

PBA-C-08

phyBOARD REGOR-AM335

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D-55129 Mainz

Project:

PBA-C-08

Department : F&E

Author: M.Achilles/N.Litzenberger

21.03.2017

PCB-No.: 1447.3

Revision : 001

Sheet 1 of 24

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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.
A						
B						
C						
D						

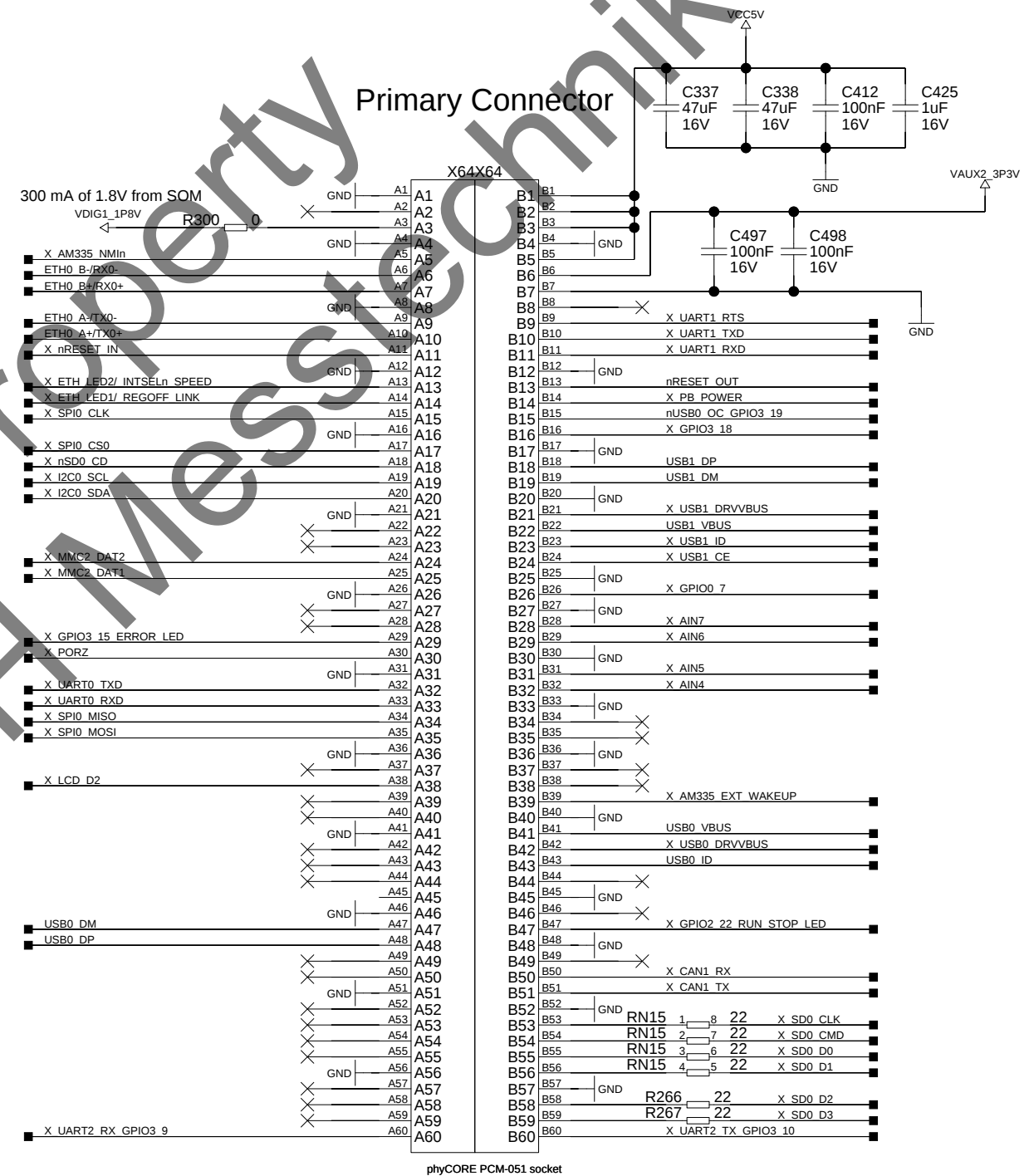
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Operating Ratings
Operating Votage: 24V +/- 5%

	EUROPE	NORTH AMERIKA
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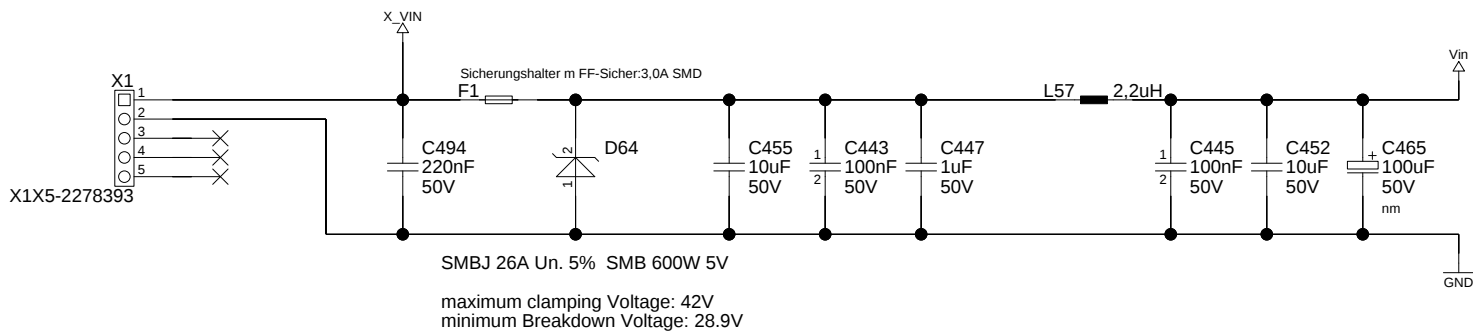
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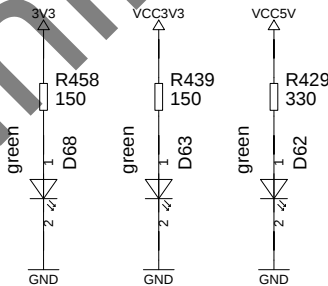
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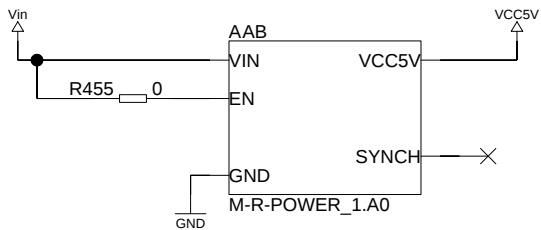
Power



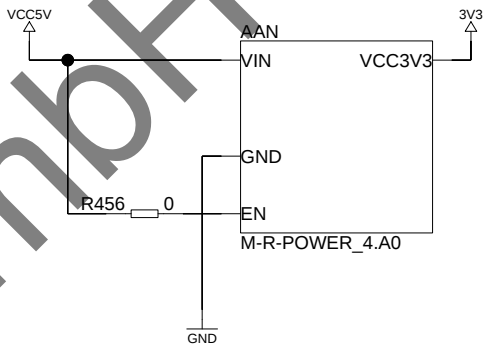
Voltage LED



5V/3A maximum



3.3V/1A maximum



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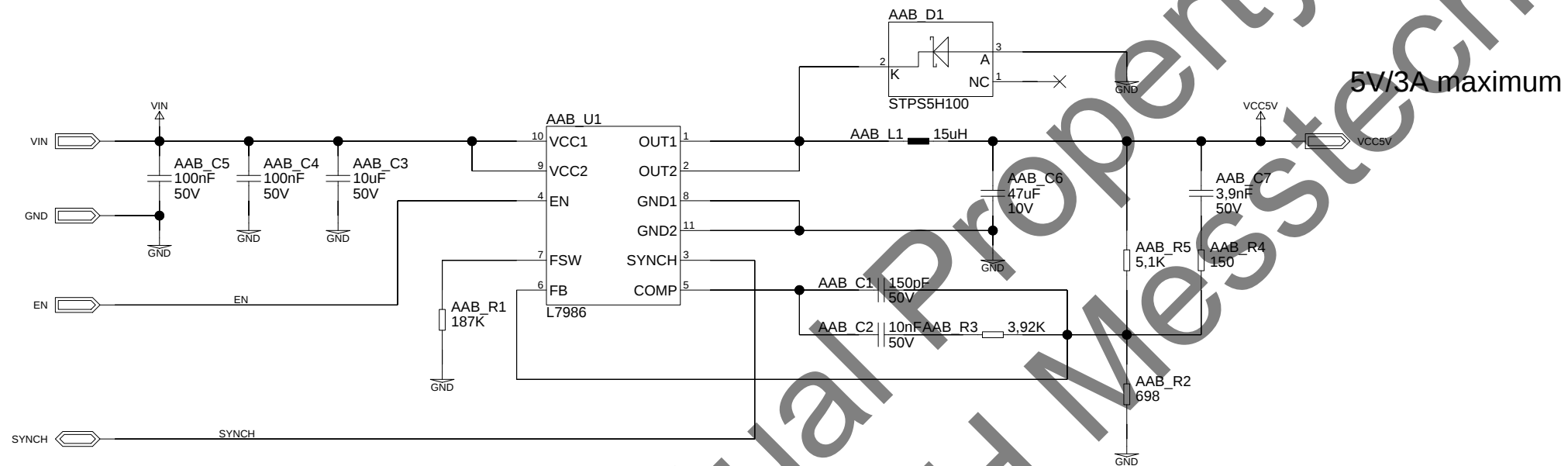
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M-R-POWER_1

5V Regulator 3A

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

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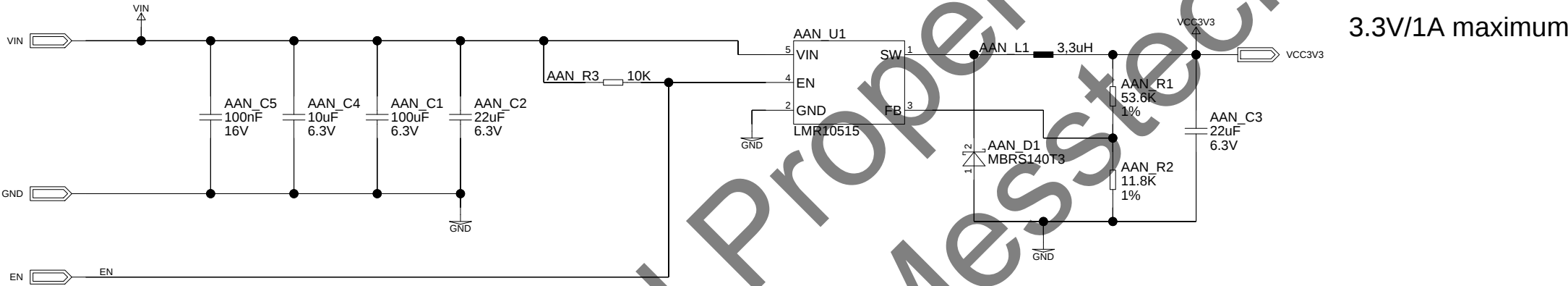
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Block Name: M-R-POWER_1	Block Prefix: AB	Department : F&E Author: T. Jacobus	
16.04.2015	Makro: M-R-POWER_1.A0	Revision : 001	Sheet 5 of 24

M-R-POWER_4

Regulator 3V3/1A

Operating Votage: 5V +/- 10%

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Block Name: M-R-POWER_4	Block Prefix: AN	Department : F&E Author: T. Jacobus	
16.04.2015	Makro: M-R-POWER_4.A0	Revision : 001	Sheet 6 of 24

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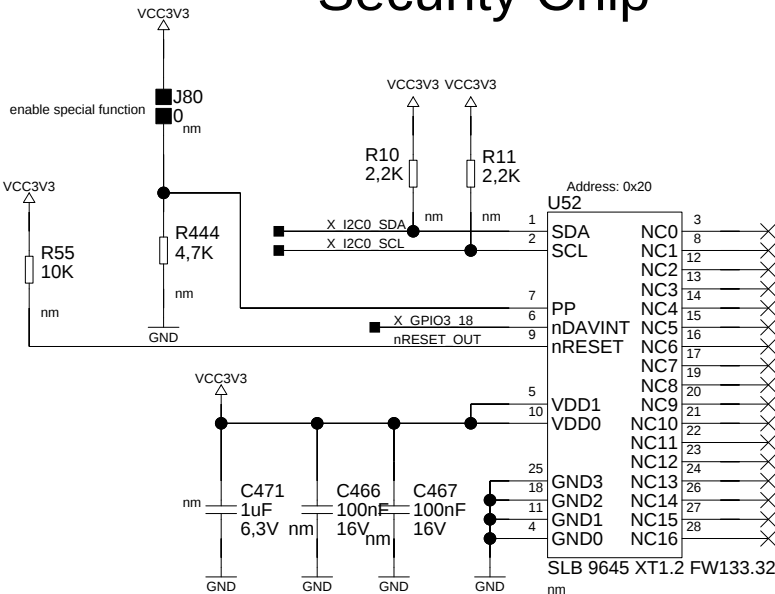
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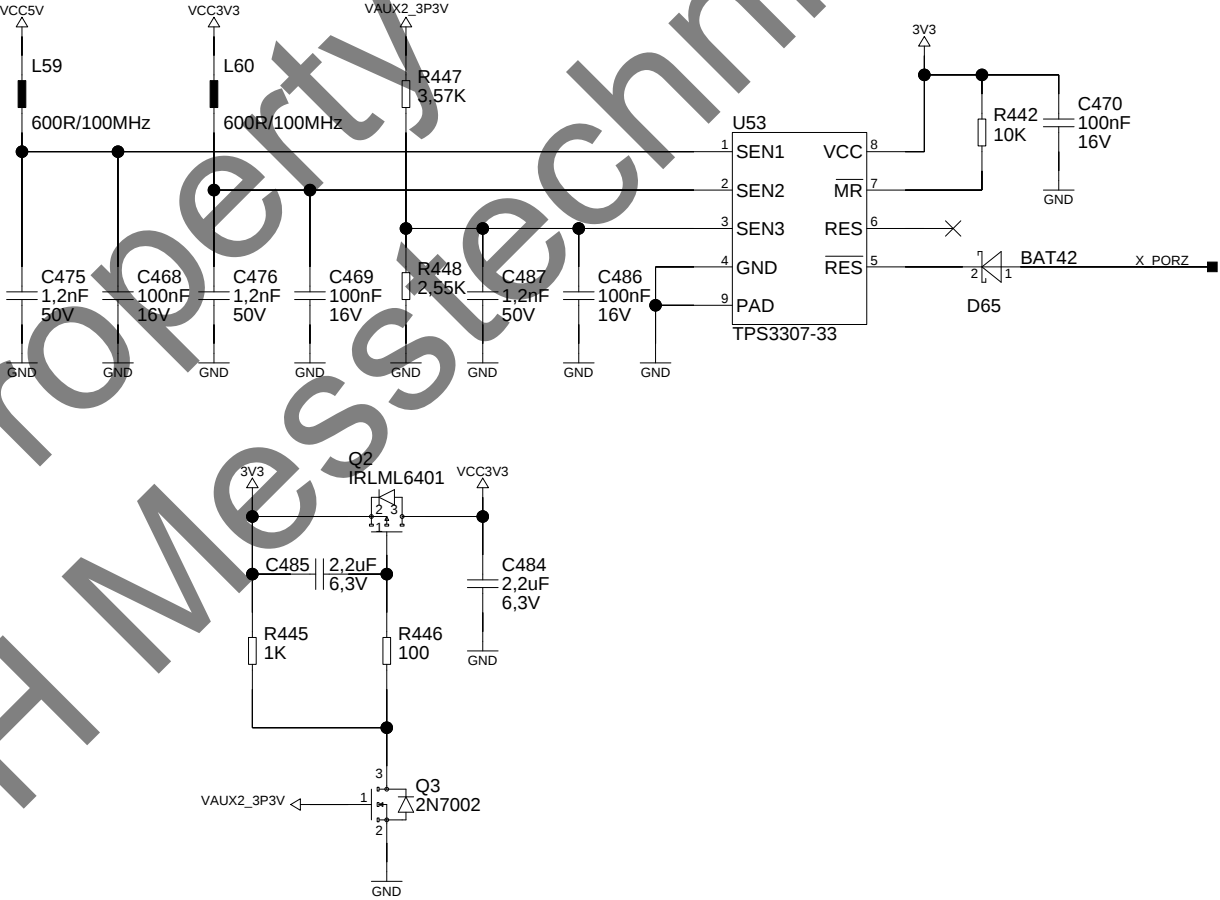
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Misc

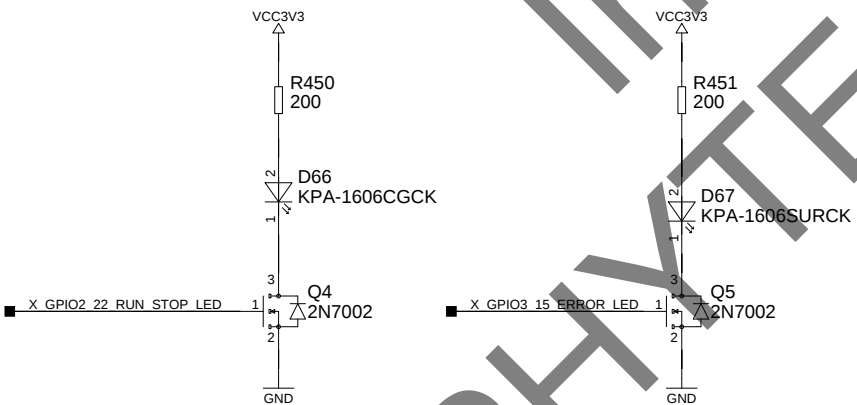
Security Chip



Power Up/Enable



Signal LED

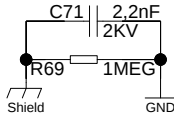


Z3
PHYTEC
PHYTEC Logo

Z1
DMC
DMC

Z4
Fiducial-Square
Z5
Fiducial-Round

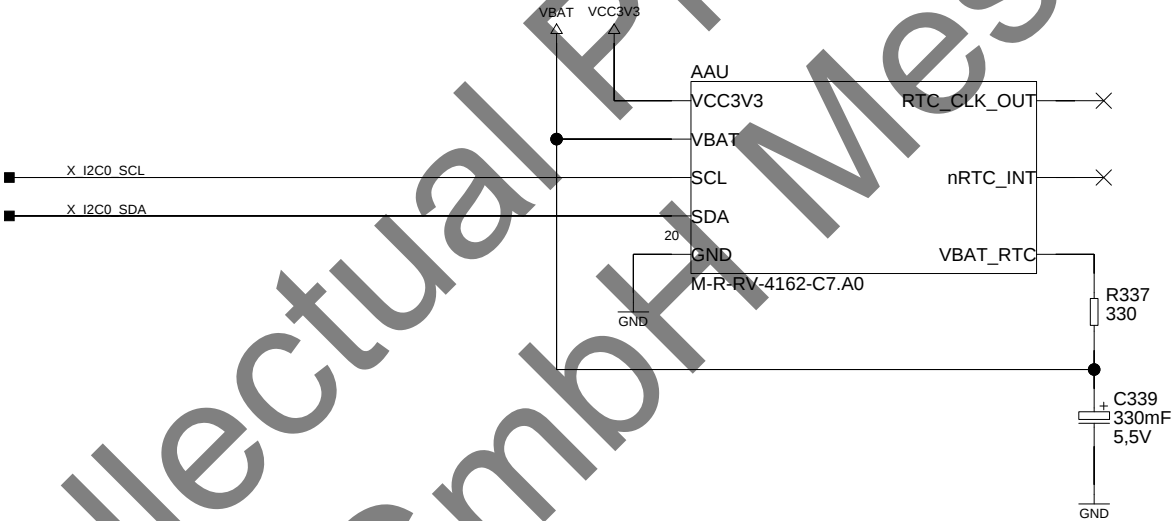
Z6
Fiducial-Square
Z7
Fiducial-Round



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Backup RTC



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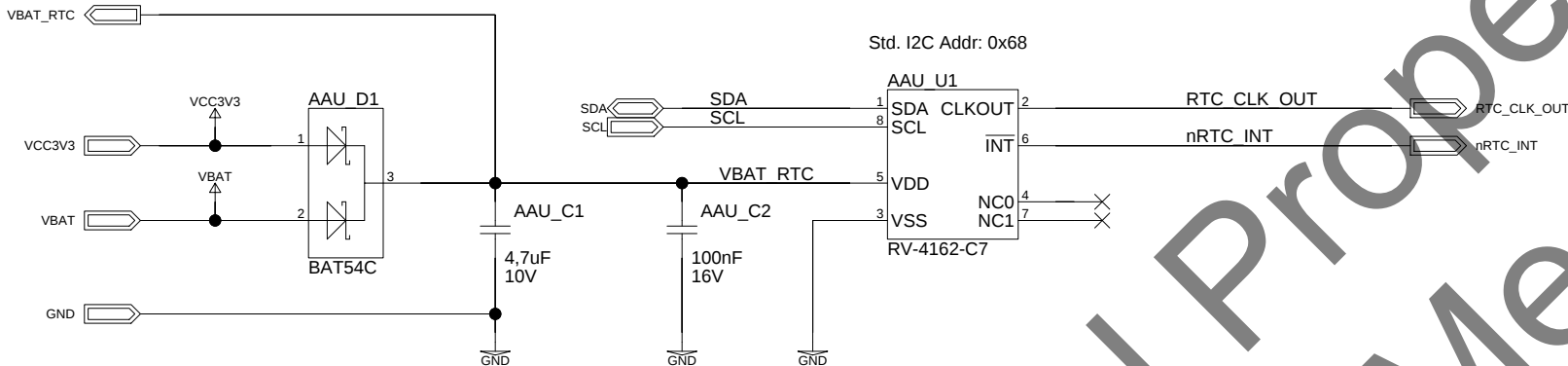
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M-R-RV-4162-C7

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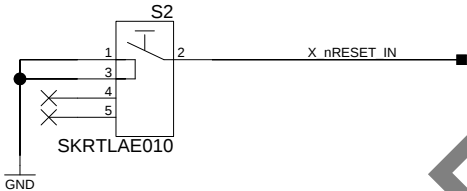
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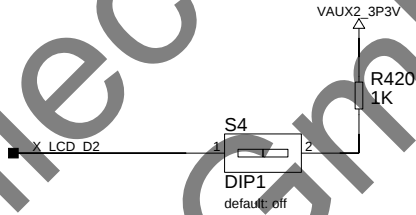
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Button/Switch

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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21.03.2017

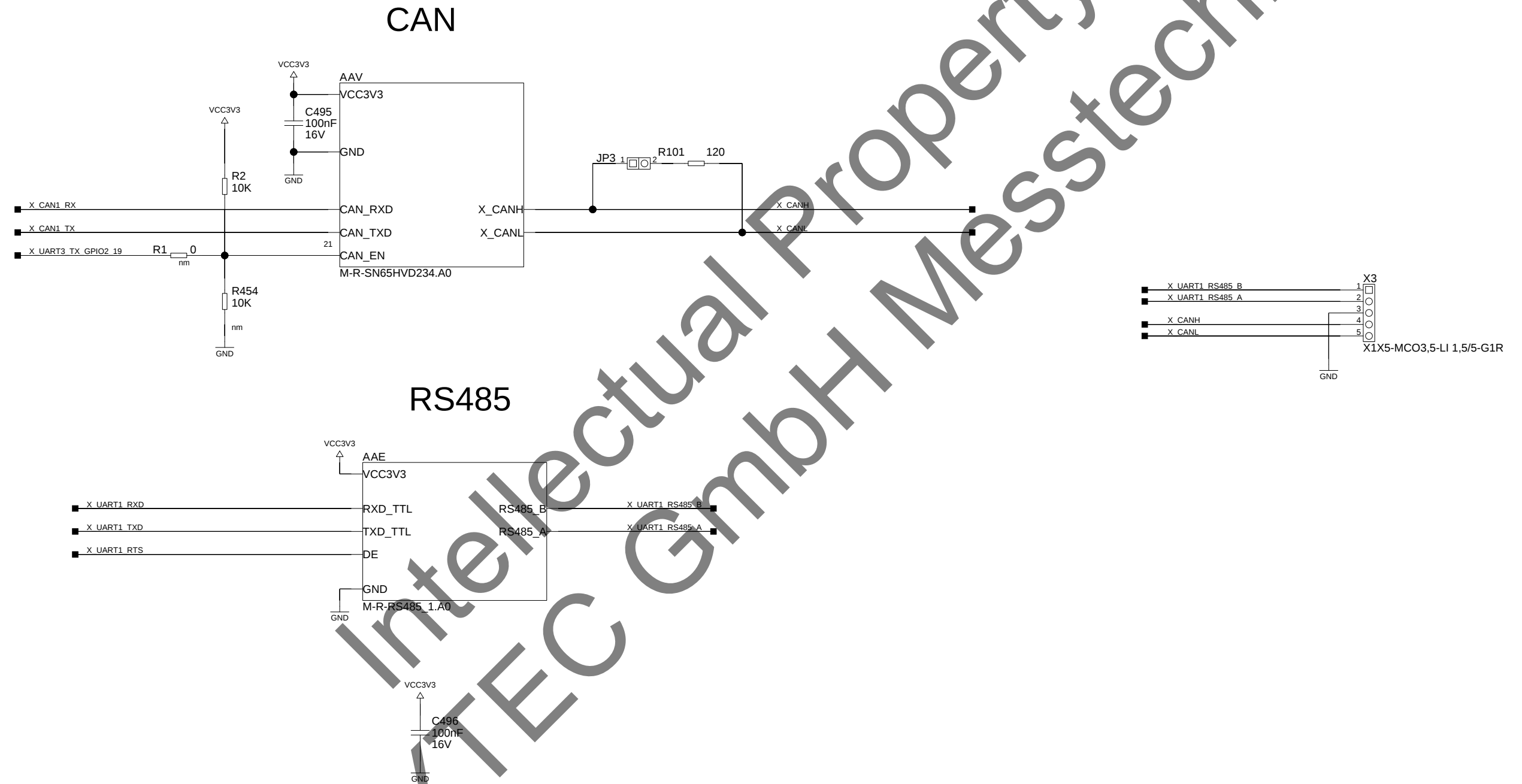
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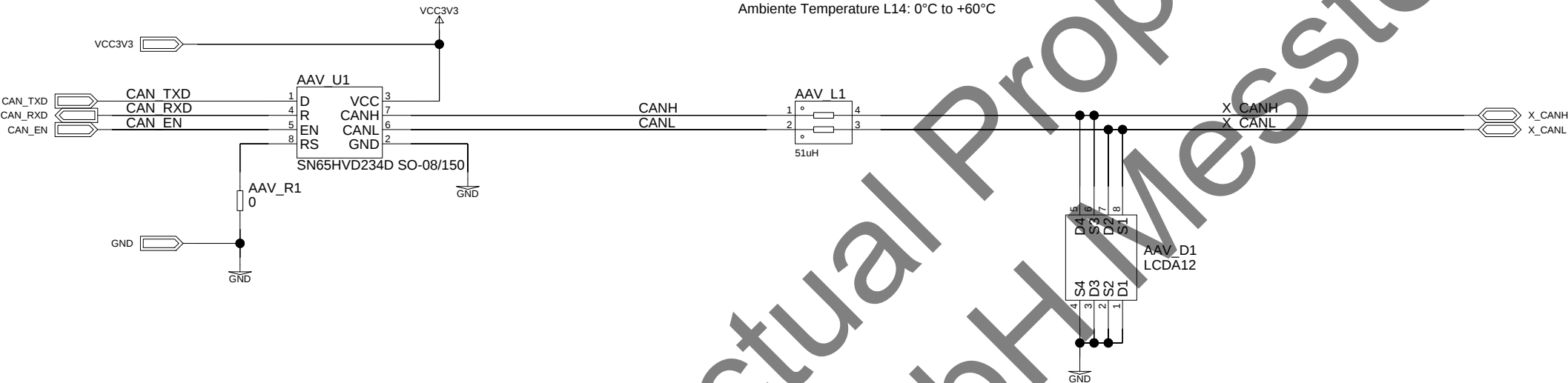
CAN RS485



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M-R-SN65HVD234

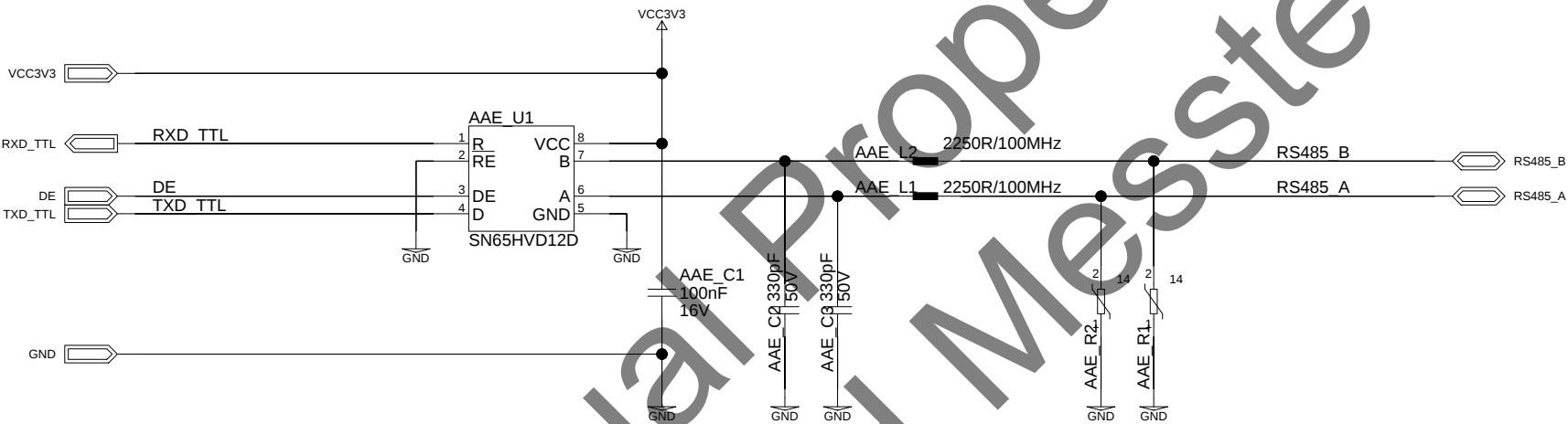
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M-R-RS485_1

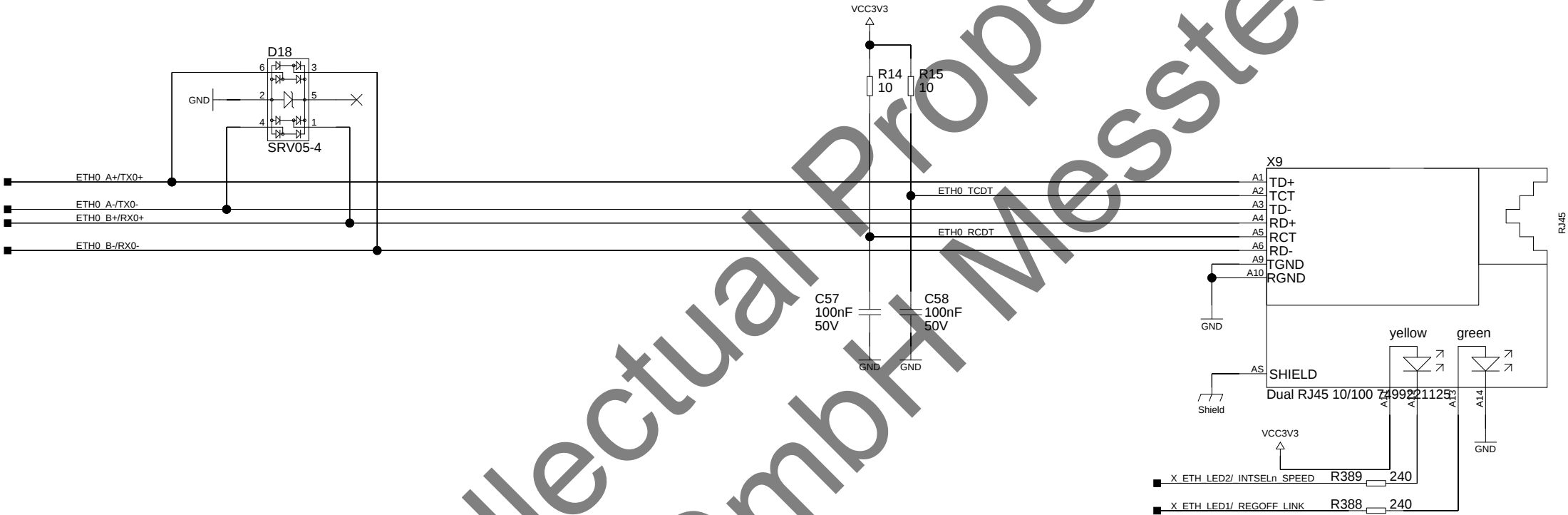
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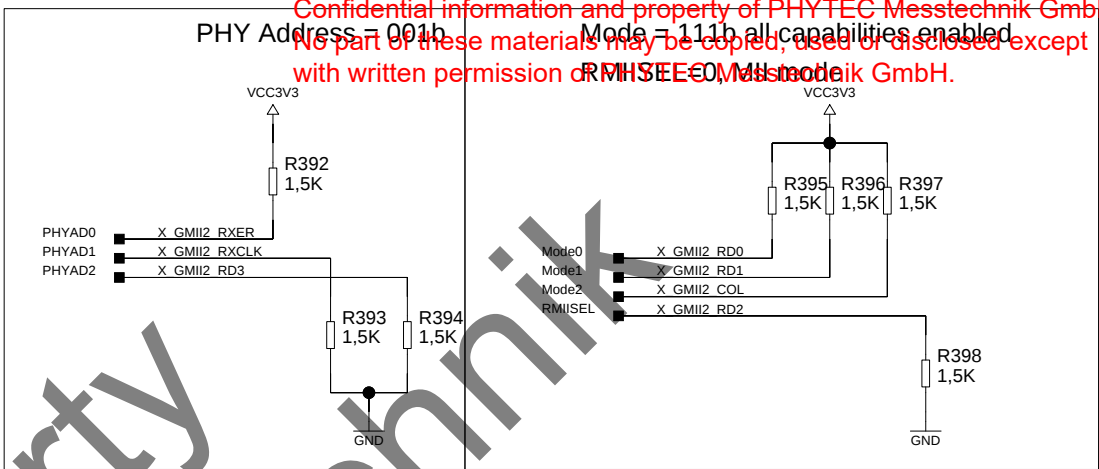
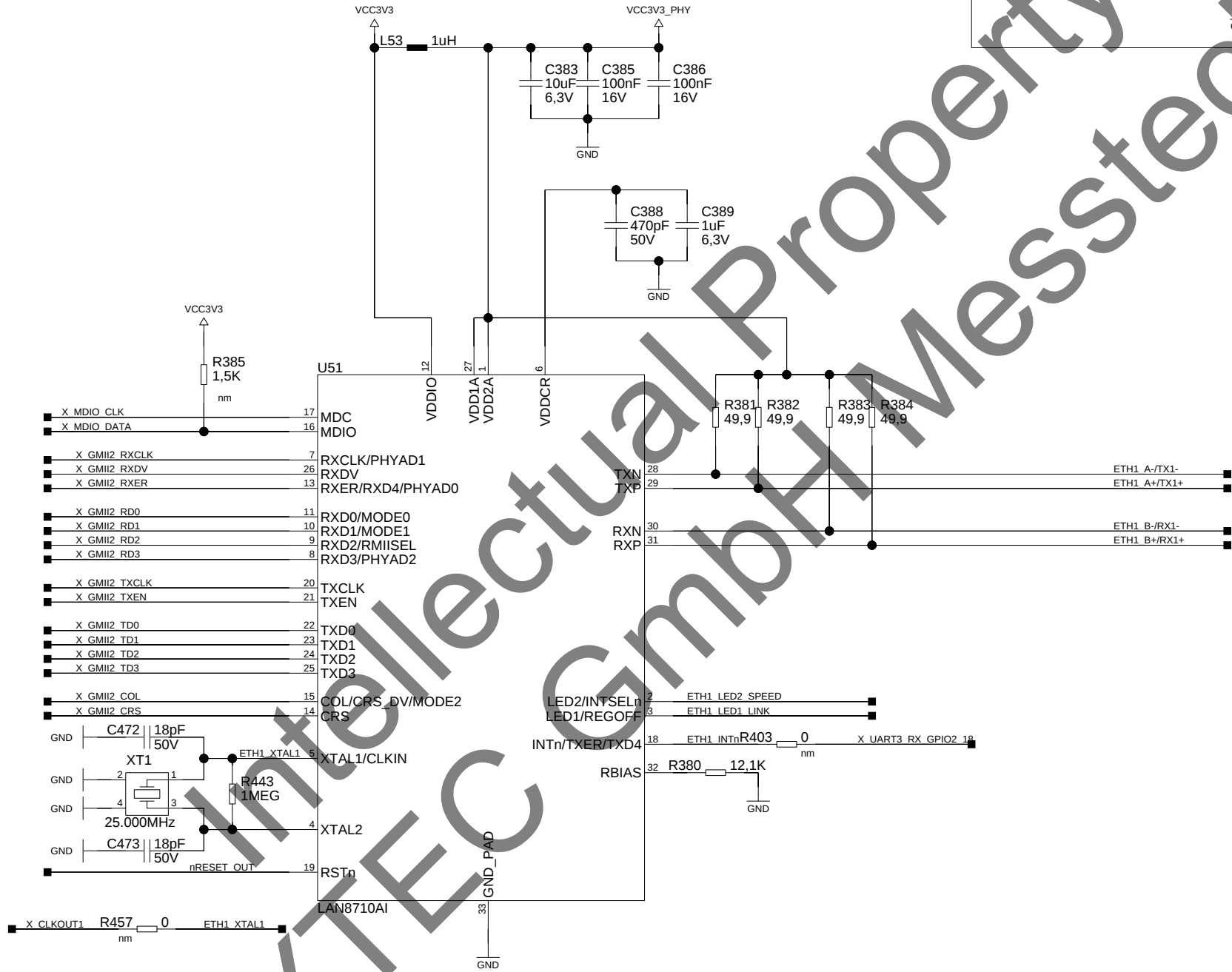
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Ethernet0 10/100Mbit



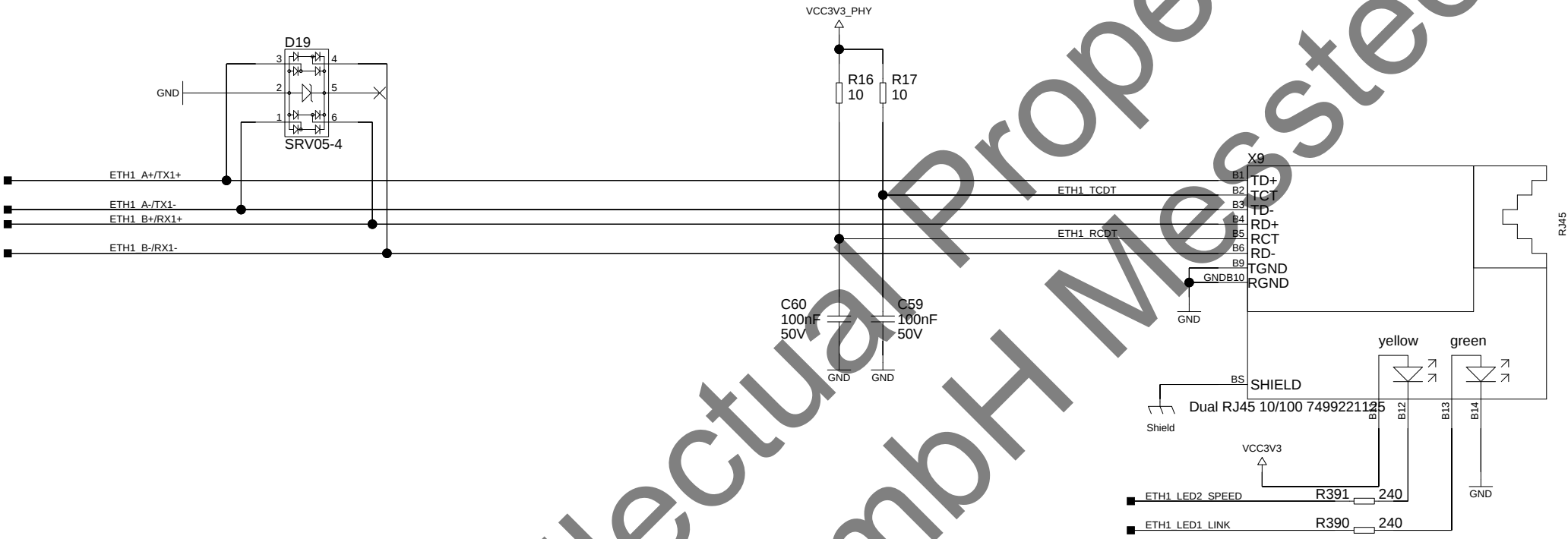
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ETH1 Phy



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Ethernet1 10/100Mbit

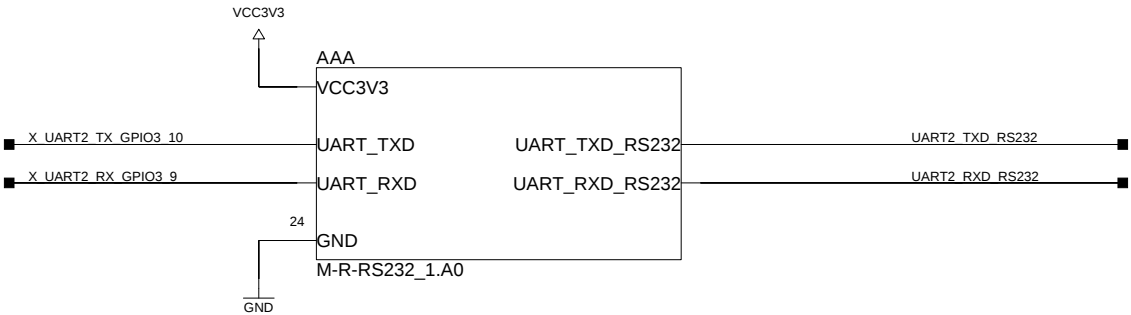


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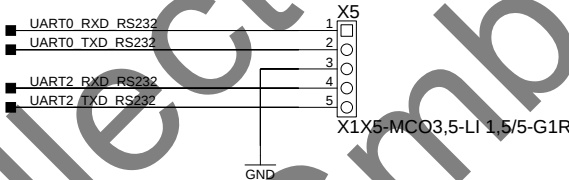
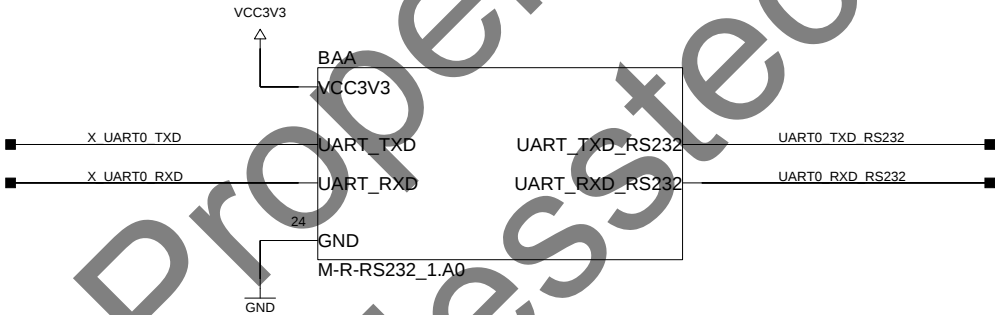
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RS232

UART2_RS232



UART0_RS232



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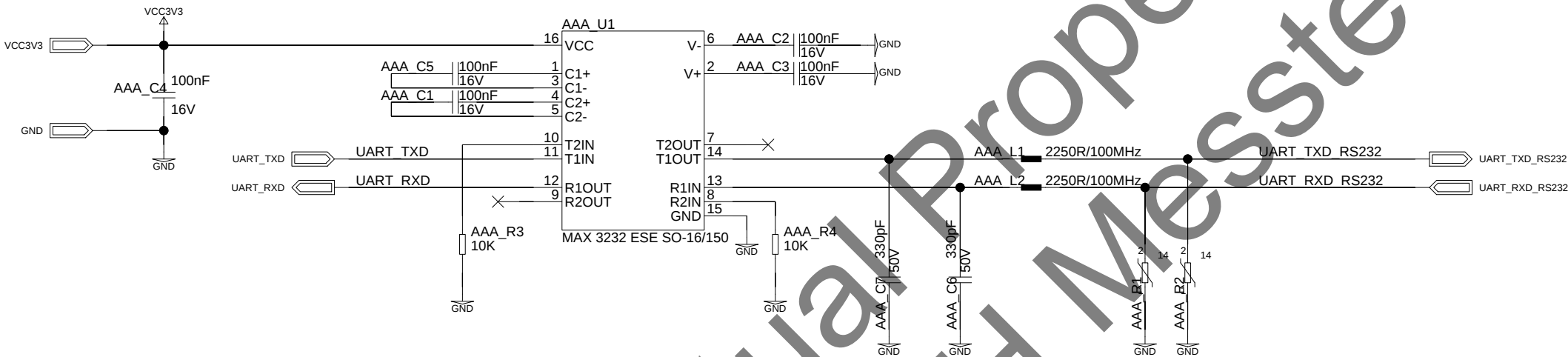
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M-R-RS232_1

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Serial Transceiver 2 lanes

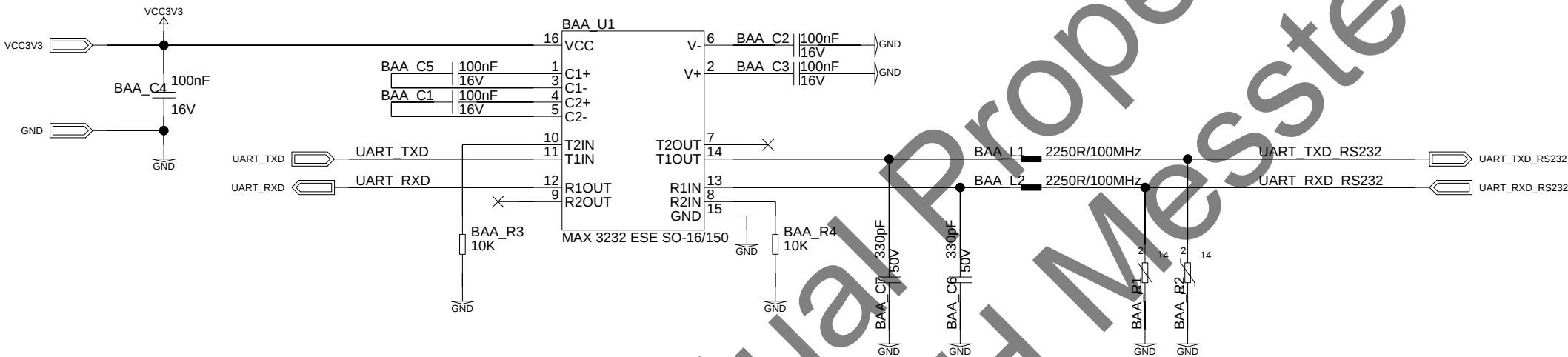


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M-R-RS232_1

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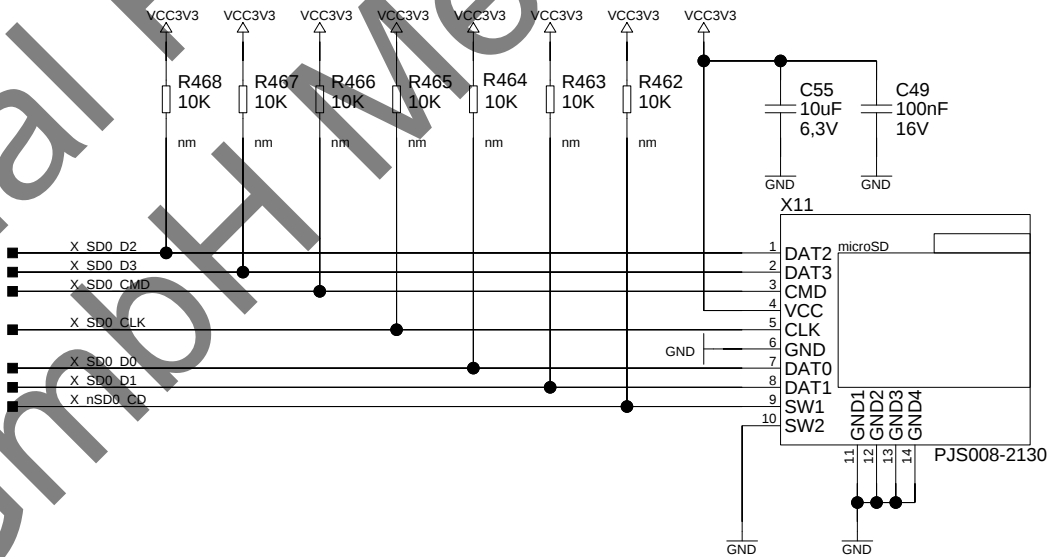
Serial Transceiver 2 lanes



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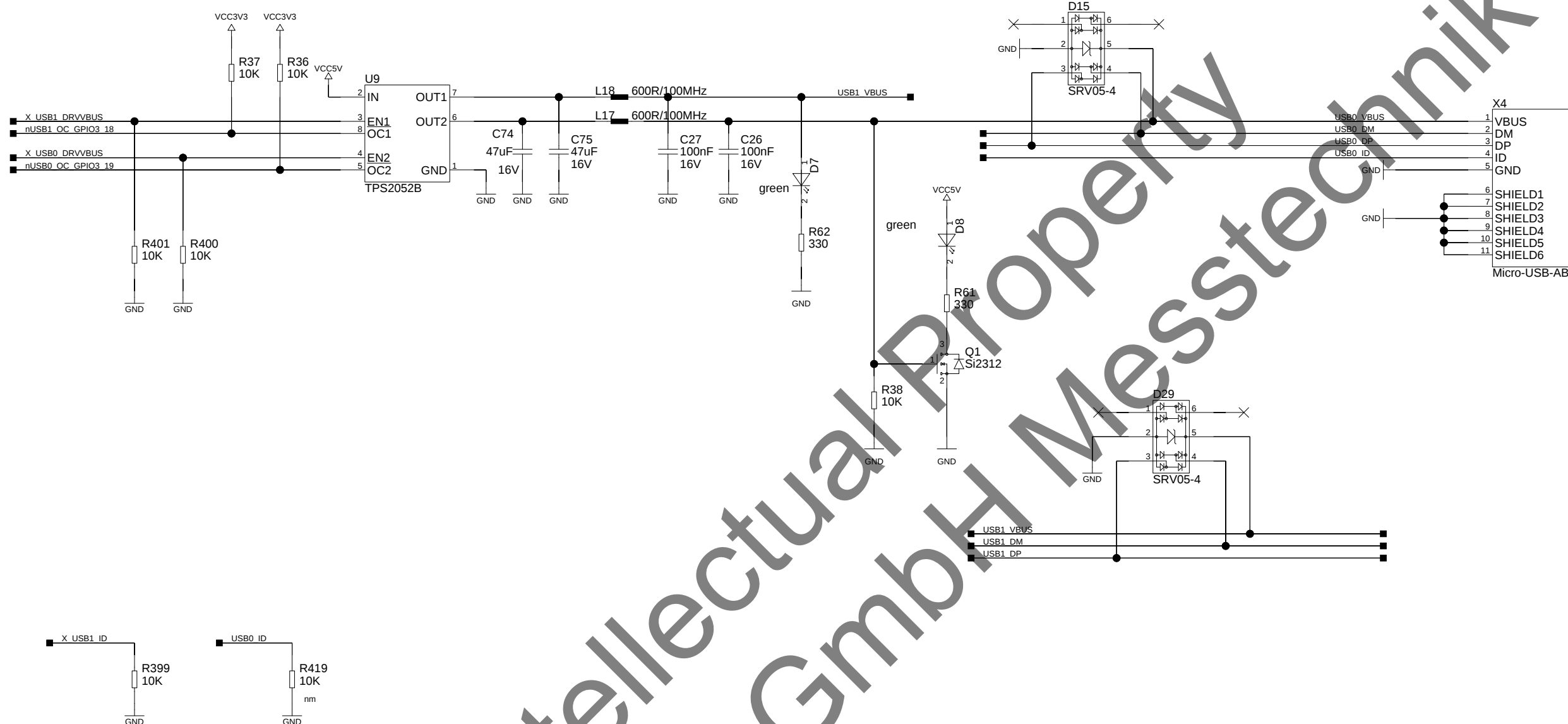
SD Card



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USB

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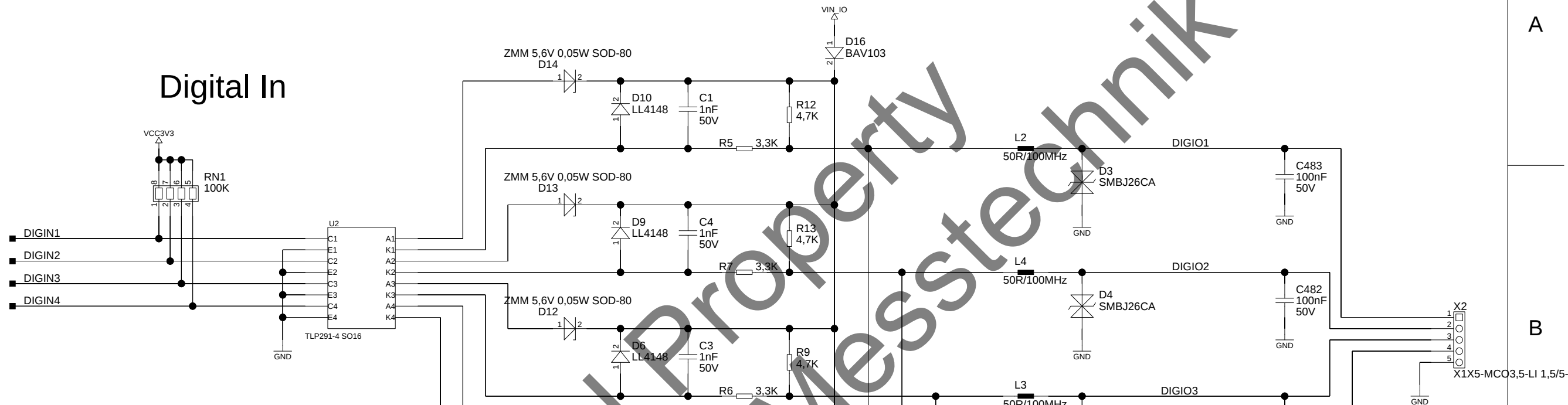
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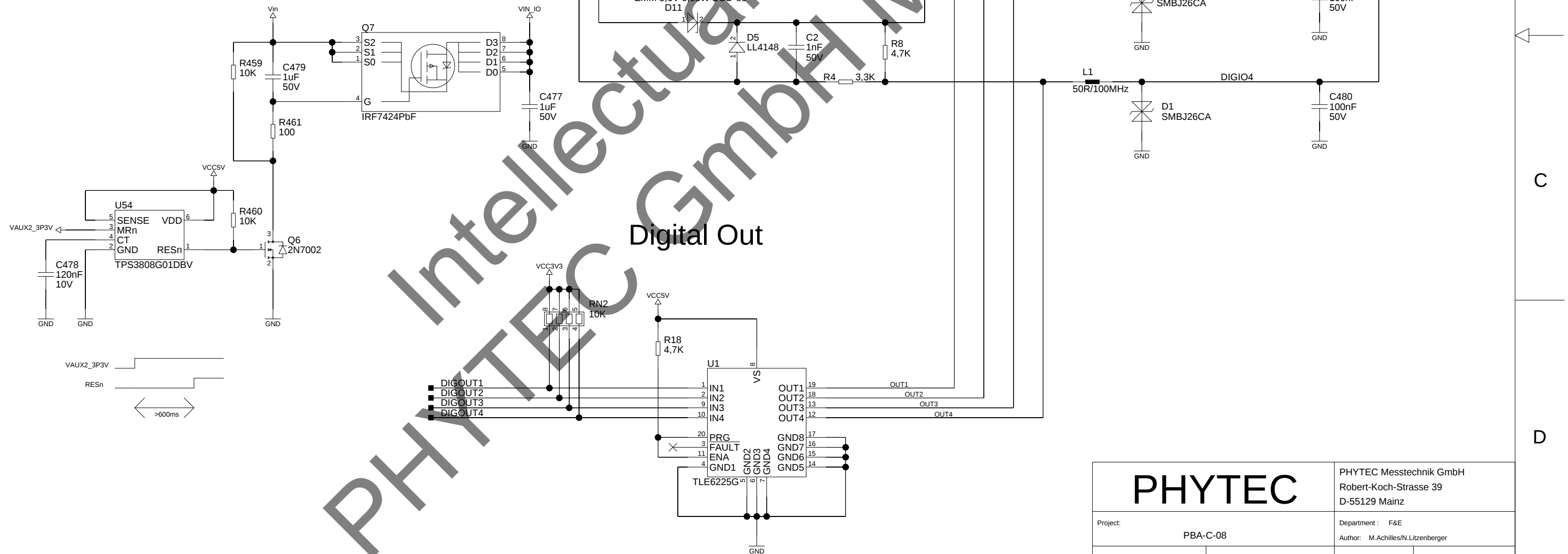
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Digital IO

Digital In



Digital Out



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A

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D

A

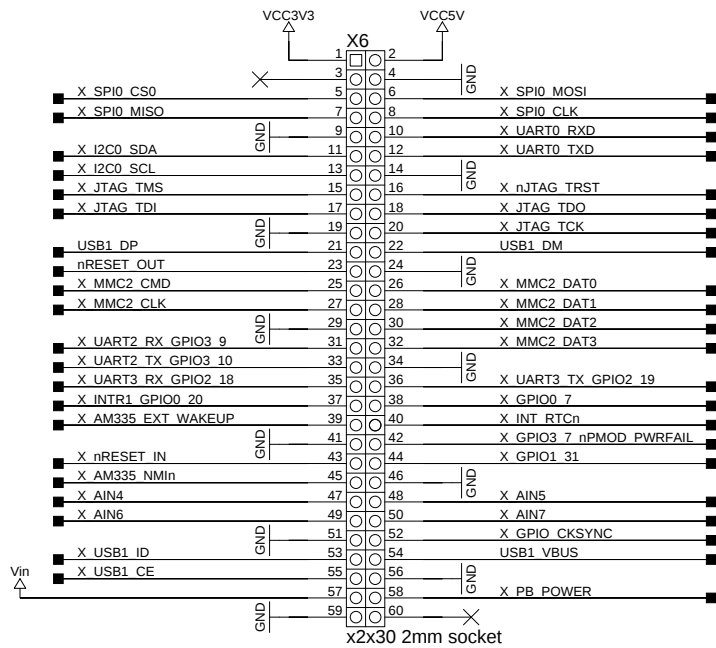
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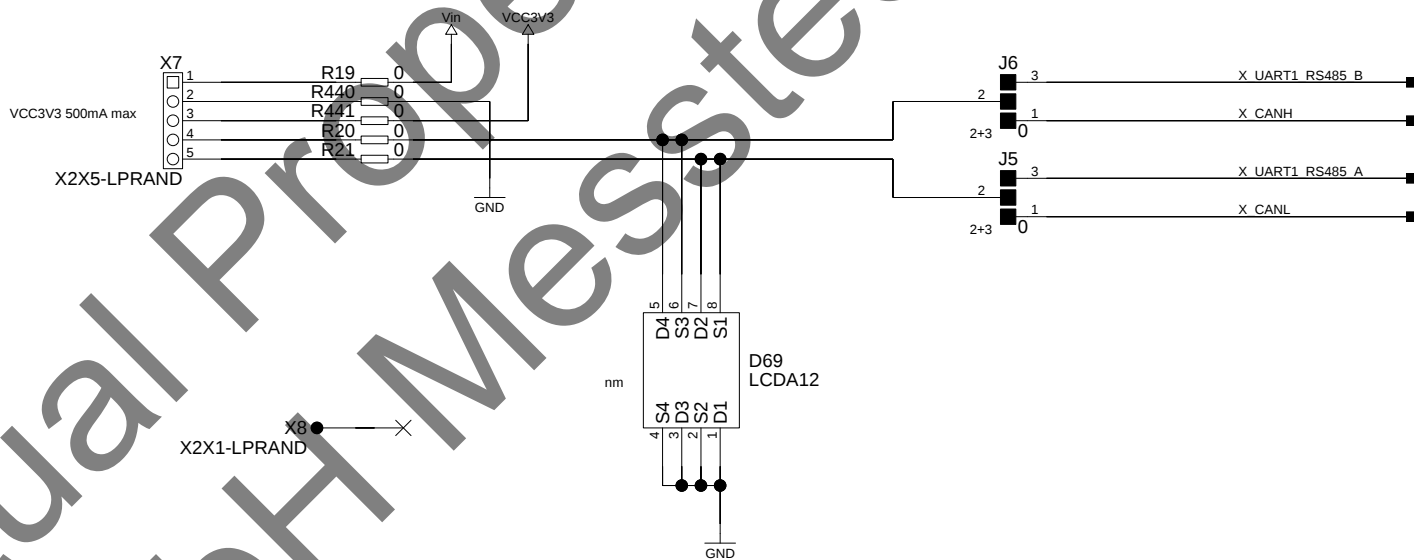
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Expansion Connector



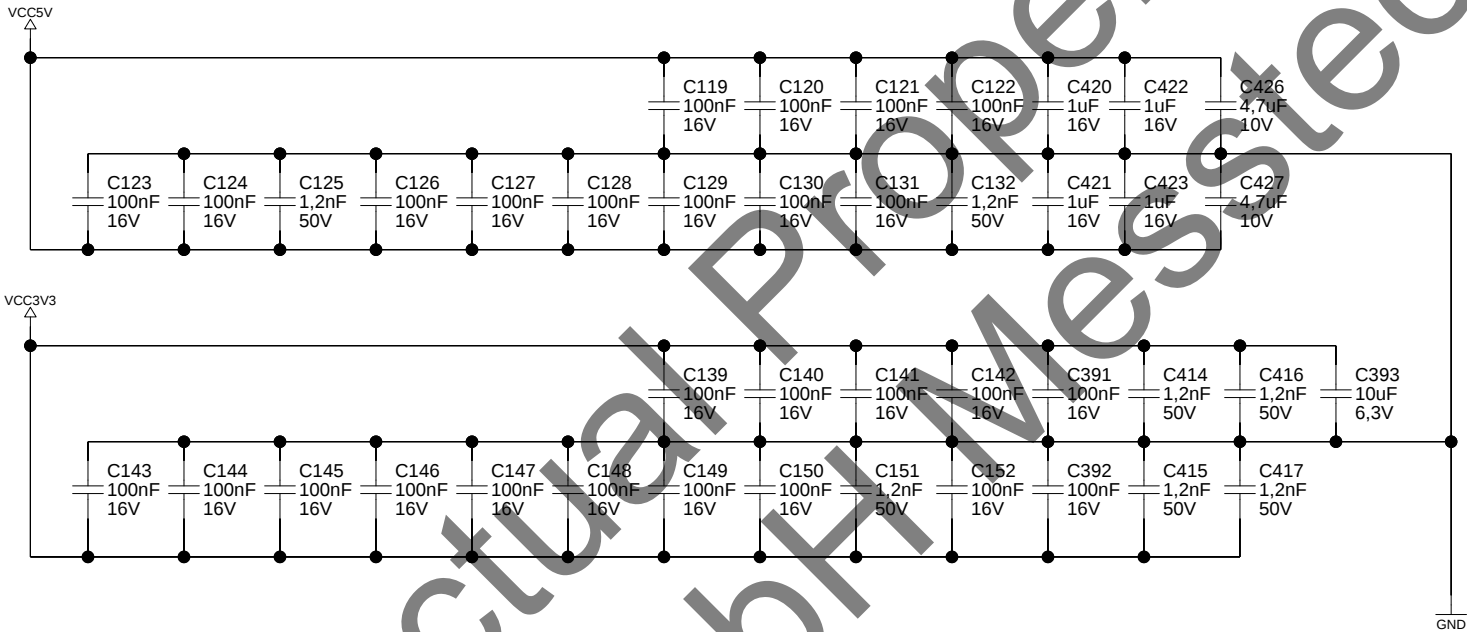
Cardedge Connector



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EMC Capacitors



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