

A

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B

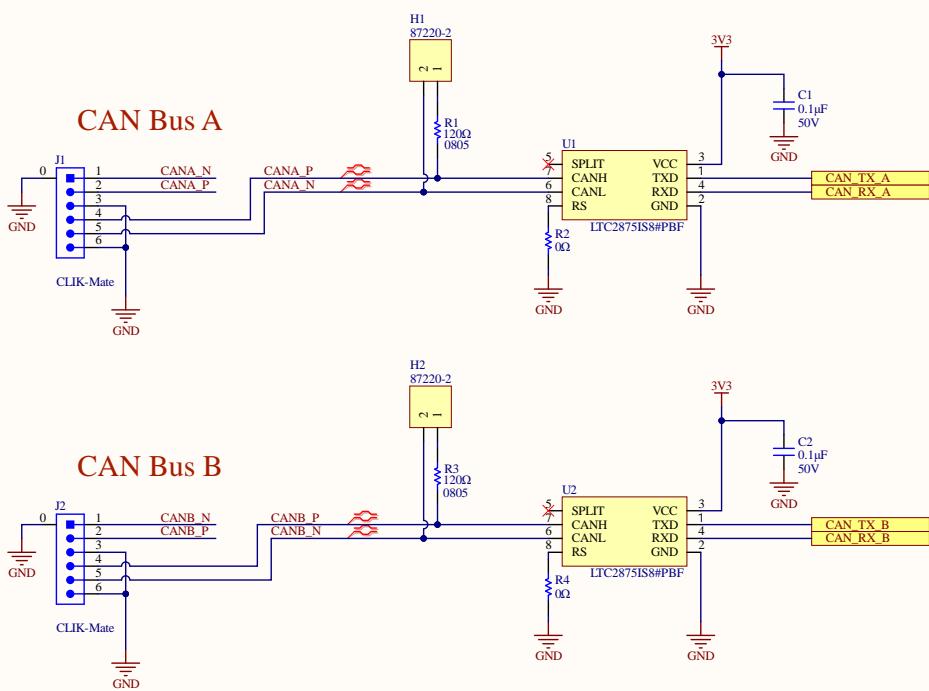
C

C

D

D

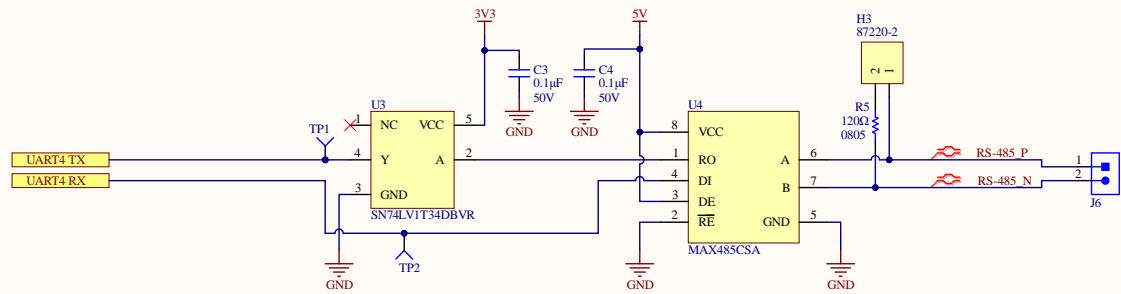
CAN Transceivers



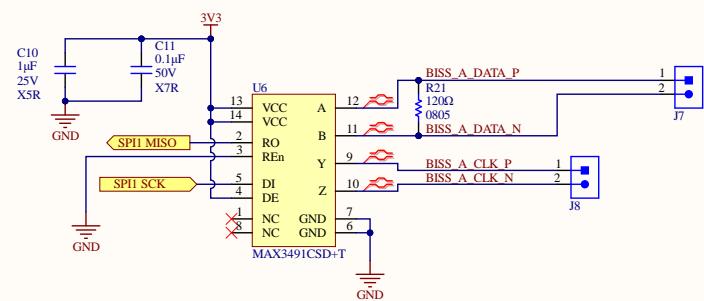
Title: CANTransceivers	
Project: Nucleo Shield.PnjPcb	
Rev: 1.0	Checker: Wolfgang Windholtz
Engineer: Sahil Kale	Date: 12/26/2020 Sheet: 1 of 7

A

RS-485 Transceiver



B



C

Title: RS-485 Transceiver	
Project:	Nucleo Shield.PnjPcb
Rev:	1.0
Checker:	Wolfgang Windholtz
Engineer:	Sahil Kale
Date:	12/26/2020
Sheet:	2 of 7



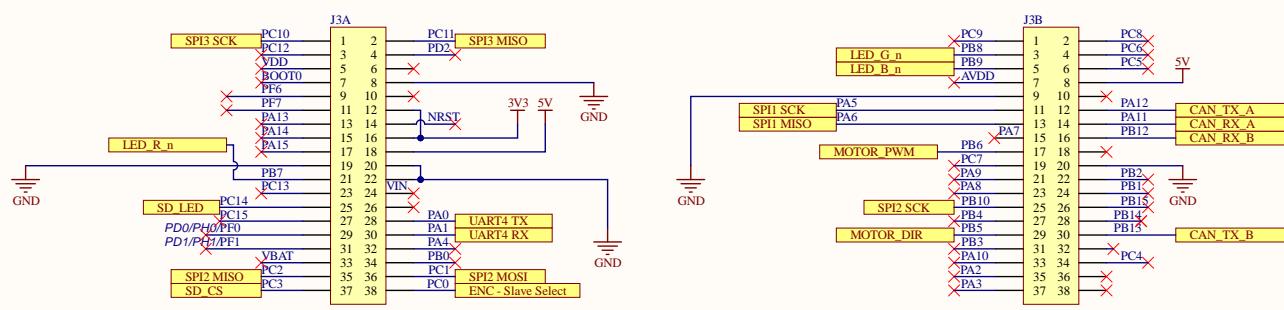
1 2 3 4 5 6

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Title: Nucleo Headers	
Project: Nucleo Shield.PnjPcb	
Rev: 1.0	Checker: Wolfgang Windholtz
Engineer: Sahil Kale	Date: 12/26/2020 Sheet: 3 of 7



1 2 3 4 5 6

6

1	2	3	4	5	6
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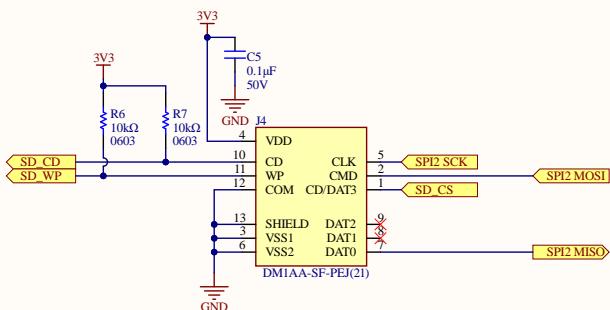
C

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SD Card Connector



1	2	3	4	5	6
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Title: SD Card Interface

Project: Nucleo Shield.PnjPcb

Rev: 1.0 Checker: Wolfgang Windholtz

Engineer: Cindy Li

Date: 12/26/2020 Sheet: 4 of 7



1 2 3 4 5 6

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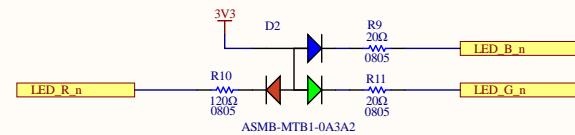
C

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Status LED



ASMB-MTB1-0A3A2

Title: RGB LED	
Project: Nucleo Shield.PnjPcb	
Rev: 1.0	Checker: Wolfgang Windholtz
	Engineer: Sahil Kale
Date: 12/26/2020	Sheet: 5 of 7



1 2 3 4 5 6

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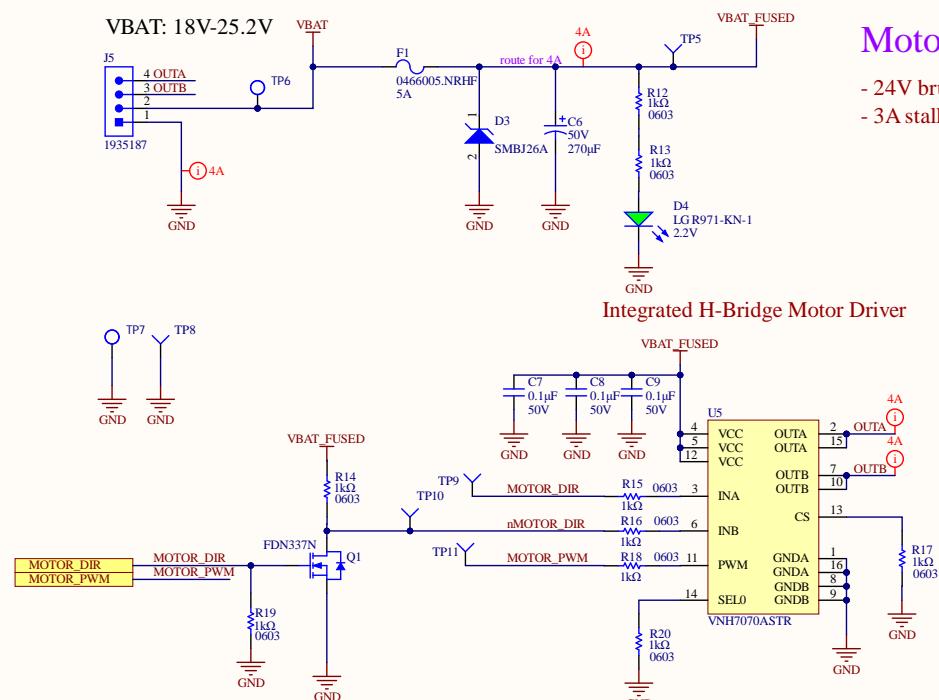
B

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C

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D



Motor Controller Specs

- 24V brushed motors
- 3A stall current

Integrated H-Bridge Motor Driver

Title: Brushed Motor Controller	
Project: Nucleo Shield.PnjPcb	
Rev: 1.0	Checker: Wolfgang Windholtz
Engineer: Kyle Hong	
Date: 12/26/2020	Sheet: 6 of 7

A

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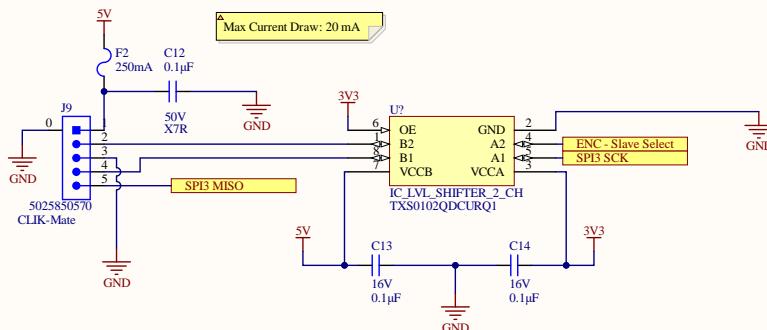
C

C

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D

Broadcom AEAT-6012 Encoder



Title: Broadcom Encoder	
Project: Nucleo Shield.PnjPcb	
Rev: 1.0	Reviewer: Wolfgang Windholtz
	Engineer: Sahil Kale
Date: 12/26/2020	Sheet: 7 of 7



