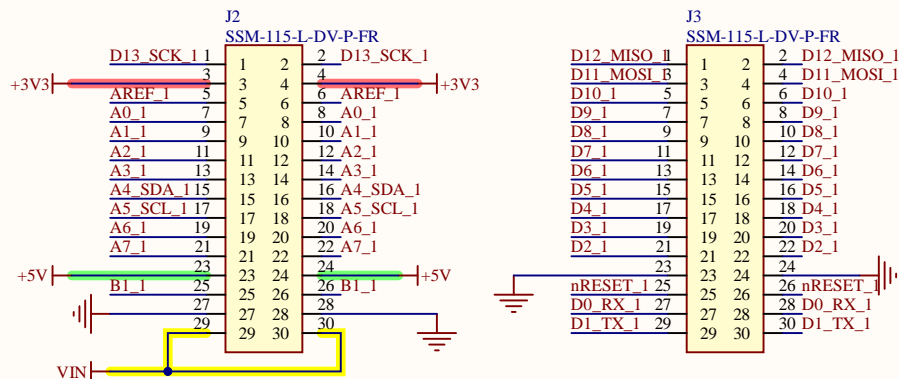
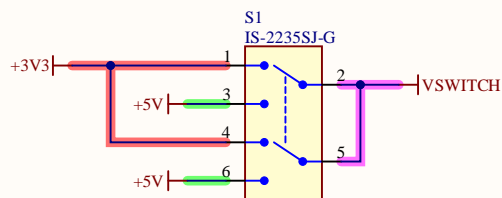


## ARDUINO NANO TOP VIEW



## POWER SWITCH

Set the switch accordingly to what is the IO voltage of the Nano

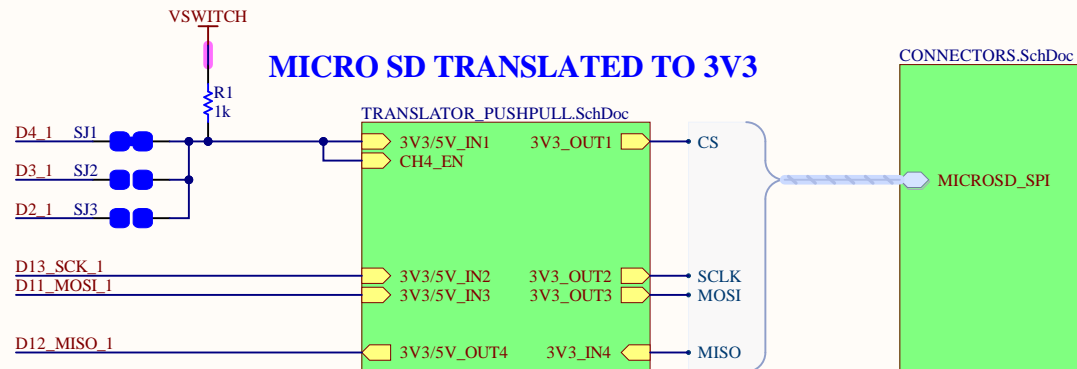


QR1  
QR CODE 4x4mm



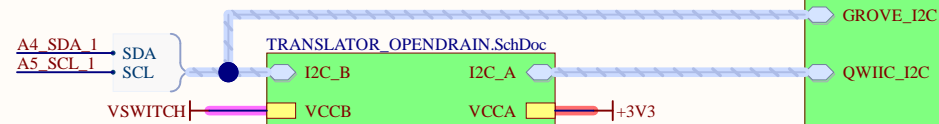
- Fiducial\_1
- Fiducial\_2
- Fiducial\_3
- Fiducial\_4

## MICRO SD TRANSLATED TO 3V3



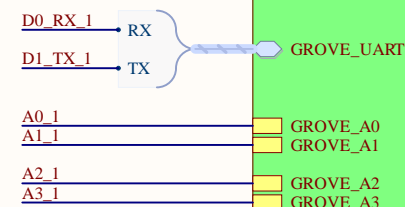
## GROVE I2C IS NOT TRANSLATED

## QWIIC TRANSLATED TO 3V3



## GROVE UART and GROVE ANALOGS are not translated.

Their VDD pins are connected to VSWITCH.

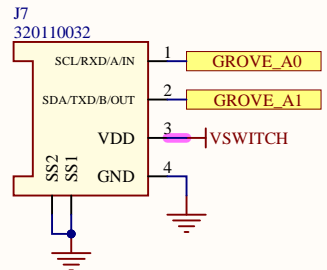


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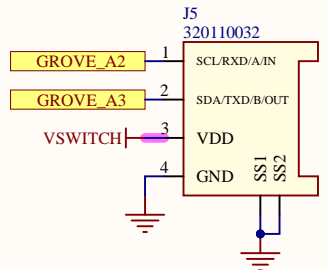
Title: <b>TOP</b>		Version: <b>V0.7</b>	
ID: <b>ASX00061</b>	Date: <b>29/04/2025</b>	Time: <b>12:55:01</b>	Sheet <b>1</b> of <b>4</b>
File: <b>TOP.SchDoc</b>	Author: <b>Silvio Navaretti</b>		RevAuthor: <b>Silvio Navaretti</b>



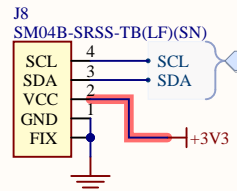
GROVE  
ANALOG A0, A1



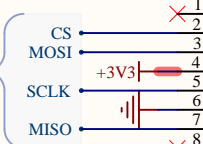
GROVE  
ANALOG A2, A3



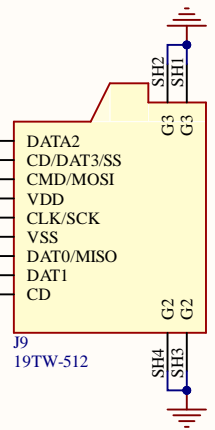
QWIIC I2C  
same as  
GROVE I2C  
and headers  
A4, A5



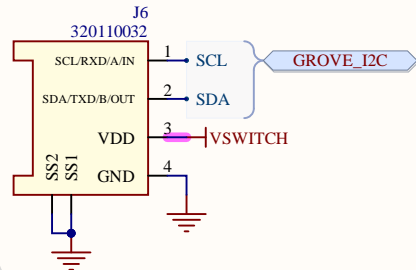
MICROSD\_SPI



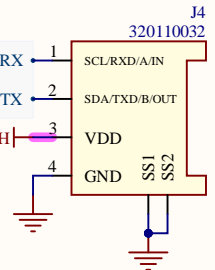
MICRO SD  
CONNECTOR



GROVE I2C  
same as QWIIC  
and headers  
A4, A5



GROVE\_UART



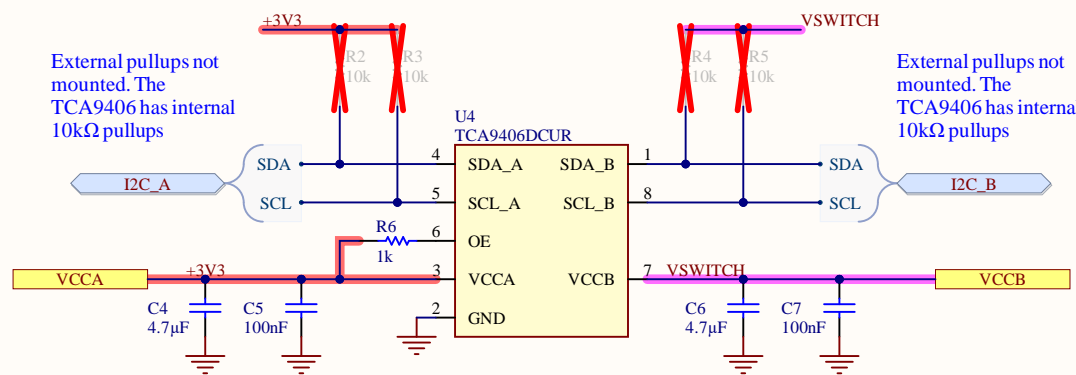
GROVE  
UART

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Title: <b>CONNECTORS</b>			
ID: ASX00061	Version: V0.7		
Date: 29/04/2025	Time: 12:55:02	Sheet 2 of 4	RevAuthor: Silvio Navaretti
File: CONNECTORS.SchDoc		Author: Silvio Navaretti	

A SIDE  
1.65V to 3.65V  
ESD 2.5kV Human body model

B SIDE  
2.3V to 5.5V  
ESD 8kV Human body model



$VCCA \leq VCCB$  must always be valid  
TCA9406 has internal 10k pullups on both sides

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Title: **Translators OPEN DRAIN**

ID: ASX00061

Version: V0.7

Date: 29/04/2025

Time: 12:55:03

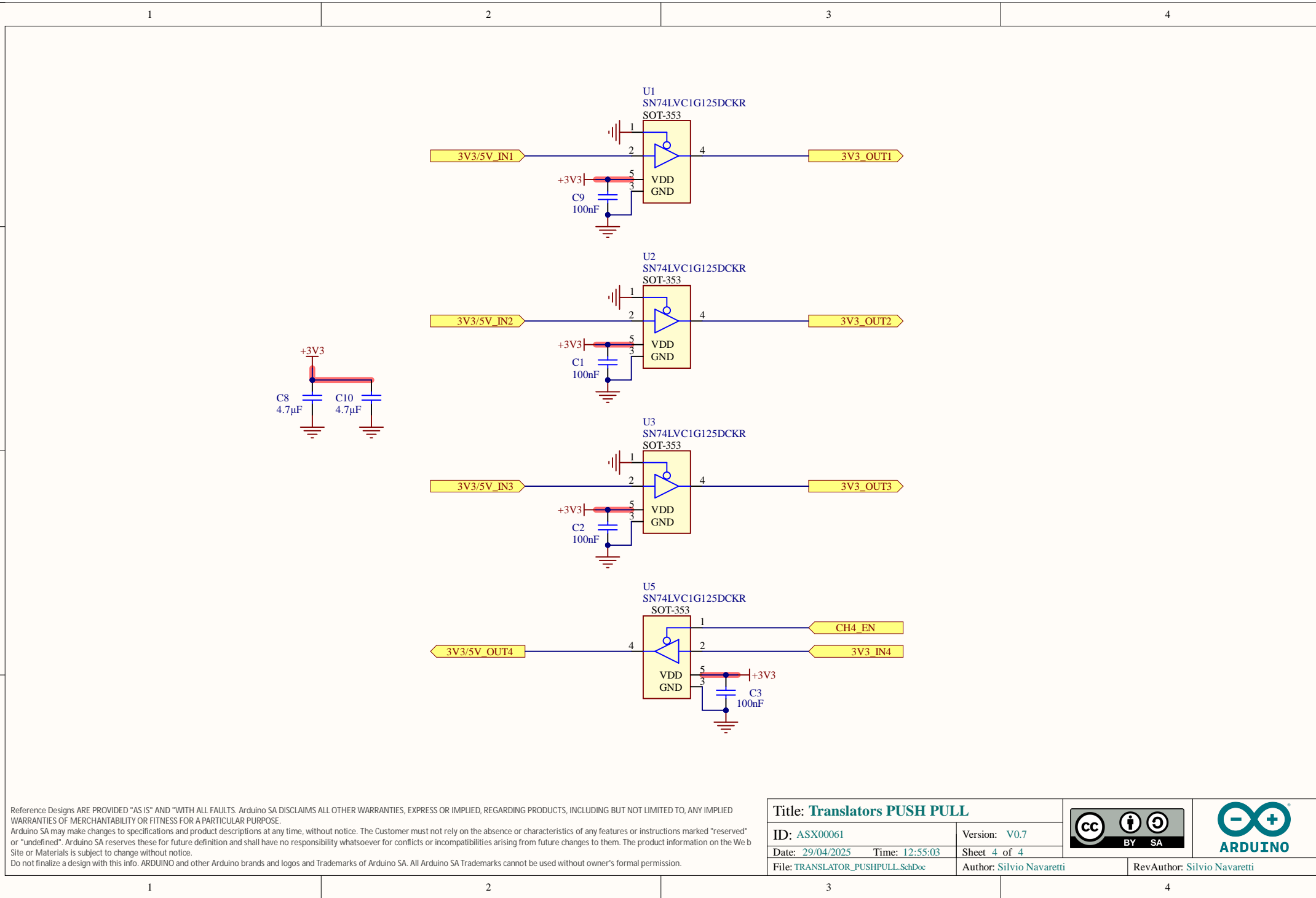
Sheet 3 of 4

File: TRANSLATOR\_OPENDRAIN.SchDoc

Author: Silvio Navaretti

RevAuthor: Silvio Navaretti





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