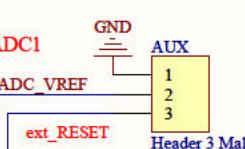
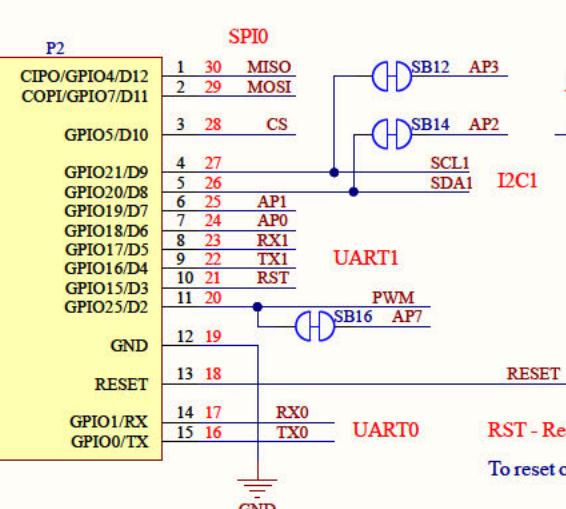
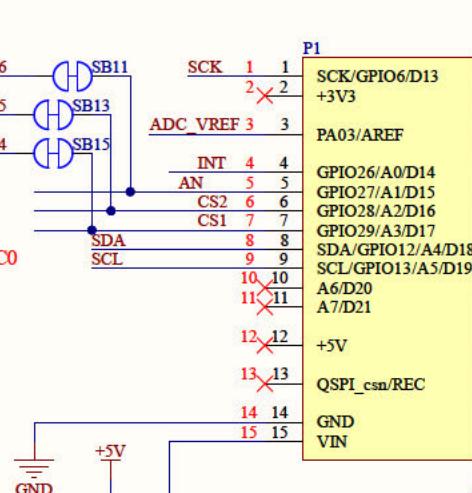


Arduino Nano RP2040



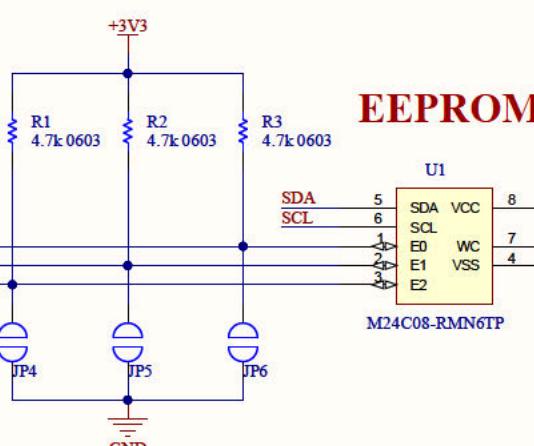
ext_RESET - for using external RESET by pressing the external RESET button (switch)

The module in the NANO slot (Arduino Nano RP2040 or other)

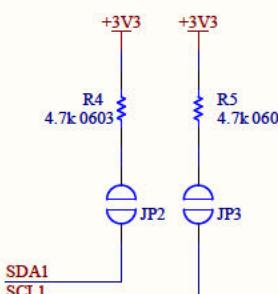
is reset by pressing the internal or external RESET button or Watchdog.

RST - Reset output for inputs of these sockets: M1, M2, M3, BFF, HOST-S

To reset other devices/modules, the RST signal is used, which Arduino Nano RP2040 can generate in software.

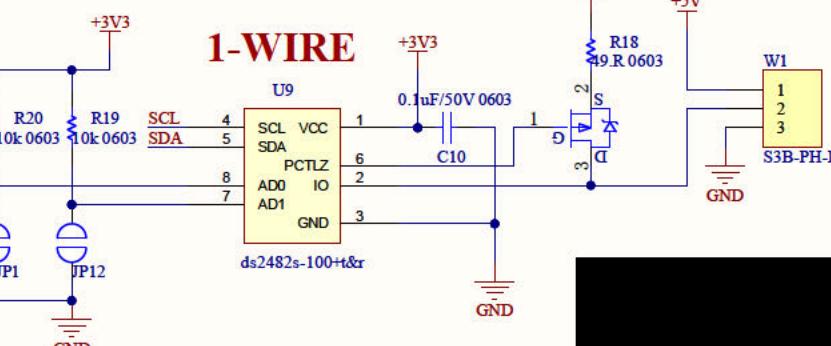


MPN	Capacity	LCSC Part
M24C08-RMN6TP	8Kbit	C141777
AT24C08C-SSHM-T	8Kbit	C31422
M24C64-WMN6TP	64Kbit	C7999
AT24C64D-SSHM-T	64Kbit	C6487



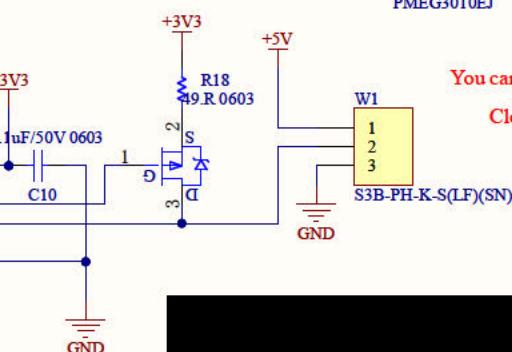
Watchdog IC: Open-drain (3828) or Active-Low (3823), Vth=2.93V, Treset = 200 ms, Twd = 0.9 sec (min)

1-WIRE



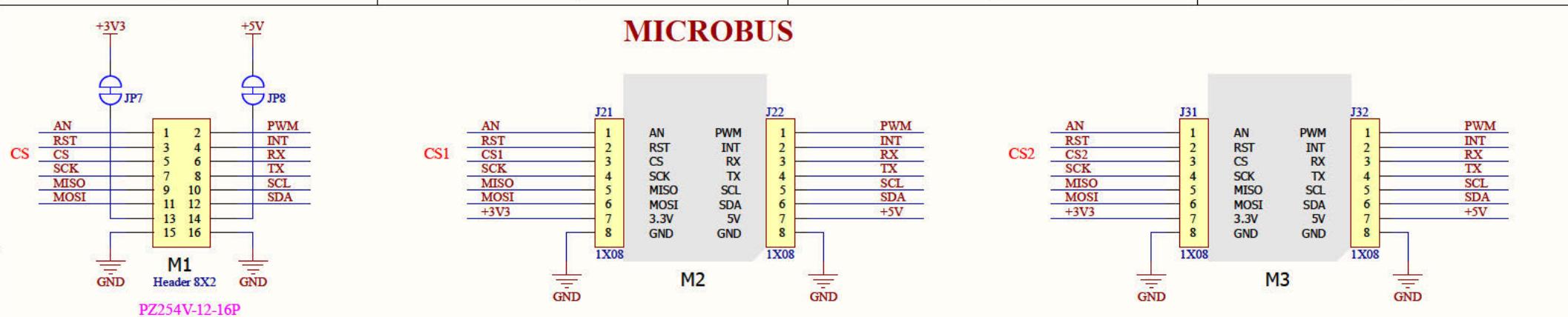
I2C Address Selector
ON - CLOSED - 0, OFF - OPENED - 1

EEPROM I2C Address:
1 0 1 0 E2 E1 E0 x

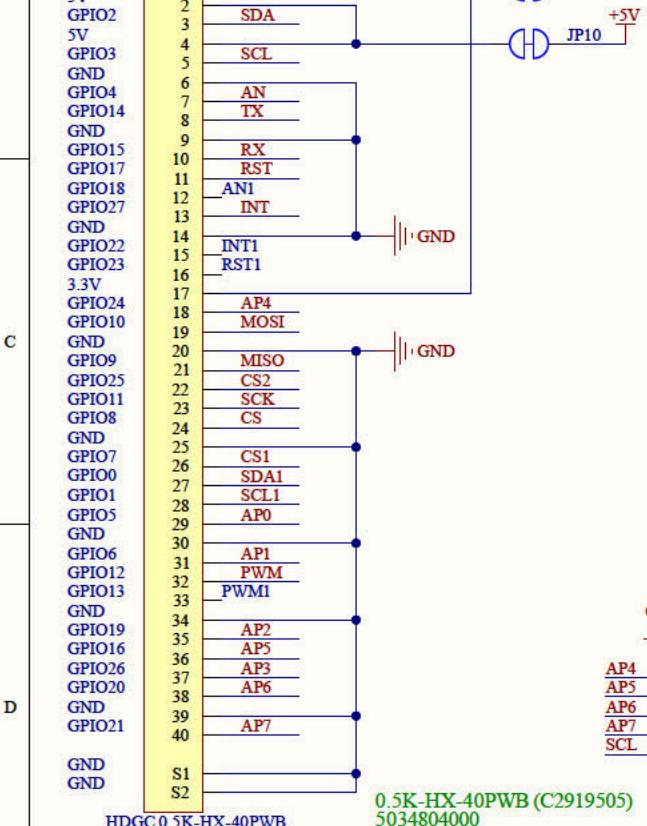


You can use Watchdog (U8) or I2C1 (SDA1) interface only
Close SB10 if you want to use Watchdog (U8)

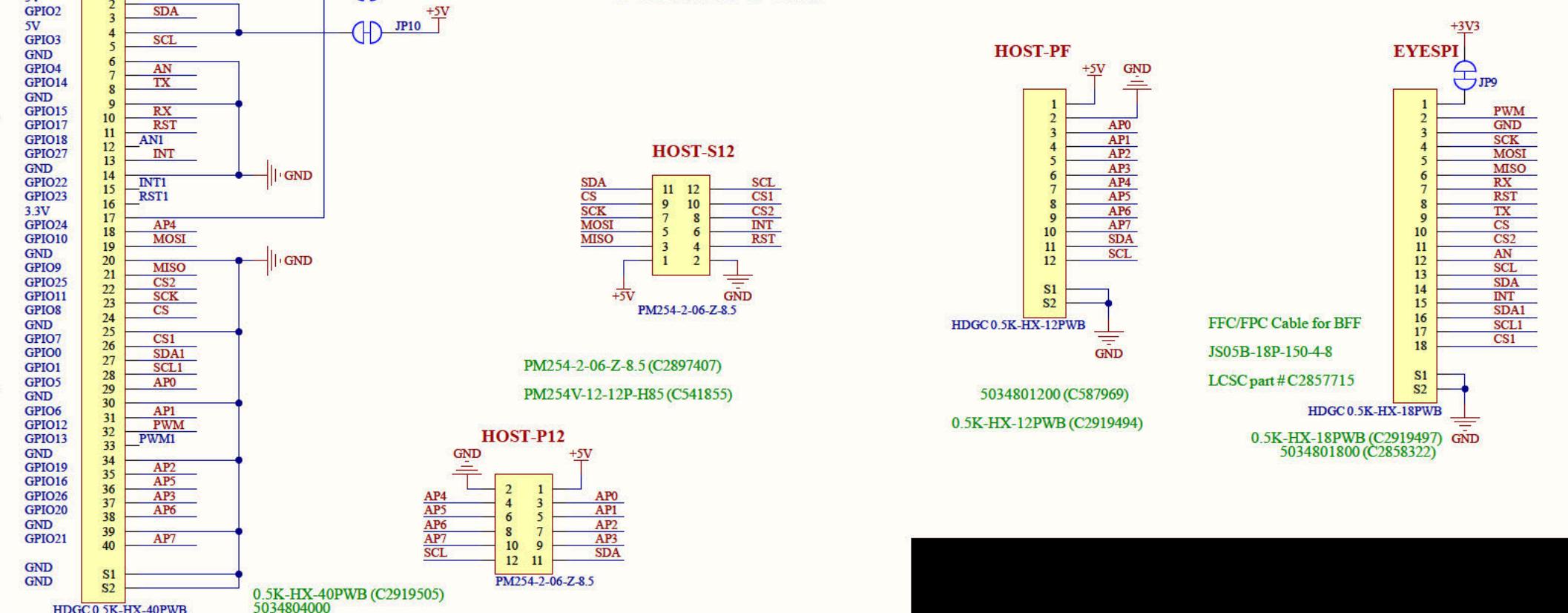
1 2 3 4



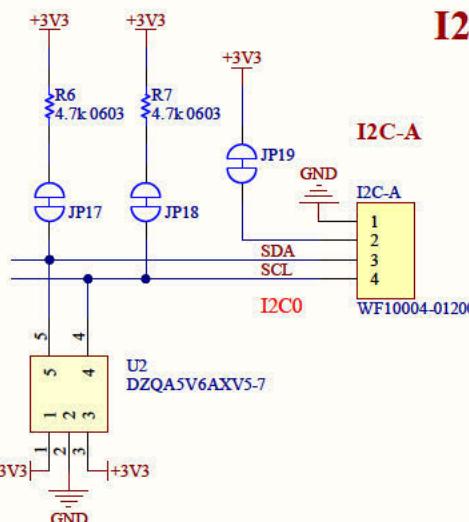
B 3.3V 5V GPIO2 5V GPIO3 GND GPIO4 GPIO14 GND GPIO15 GPIO17 GPIO18 GPIO27 GND GPIO22 GPIO23 3.3V GPIO24 GPIO10 GND GPIO9 GPIO25 GPIO11 GPIO8 GND GPIO7 GPIO10 GND GPIO1 GND GPIO5 GND GPIO6 GPIO12 GPIO13 GND GPIO19 GPIO16 GPIO26 GPIO20 GND GPIO21 GND GND GND HDGC 0.5K-HX-40PWB



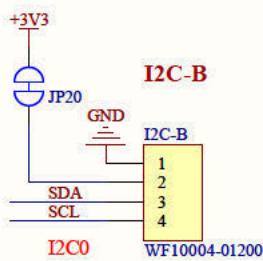
CONNECTORS



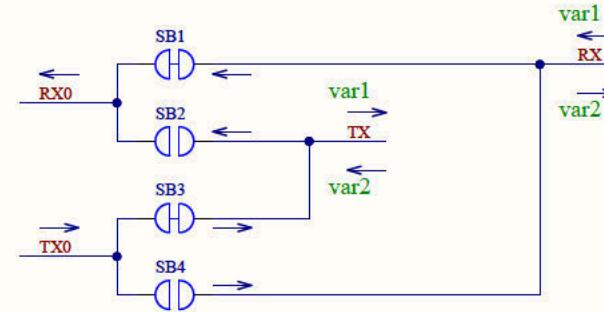
1 2 3 4



I2C



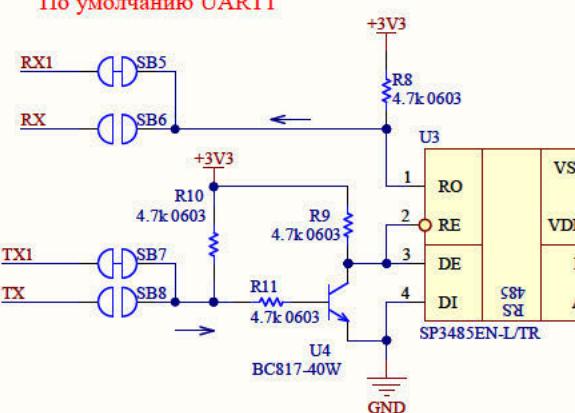
RX0-NANO input



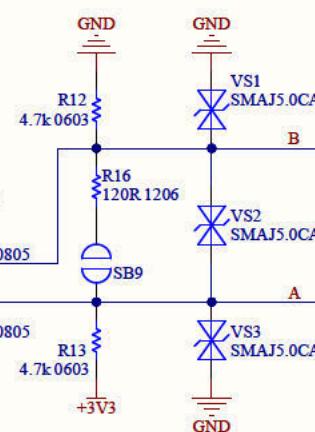
var1-(default) - SB1 and SB3 closed, TX - mezzanine input, RX - mezzanine output
var2- SB2 and SB4 closed, TX - mezzanine output, RX - mezzanine input

RS485

По умолчанию UART1



SMAJ5.0CA



Plug-in for RS485
XY2500F-G-3.5-3P
LCSC part # C560213

1

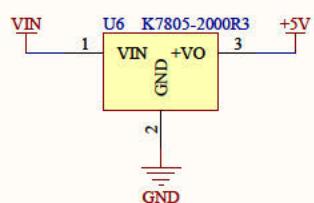
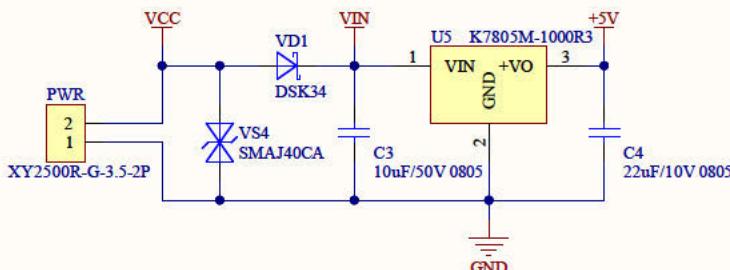
2

3

4

+5V Power Supply

9...36VDC
Plug-in for J2
XY2500F-G-3.5-2P
LCSC part # C560212



USUALLY
1A - U5
2A - U6
3A - U5

A

A

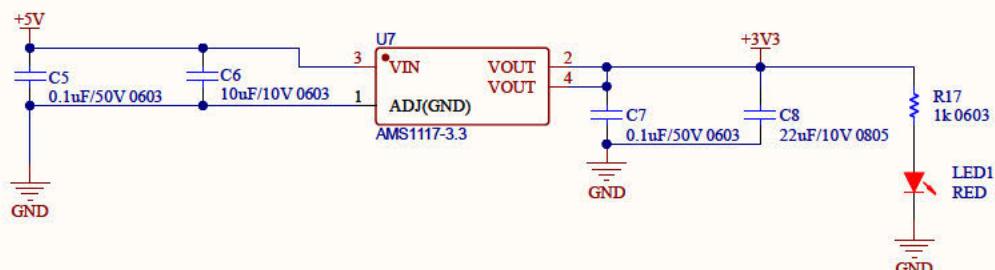
B

B

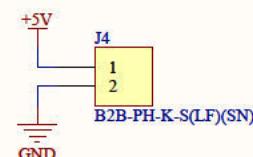
C

C

+3.3V Power Supply



Power Connector



1

2

3

4