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PBA-C-08

phyBOARD REGOR-AM335

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PHYTEC

PHYTEC Messtechnik GmbH
Robert-Koch-Strasse 39
D-55129 Mainz

Project:

PBA-C-08

Department : F&E

Author: T. Jacobus

27.03.2015

PCB-No.: 1447.0

Revision : 001

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	Project Overview					Confidential information and property of PHYTEC Messtechnik GmbH. No part of these materials may be copied, used or disclosed except with written permission of PHYTEC Messtechnik GmbH.
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Operating Ratings
Operating Votage: 5V +/- 5%

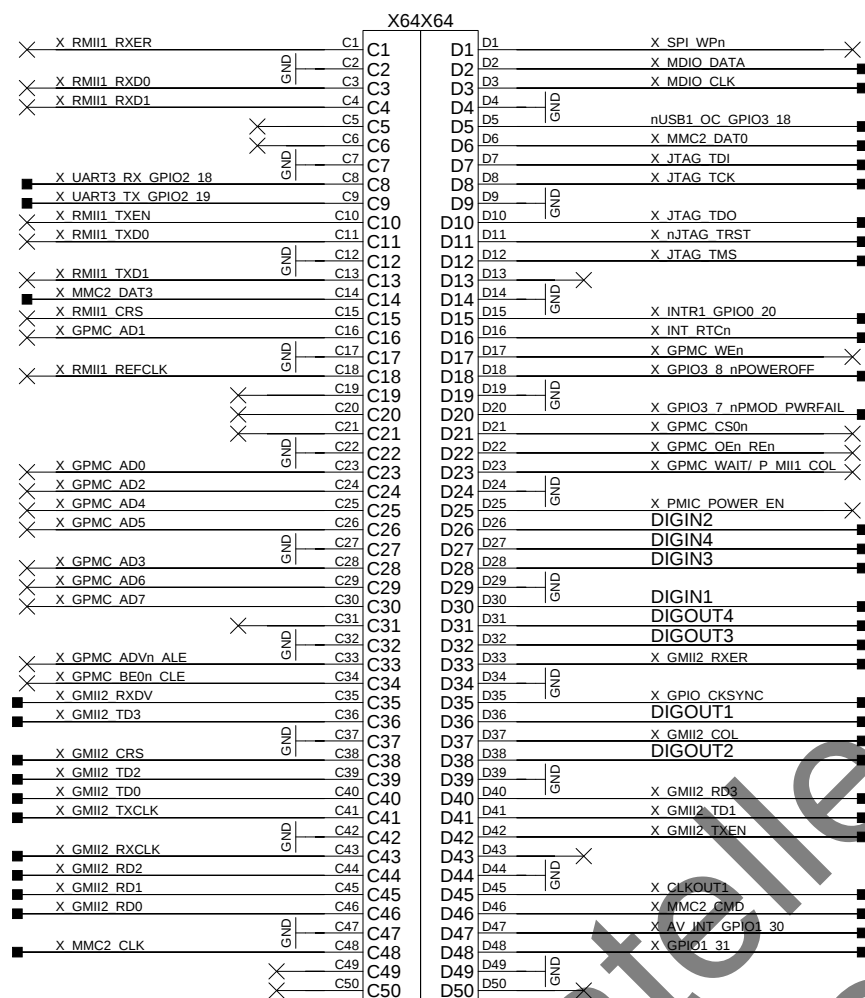
Size: 100mm x 72mm x 40mm

	EUROPE	NORTH AMERIKA
Address:	PHYTEC Messtechnik GmbH Robert-Koch-Str. 39 D-55129 Mainz GERMANY	PHYTEC America LLC 203 Parfitt Way SW, Suite G100 Bainbridge Island, WA 98110 USA
Ordering Information:	+49 (6131) 9221-32 sales@phytec.de	1(800) 278-9913 sales@phytec.com
Technical Support:	+49 (6131) 9221-31 support@phytec.de	1(800) 278-9913 support@phytec.com
Fax:	+49 (6131) 9221-33	1(206) 780-9135
Web Site:	http://www.phytec.de http://www.phytec.eu	http://www.phytec.com

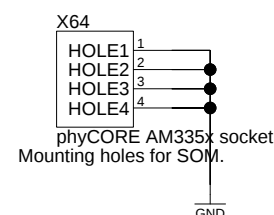
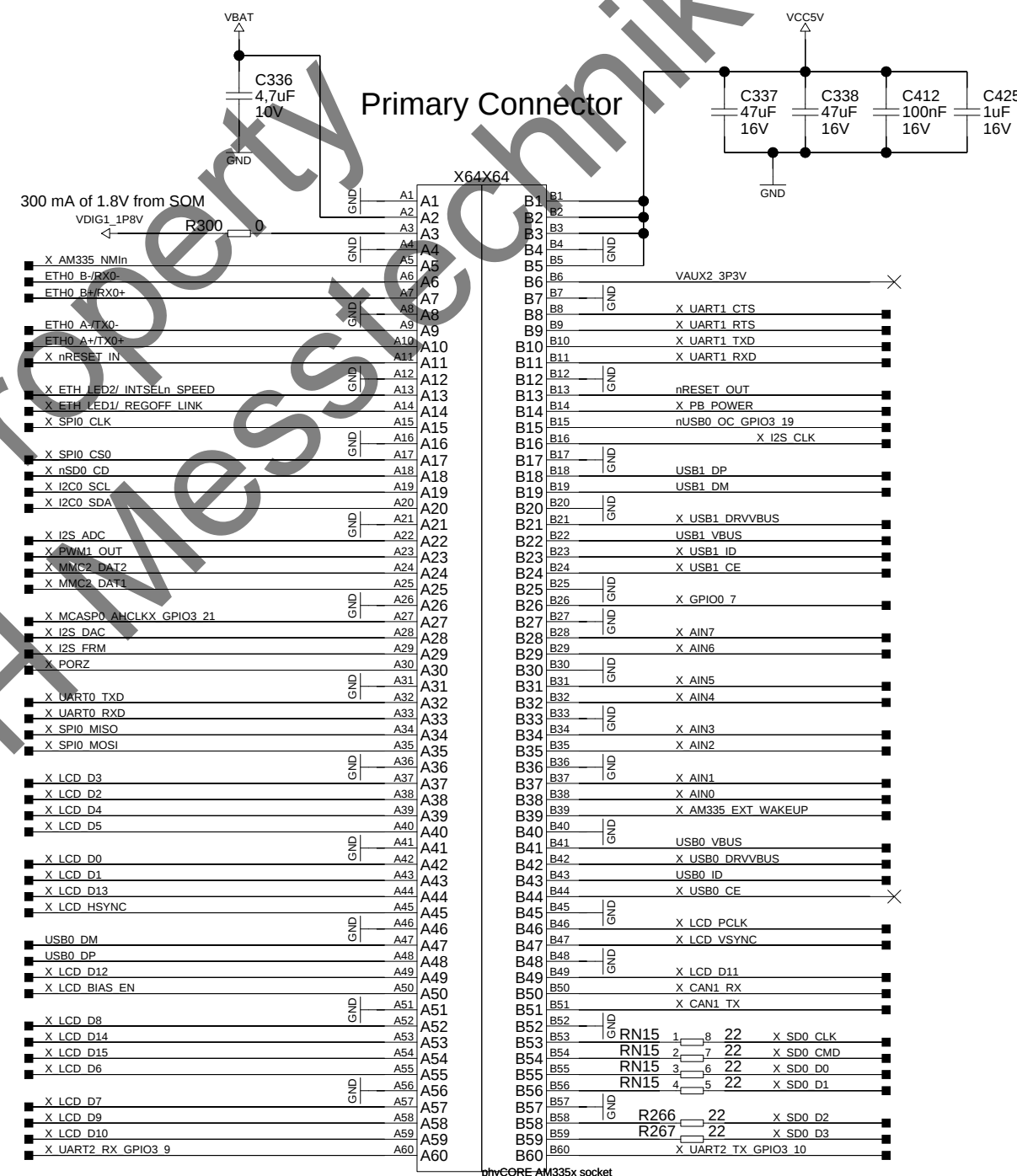
phyCORE AM335x connectors

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Optional Connector



Primary Connector



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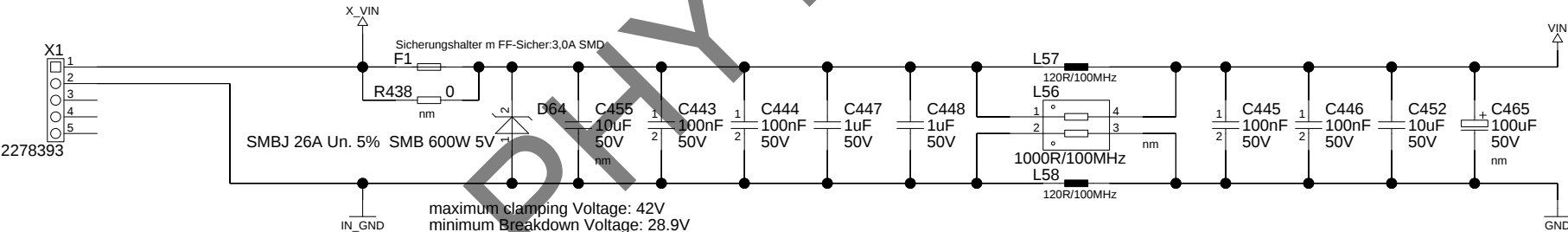
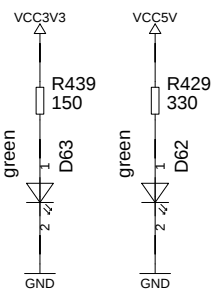
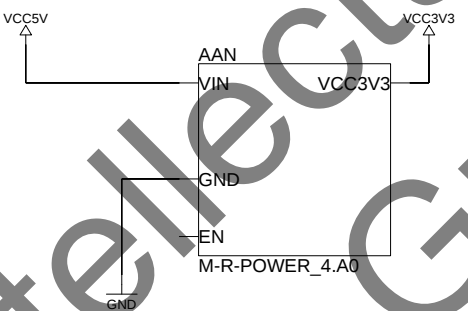
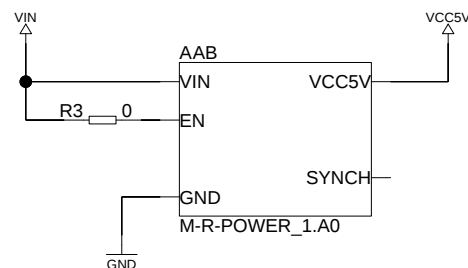
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5V/3V3 Regulator 3A/1A

Operating Votage: 12-24V +/- 10%

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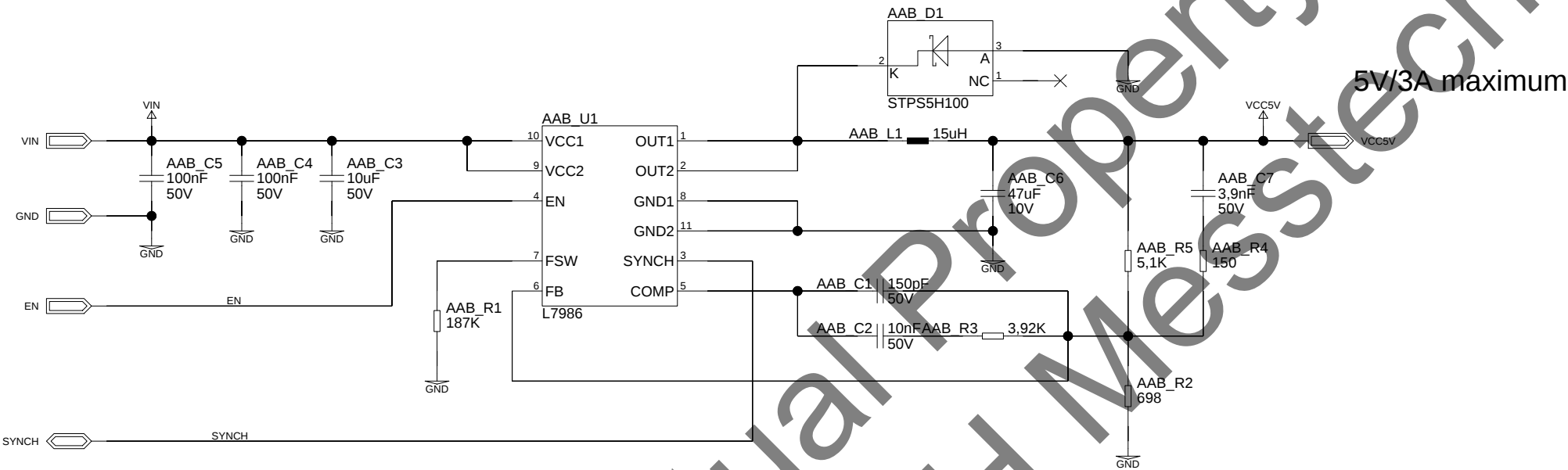


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5V Regulator 3A
Operating Votage: 12-24V +/- 10%

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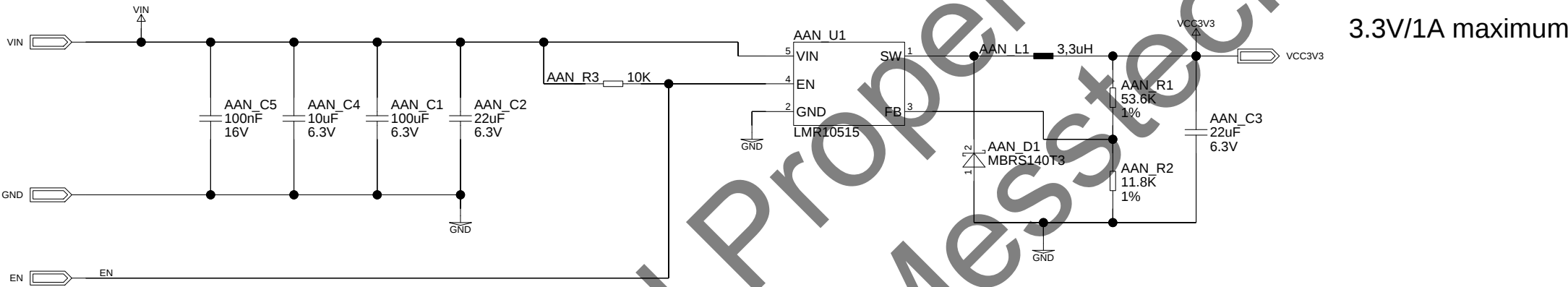
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Regulator 3V3/1A

Operating Votage: 5V +/- 10%

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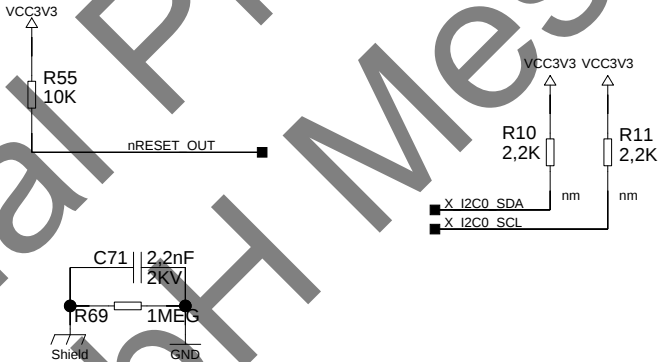


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Power

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Z3
PHYTEC
Logo

Z1
DMC
DMC
Z2
DMC
DMC

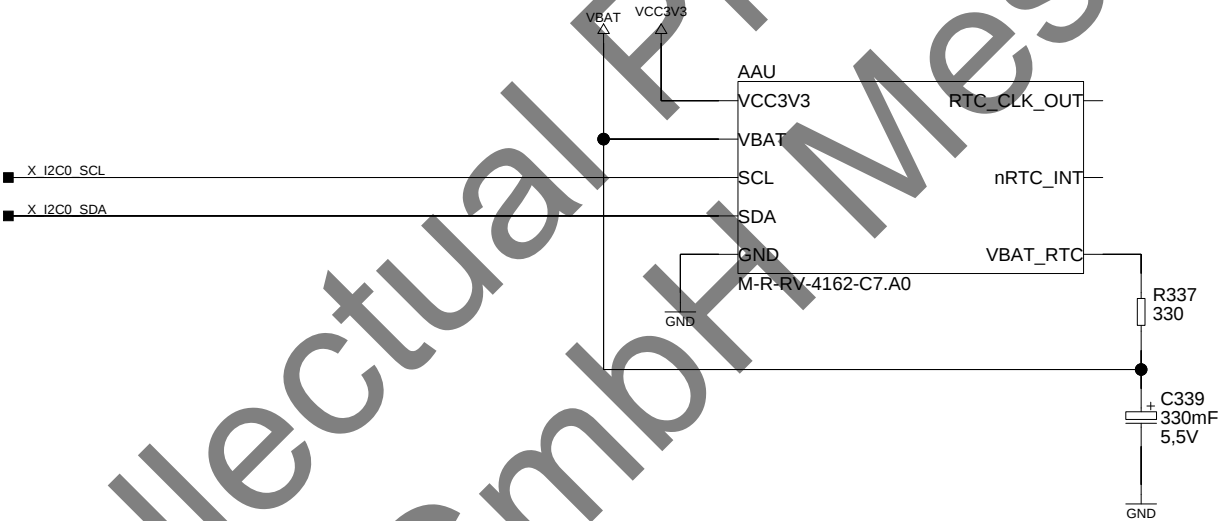
Z4
Fiducial-Square
Z5
Fiducial-Round

Z6
Fiducial-Square
Z7
Fiducial-Round

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Backup

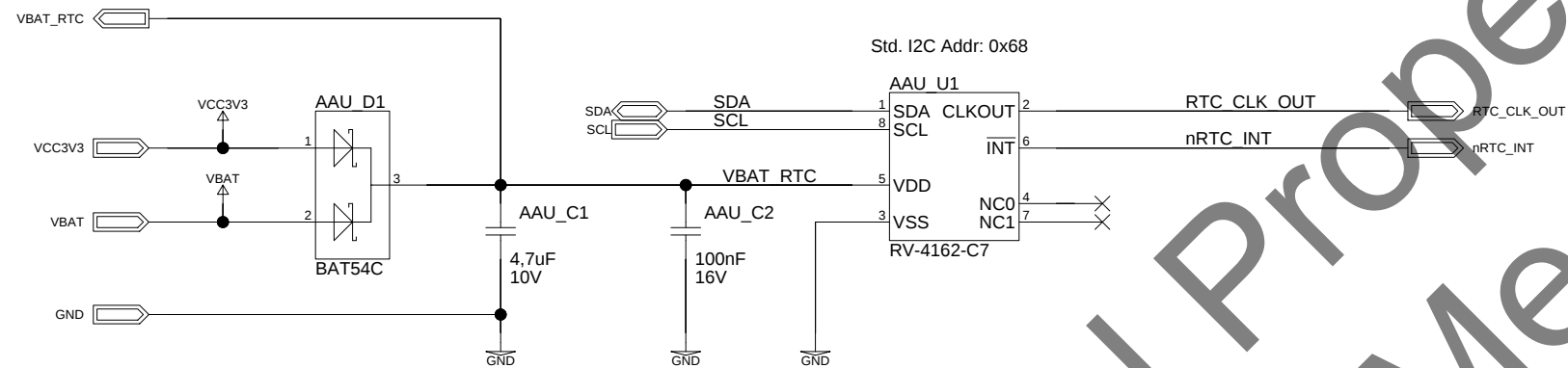
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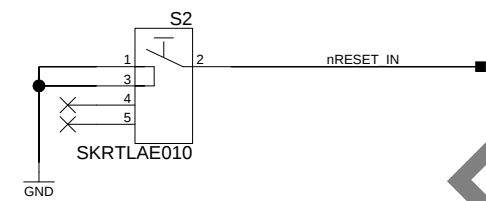


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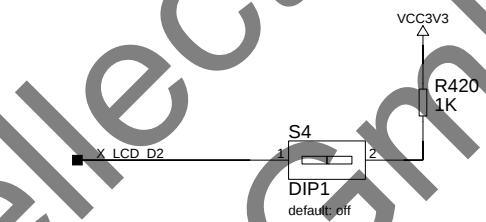
Button/Switch

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Reset Button



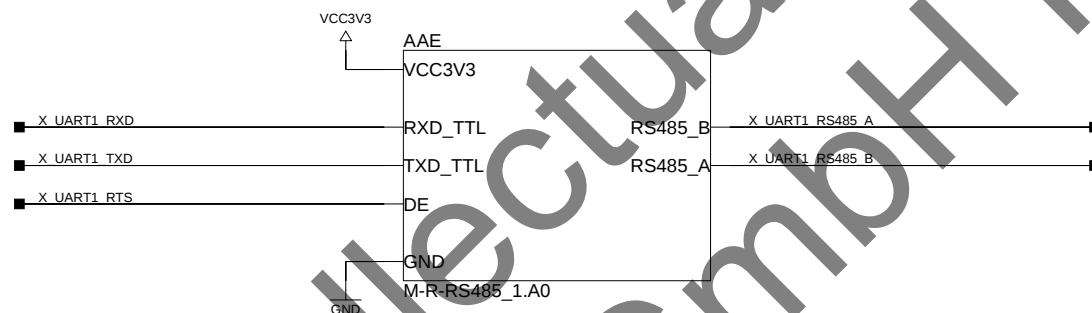
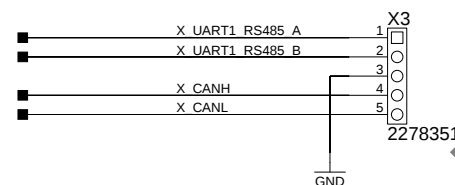
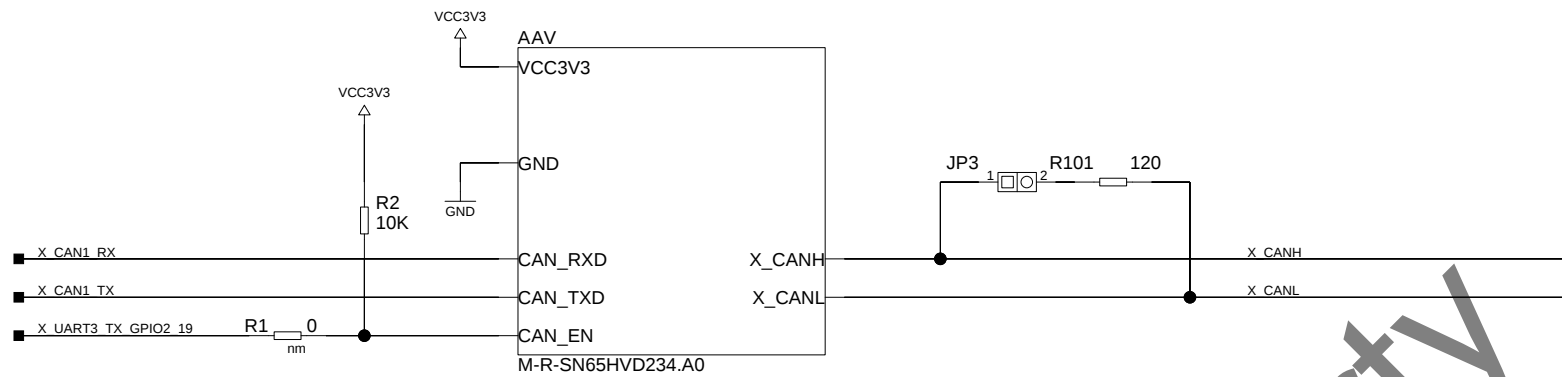
Boot Switch



Switch between Boot mode 1 and Boot mode 2:
Boot mode 1 (S4=OFF): SYSBOOT[4:0]=10011b: NAND, NANDI2C, MMC0, UART
Boot mode 2 (S4=ON) : SYSBOOT[4:0]=10111b: MMC0, SPI0, UART0, USB

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CAN



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27.03.2015

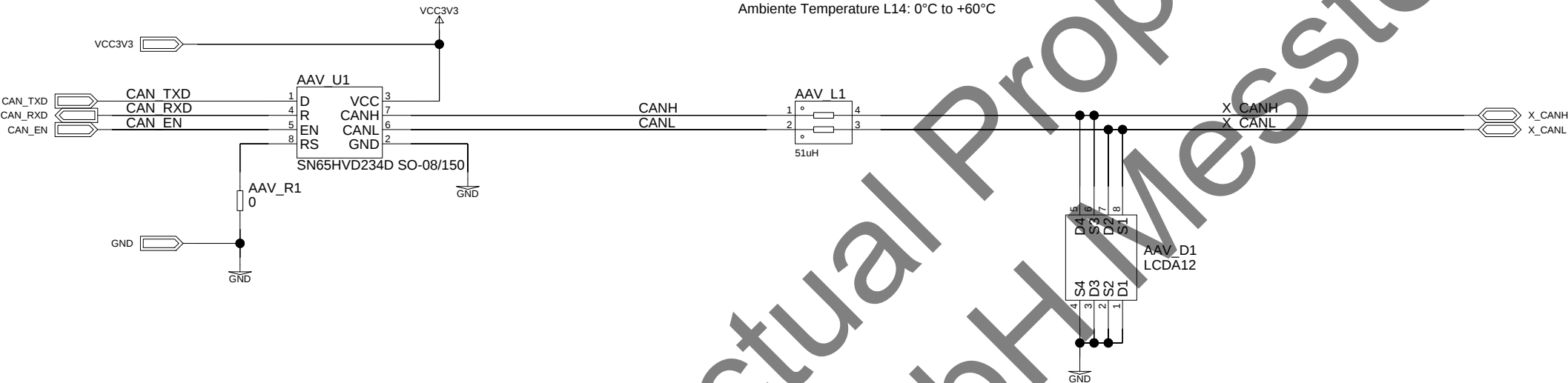
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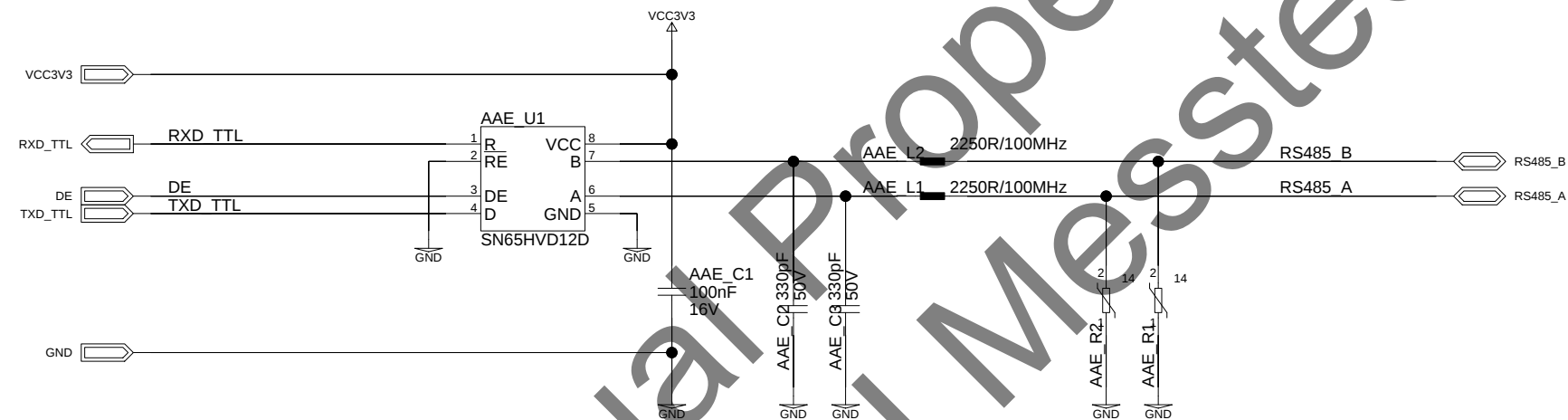
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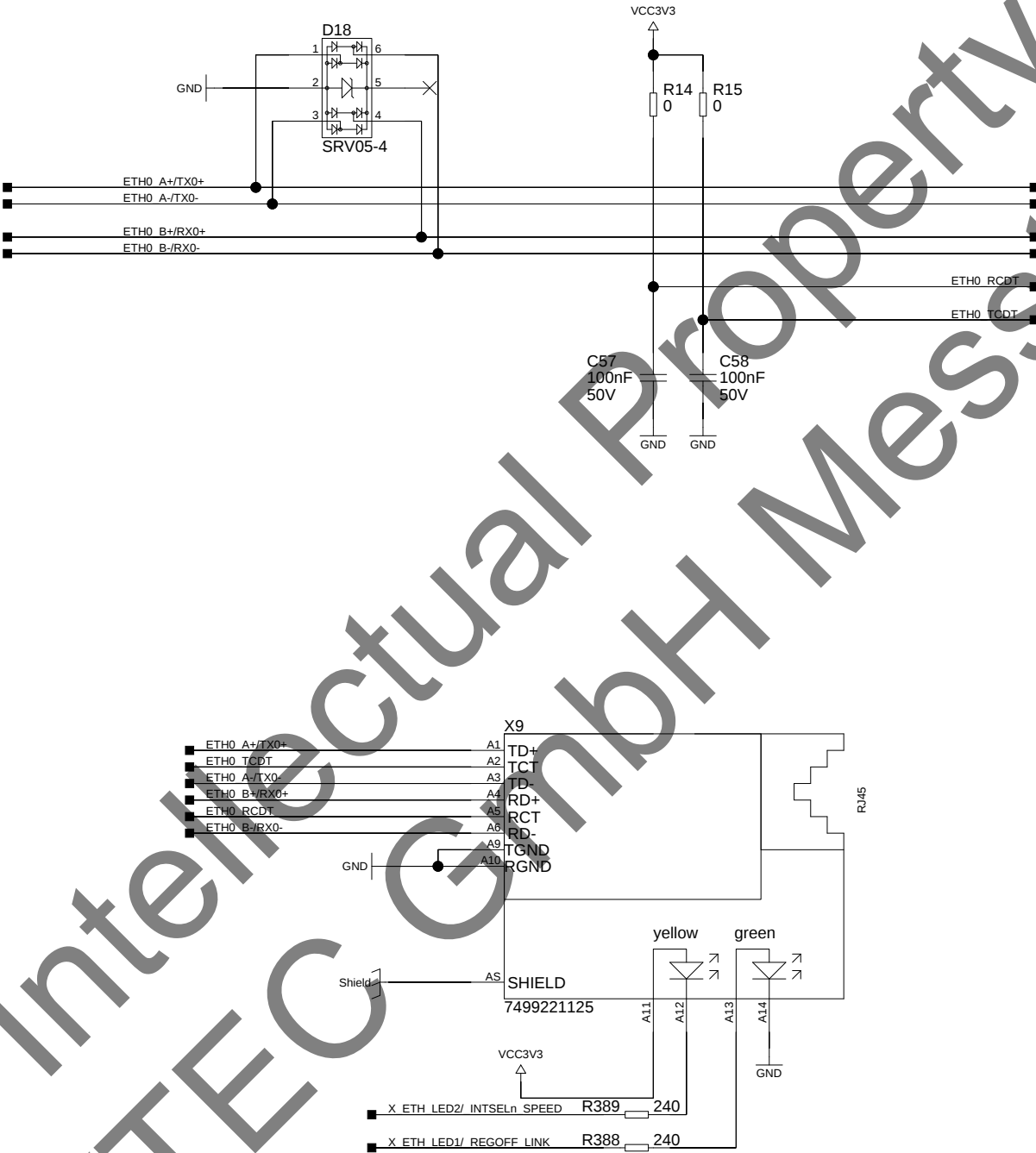
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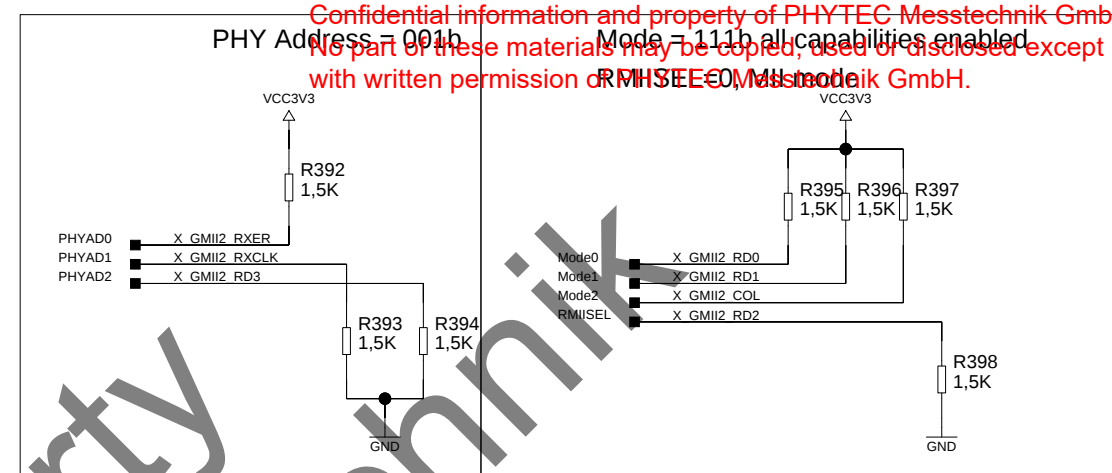
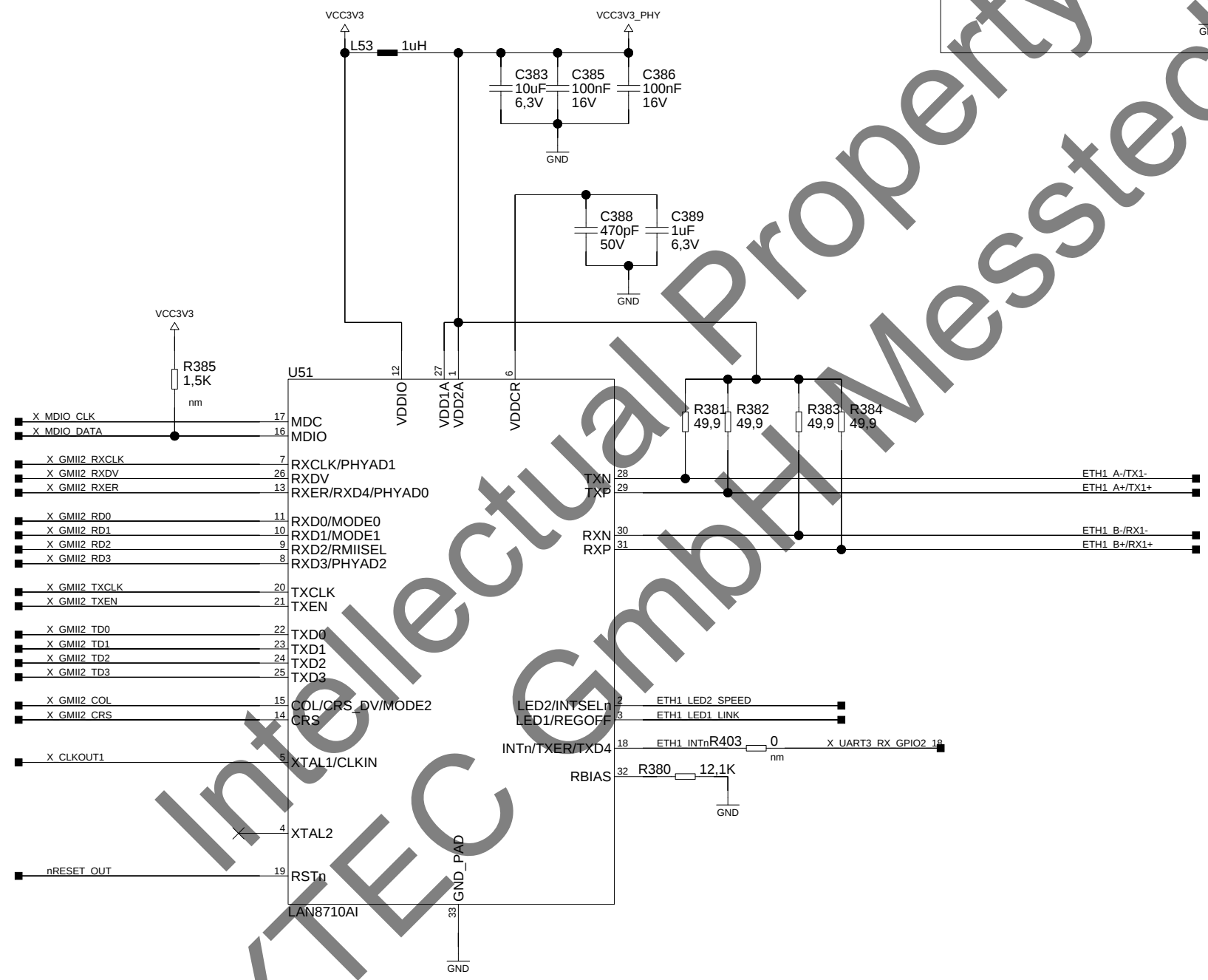
Ethernet0 10/100Mbit

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ETH1 Phy

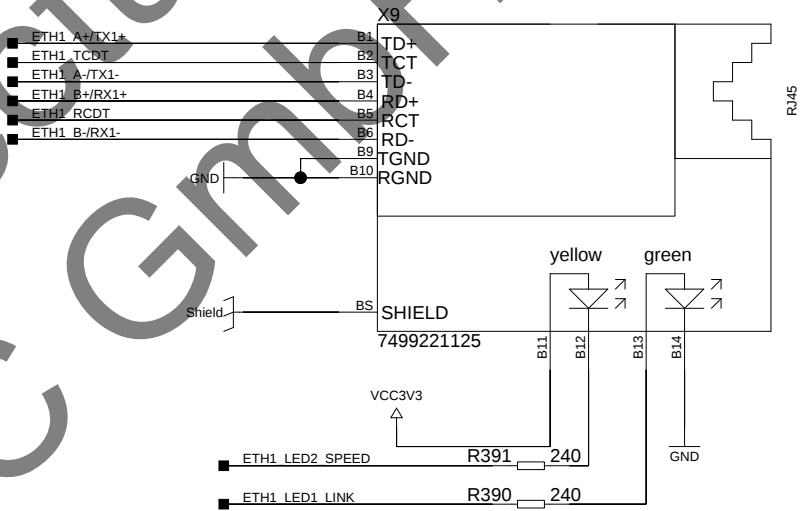
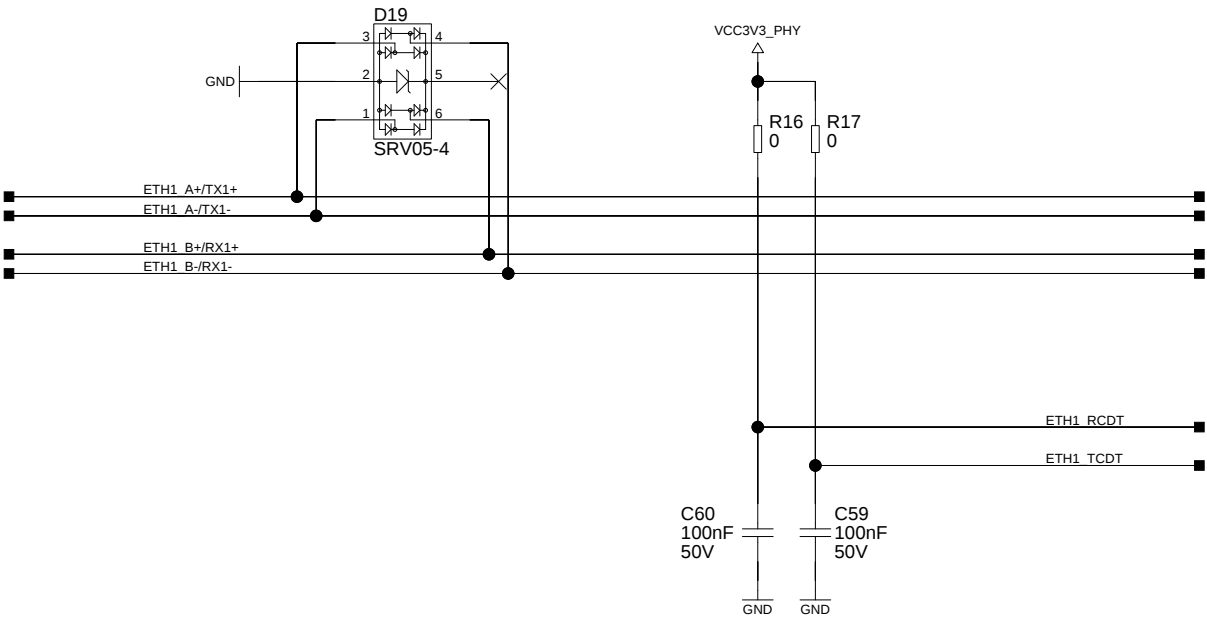


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Ethernet1 10/100Mbit

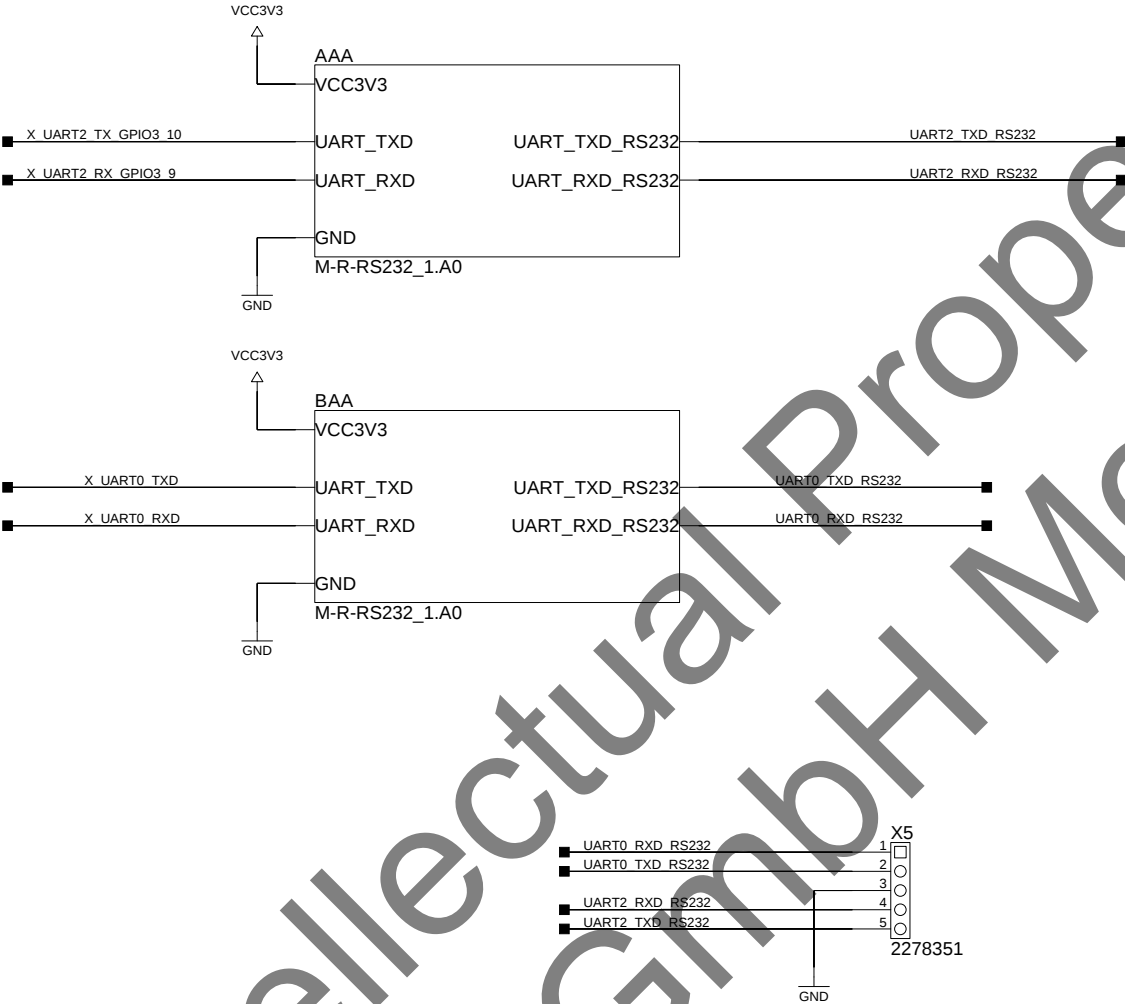
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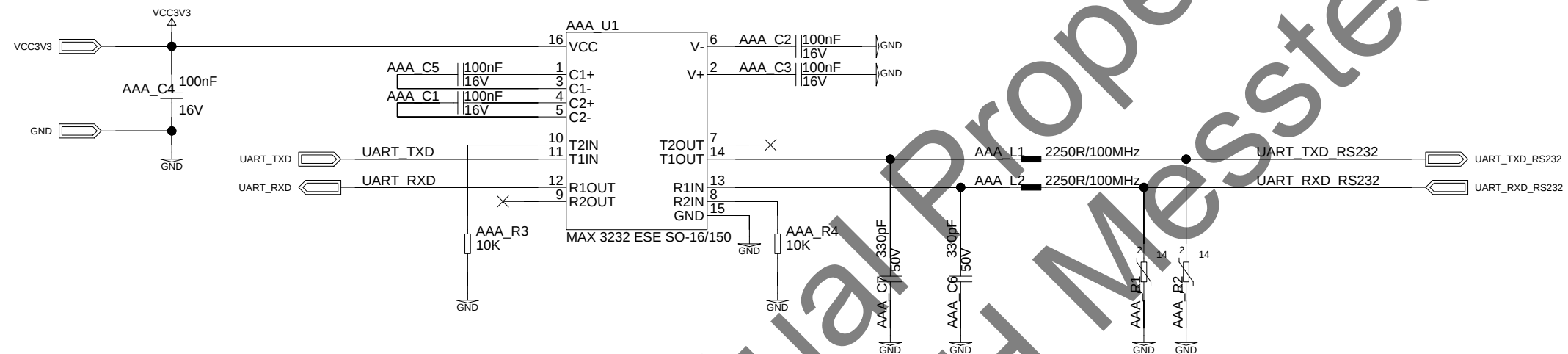
UART1_RS232

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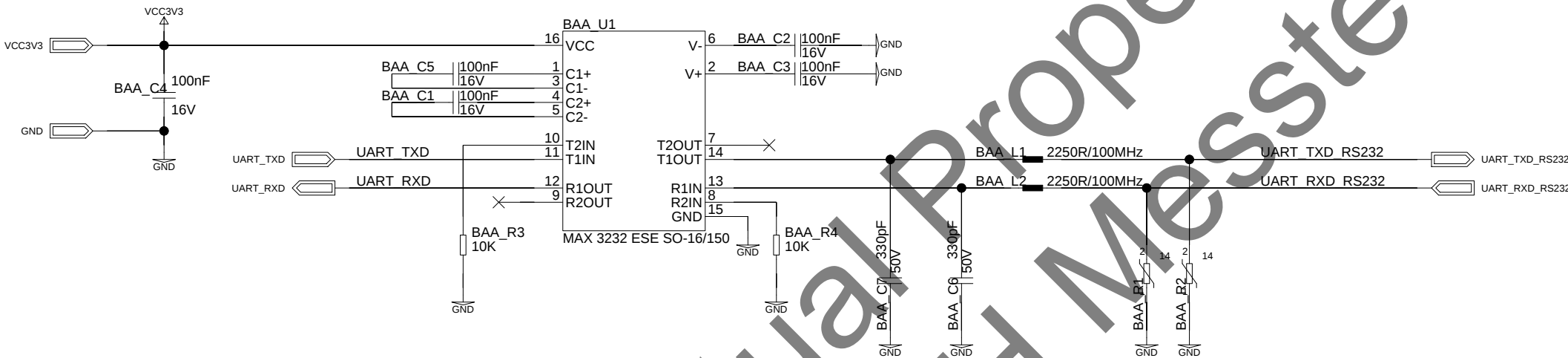
Serial Transceiver 2 lanes



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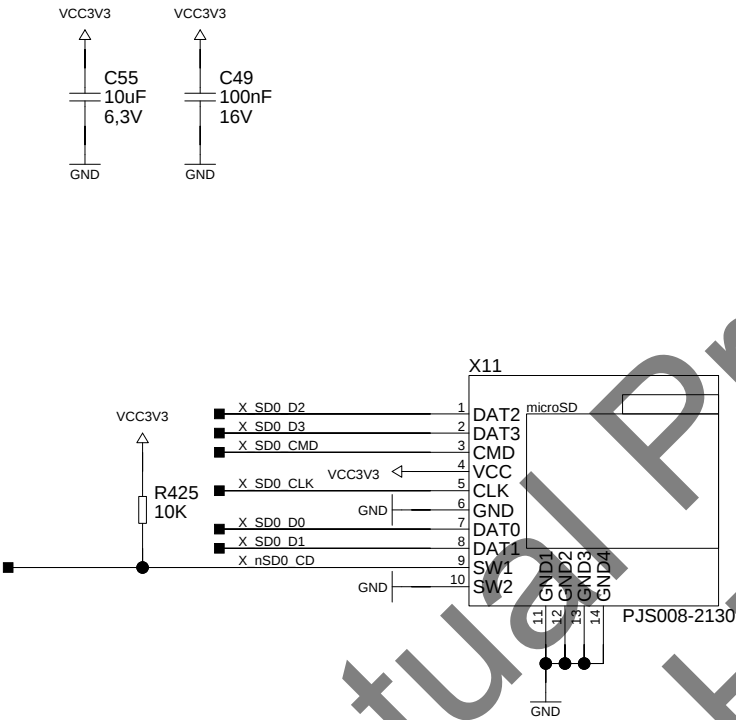
Serial Transceiver 2 lanes



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SD0 Card

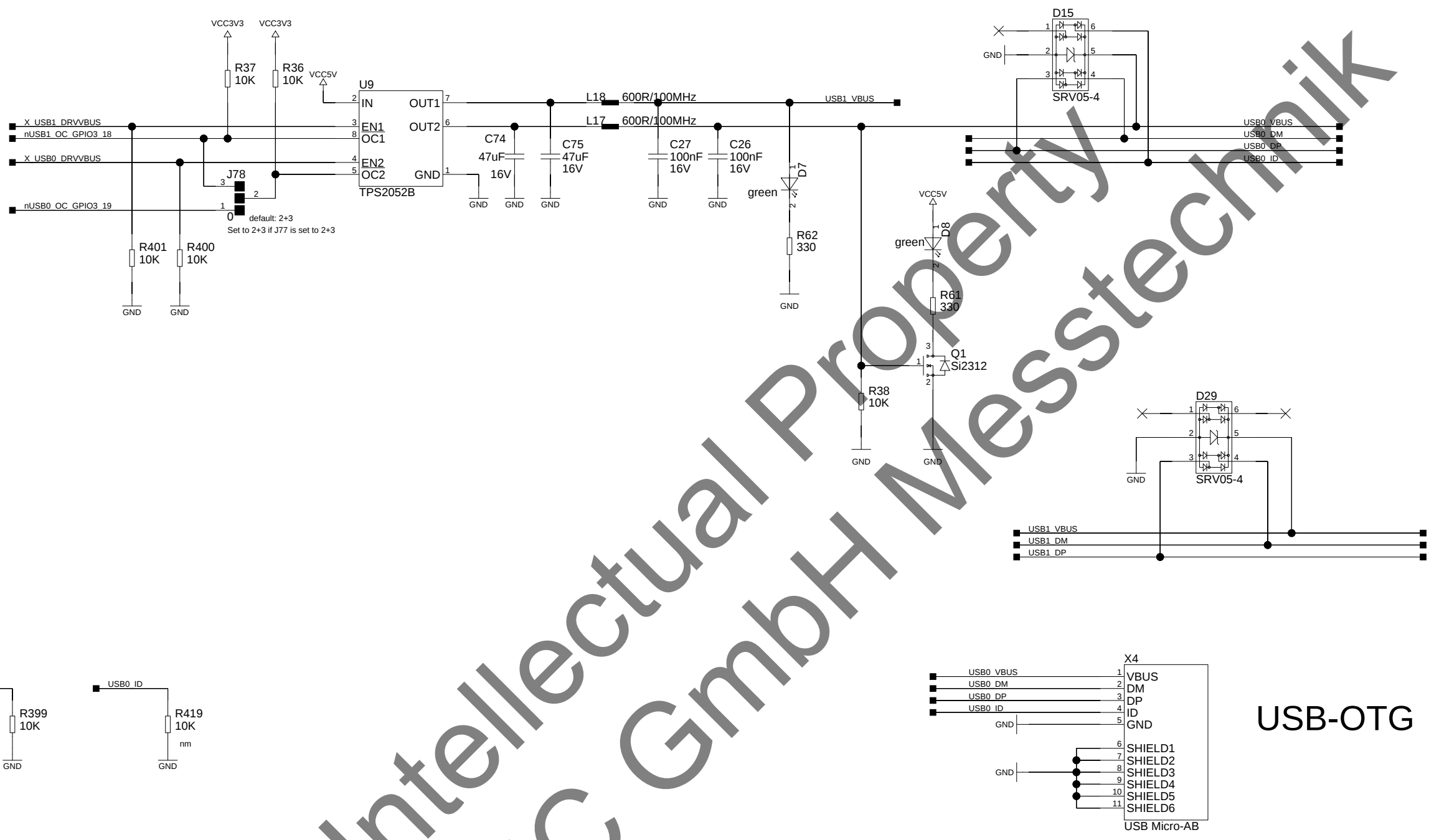
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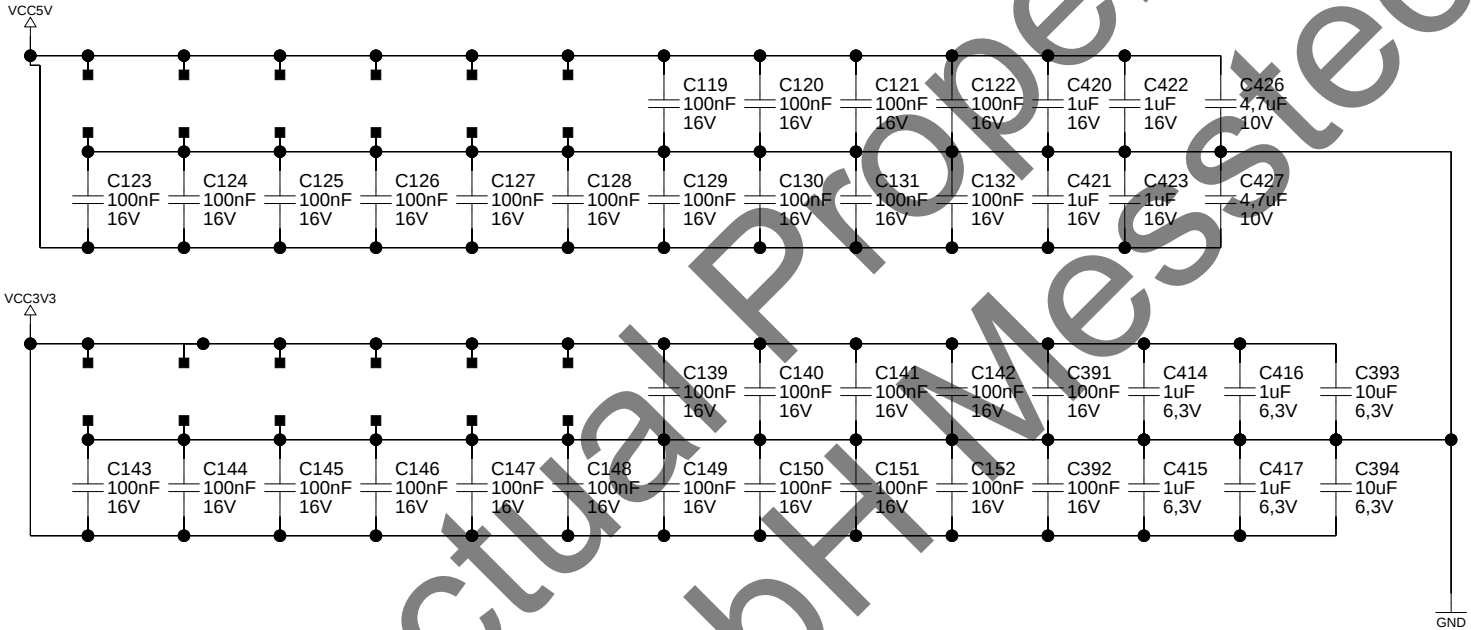
USB

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EMC Capacitors

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A

B

C

D

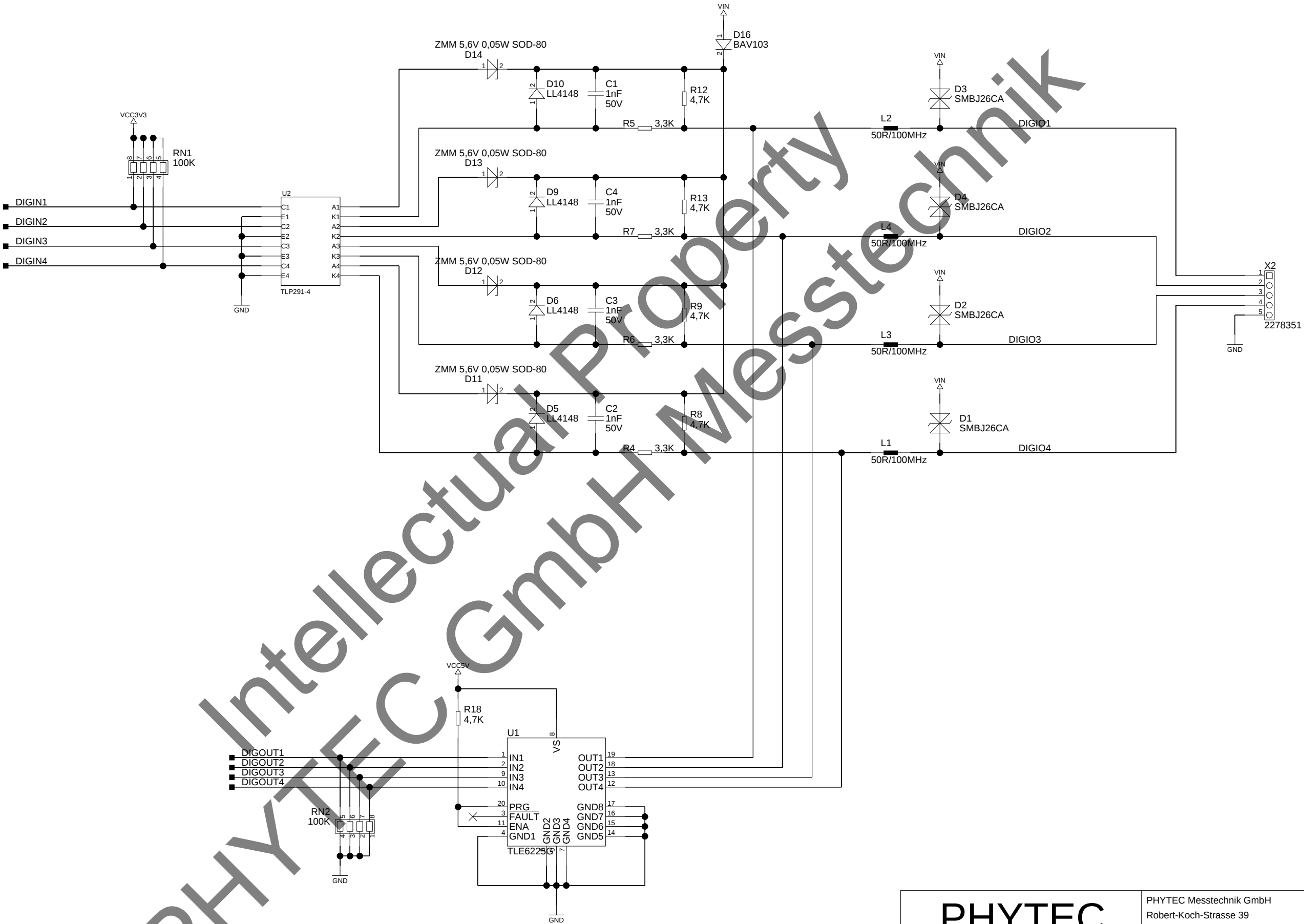
A

B

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D

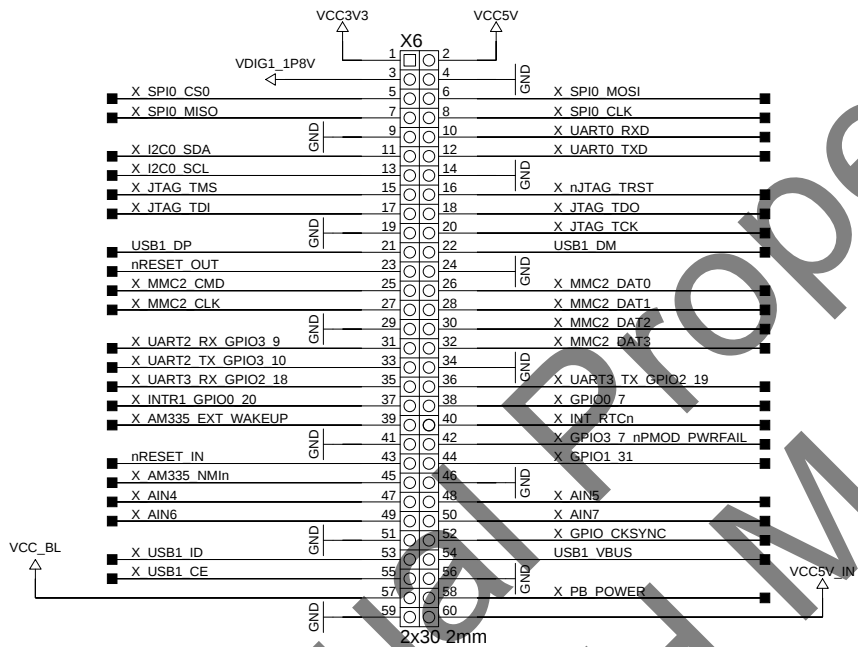
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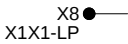
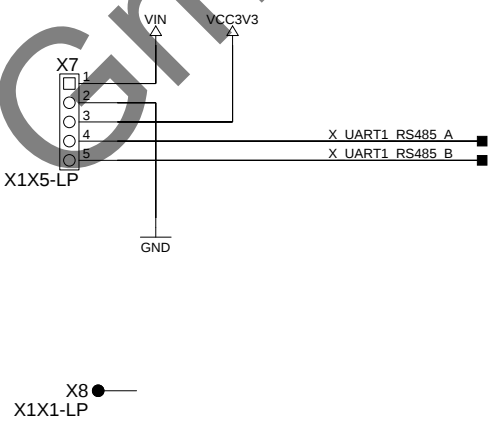
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Expansion Connector



Cardedge Connector



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