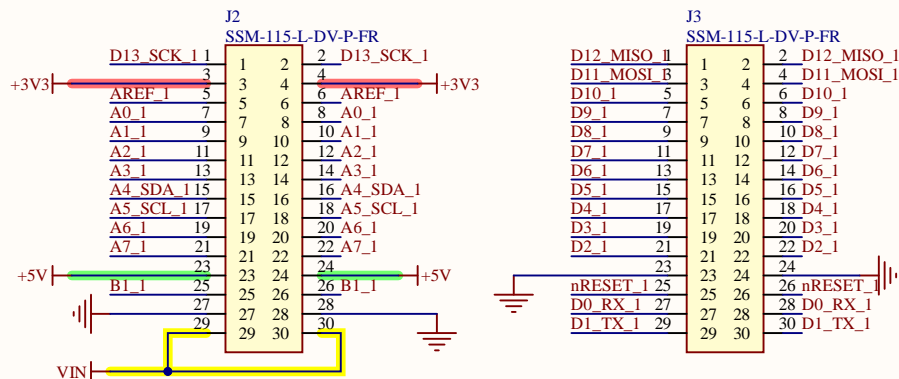
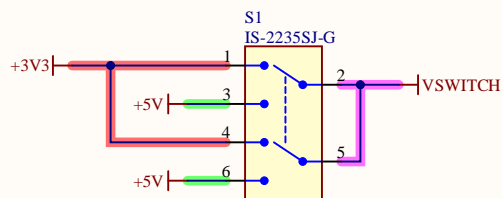


## ARDUINO NANO TOP VIEW



## POWER SWITCH

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

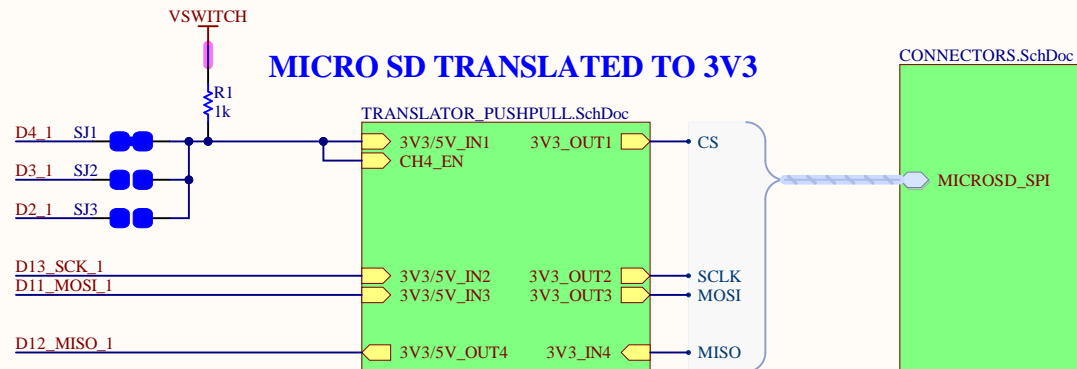


QR1  
QR CODE 4x4mm



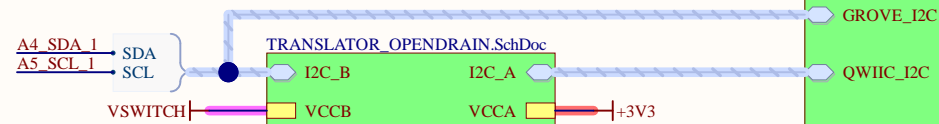
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## MICRO SD TRANSLATED TO 3V3



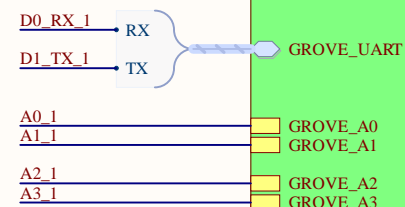
## GROVE I2C IS NOT TRANSLATED

## QWIIC TRANSLATED TO 3V3



## GROVE UART and GROVE ANALOGS are not translated.

Their VDD pins are connected to VSWITCH.



Title: **TOP**

ID: ASX00061

Date: 29/04/2025

File: TOP.SchDoc

Version: **V0.7**

Time: 12:55:01

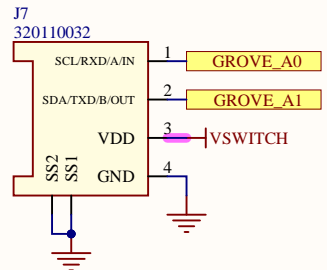
Sheet 1 of 4

Author: Silvio Navaretti

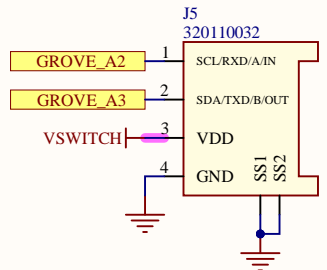


RevAuthor: Silvio Navaretti

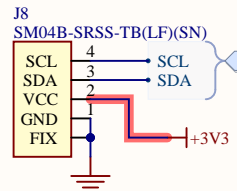
GROVE  
ANALOG A0, A1



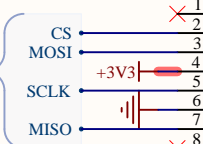
GROVE  
ANALOG A2, A3



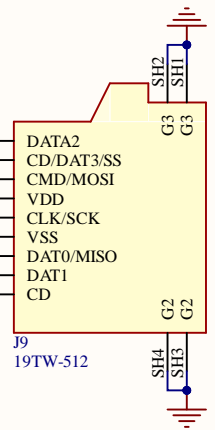
QWIIC I2C  
same as  
GROVE I2C  
and headers  
A4, A5



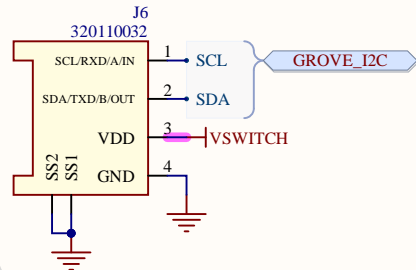
MICROSD\_SPI



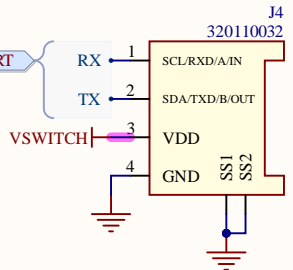
MICRO SD  
CONNECTOR



GROVE I2C  
same as QWIIC  
and headers  
A4, A5



GROVE\_UART



GROVE  
UART

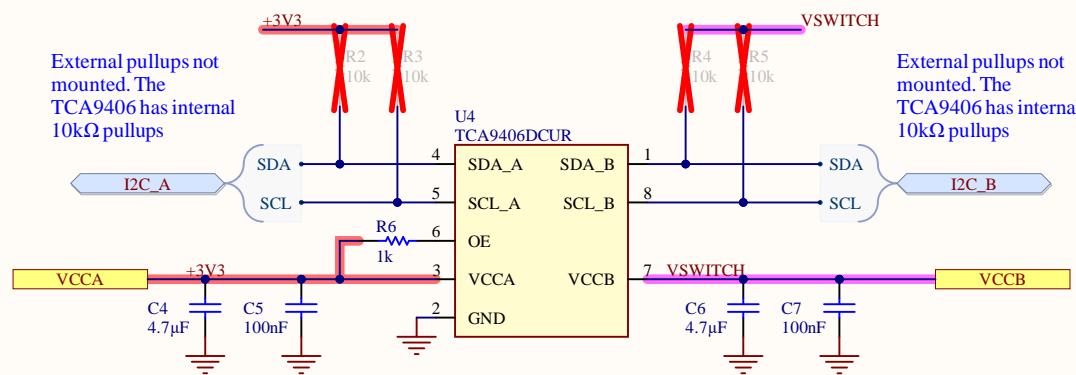
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|                         |                  |                          |                             |
|-------------------------|------------------|--------------------------|-----------------------------|
| Title: CONNECTORS       |            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



