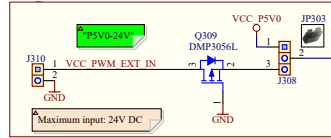


External Peripherals

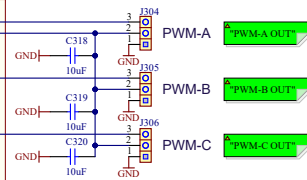
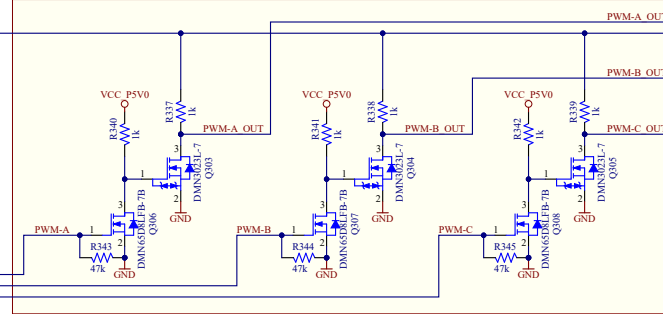
After connecting voltage to the EXT input (J310), move jumper from pins 1-2 to pins 2-3 on pin-header J308.

VCC PWM POWER SELECTION

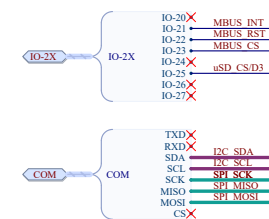
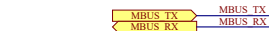


Q309 for polarity protection on external voltage domain.

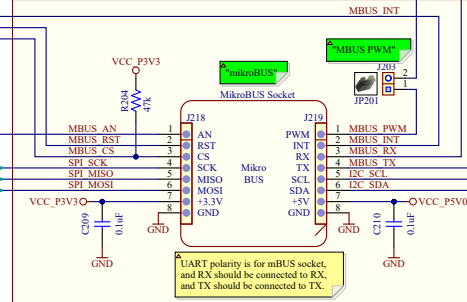
PWM SERVO MOTOR DRIVER



PWM SERVO/RGB-LEDSTRIP Driver:
Inverters, ensuring correct polarity; Q306, Q307, and Q308.
High-current drivers; Q303, Q304, and Q305.

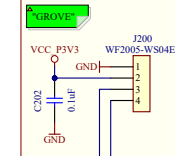


microBUS™ SOCKET

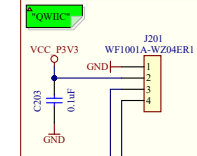


Remove JP201 to disconnect PWM from mikroBUS socket.

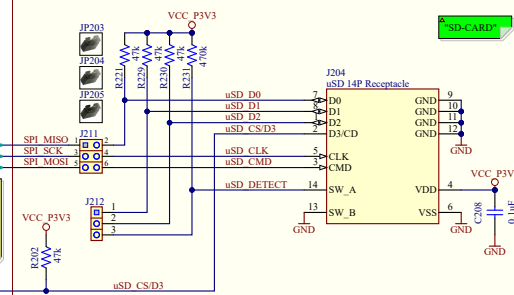
I²C GROVE CONNECTOR



I²C QWIIC® CONNECTOR



MICROSD CARD SOCKET



To use microSD Card with SD/MMC host controller:
- Disconnect SPI bus by removing JP203, JP204, and JP205.
- Connect microSD Card interface directly to SD/MMC module pins.

Project Owner: AH
PCB Layout Contact: TF, VL
PartNumber: EV58G97A
Project Title: Curiosity Nano Explorer
Variant: Default Assembly
Sheet Title: External Peripherals
Size: A3
SCH #: 02-00650
Rev: 4
Date: 2025-01-31
PCB #: 04-11720
Rev: 3
Sheet 8 of 11
File: Curiosity Nano Explorer External Peripherals.SchDoc

MICROCHIP

Designed with Altium