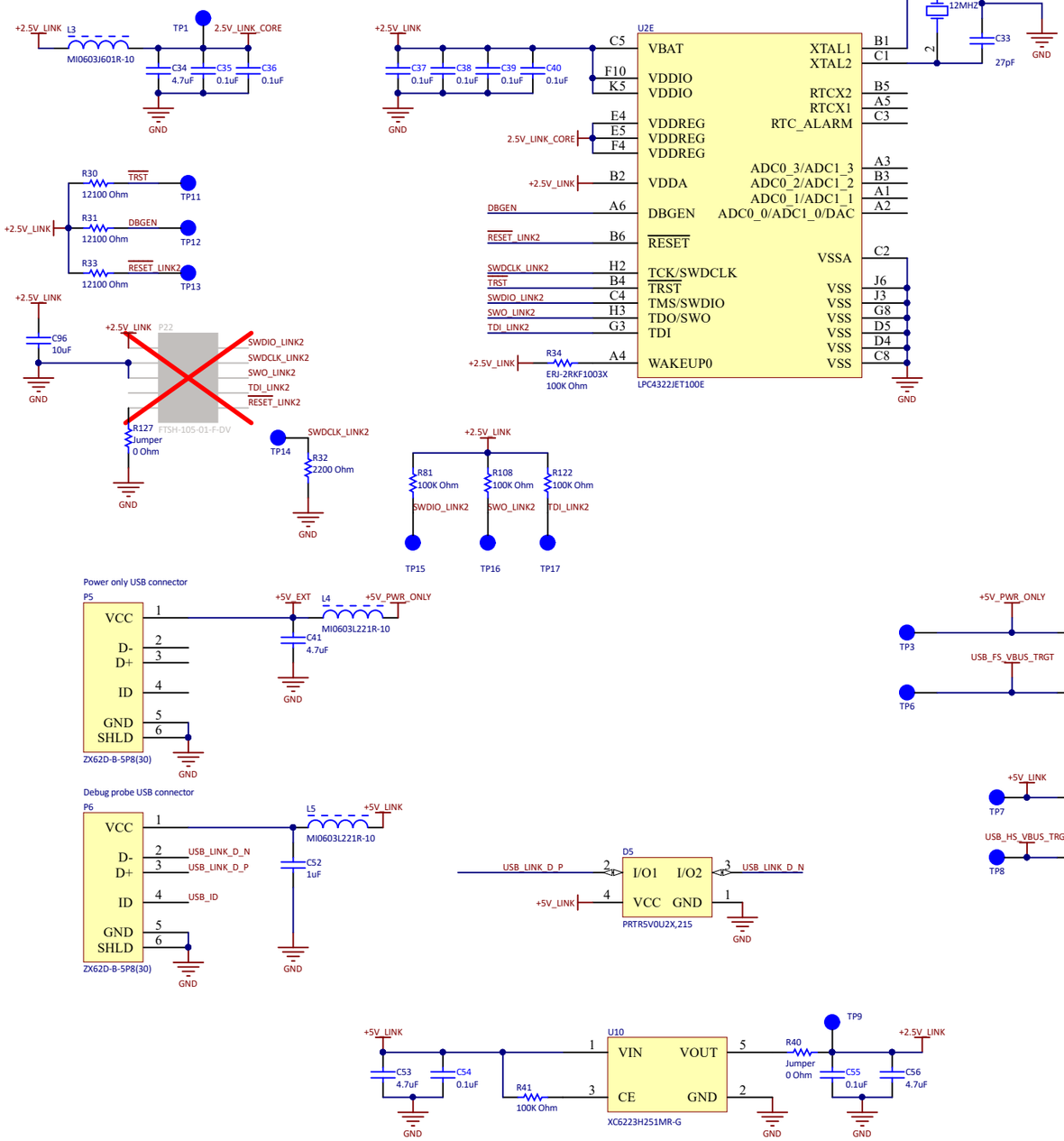

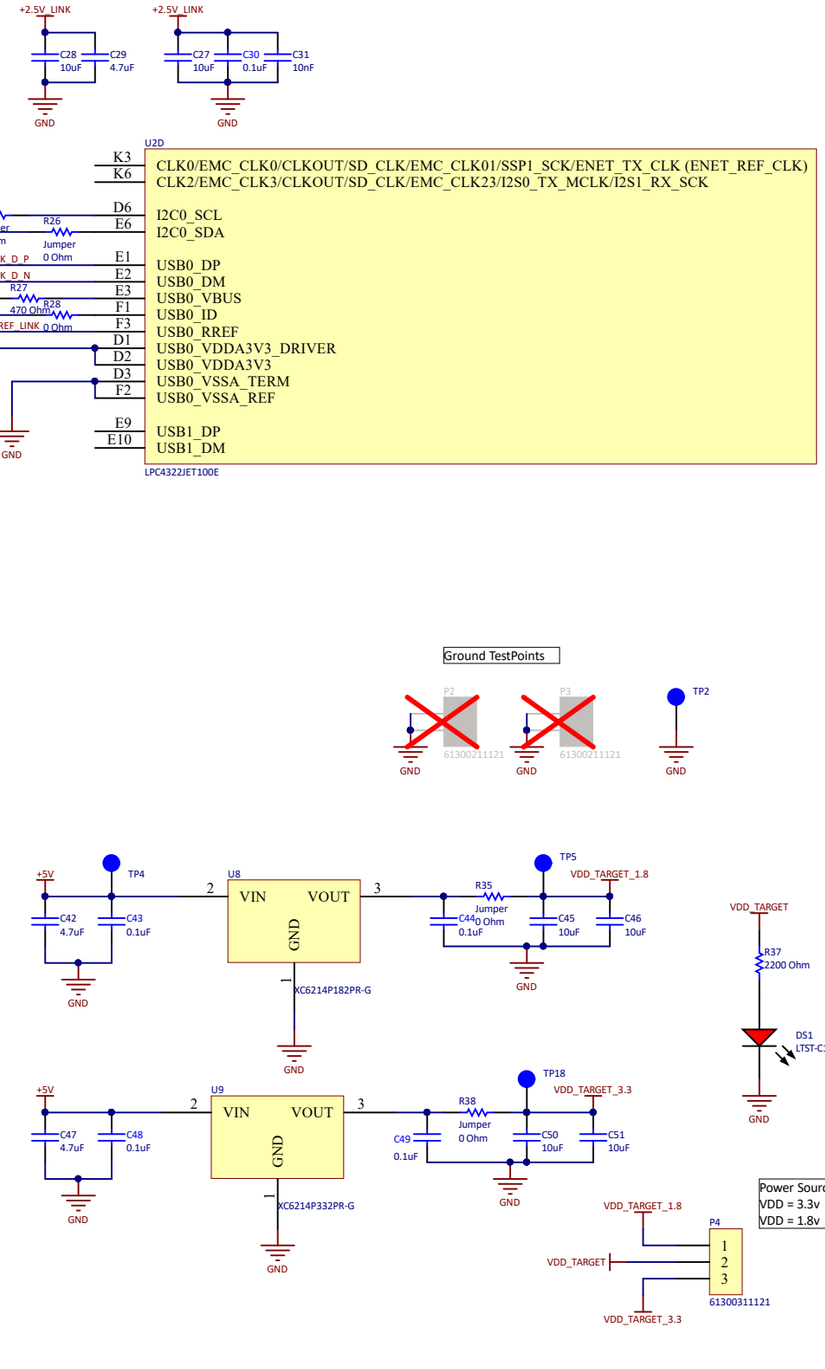

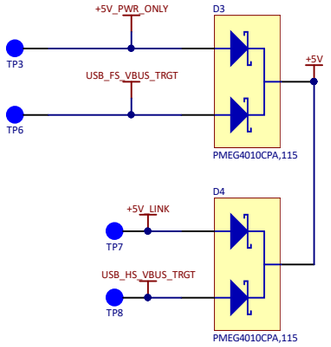

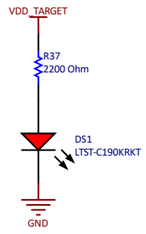

Power Source Selector
VDD = 3.3v Short 2 - 3
VDD = 1.8v Short 1 - 2

Project: LPCXpresso55SXX.PrjPcb	
Sheet: LINK2_LPC4322-USB-BRPWR.SchDoc	
Revision: A2	Engineer: Eduardo Teofilo
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Size: A3	Sheet number: 7 of 8

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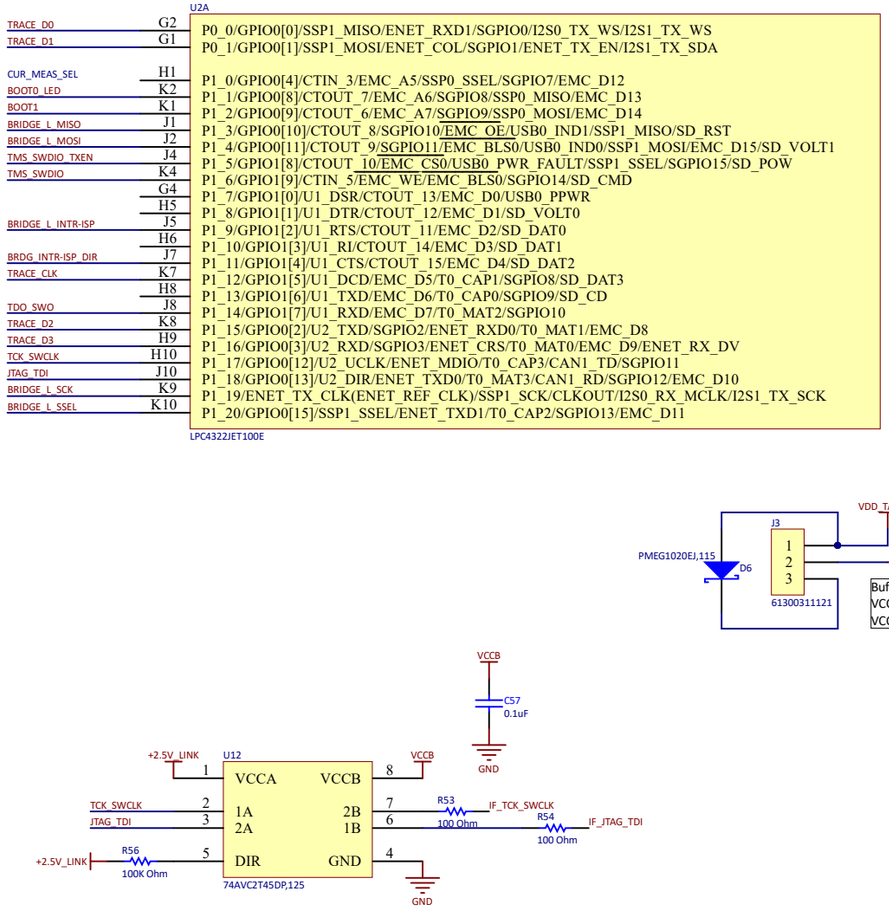

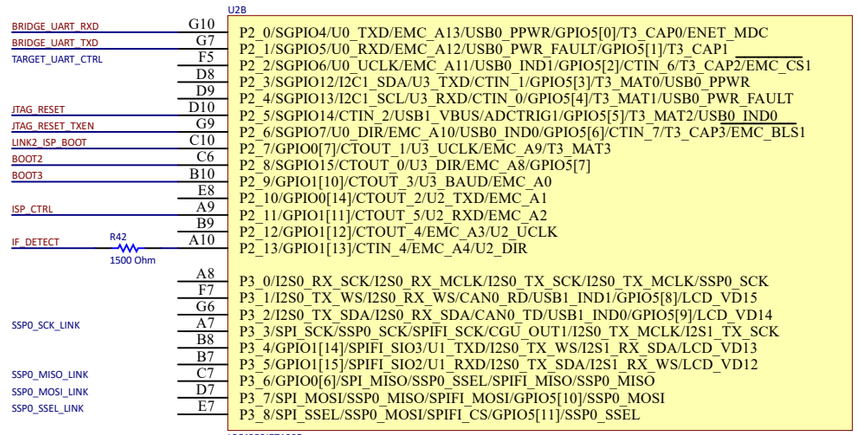

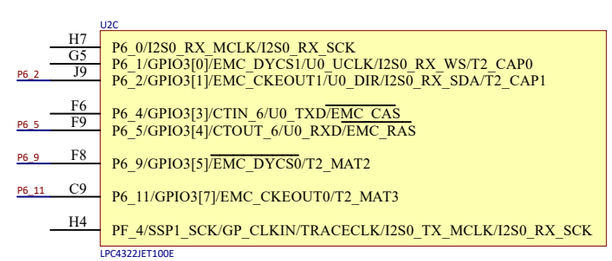

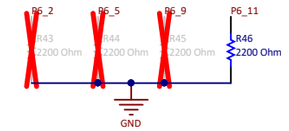

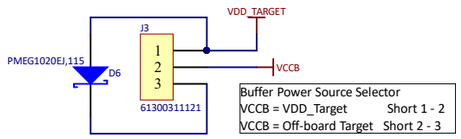

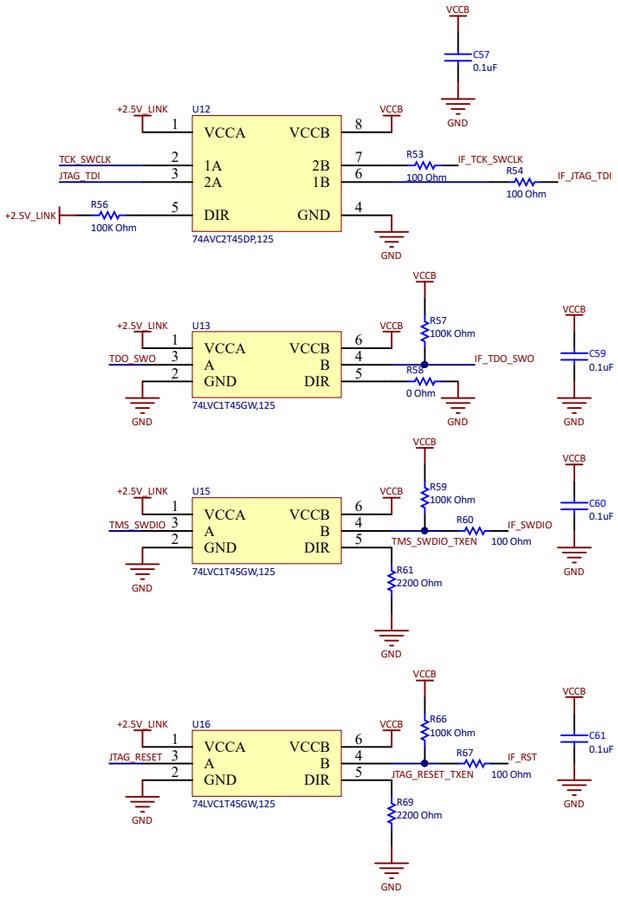

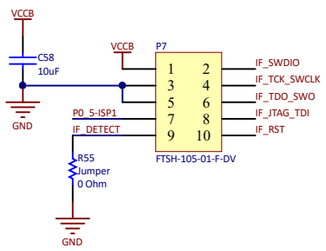

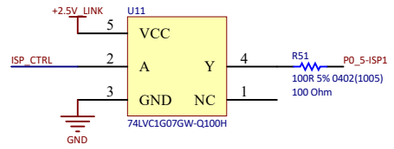

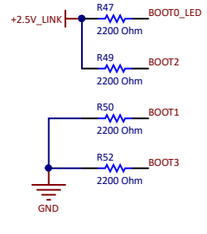

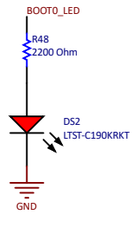

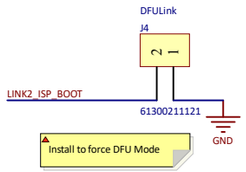

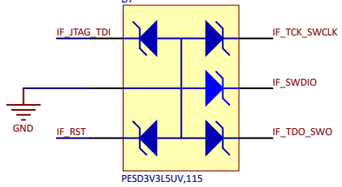

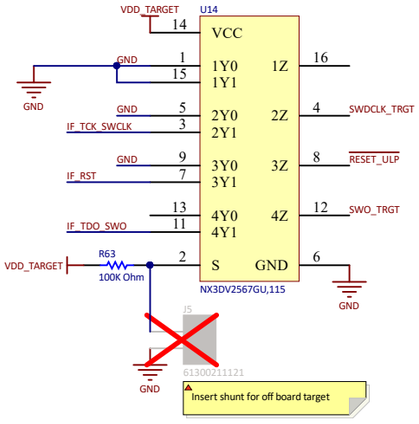

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Sheet: LINK2_LPC4322 PERIPH-DEBUG.SchDoc	
Revision: A2	Engineer: Eduardo Teofilo
Date: 18/06/2019	Checked by: José Ogando
Size: A3	Sheet number: 8 of 8

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