

Computer Vision / L476 board

Control of computer vision bench / Dobot conveyor

Functions

- **Step Motor Control (x2)**
 - Step Motor Driver – TMC2100
- **RF data transmission**
 - *RN41/42 – Evaluation Board XV*
- Position sensor *SEN0239* (x3)
- Light control (x3 – R / G / B)

Based on Nucleo L476RG board

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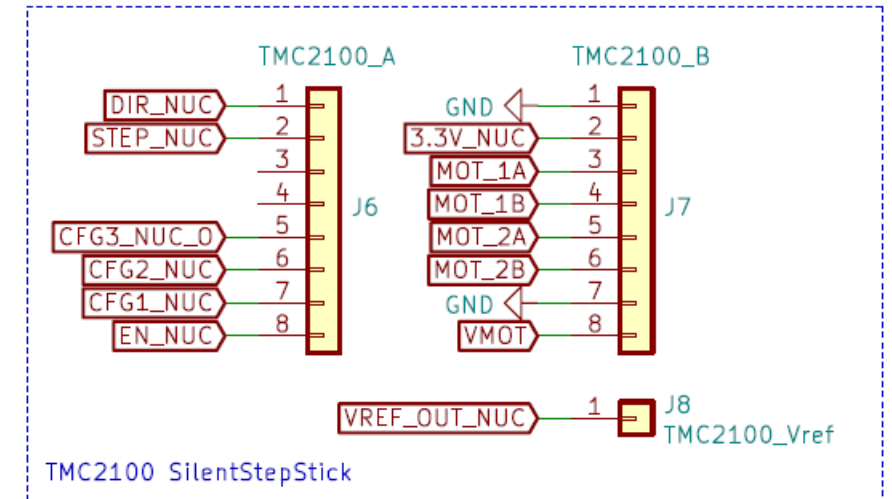
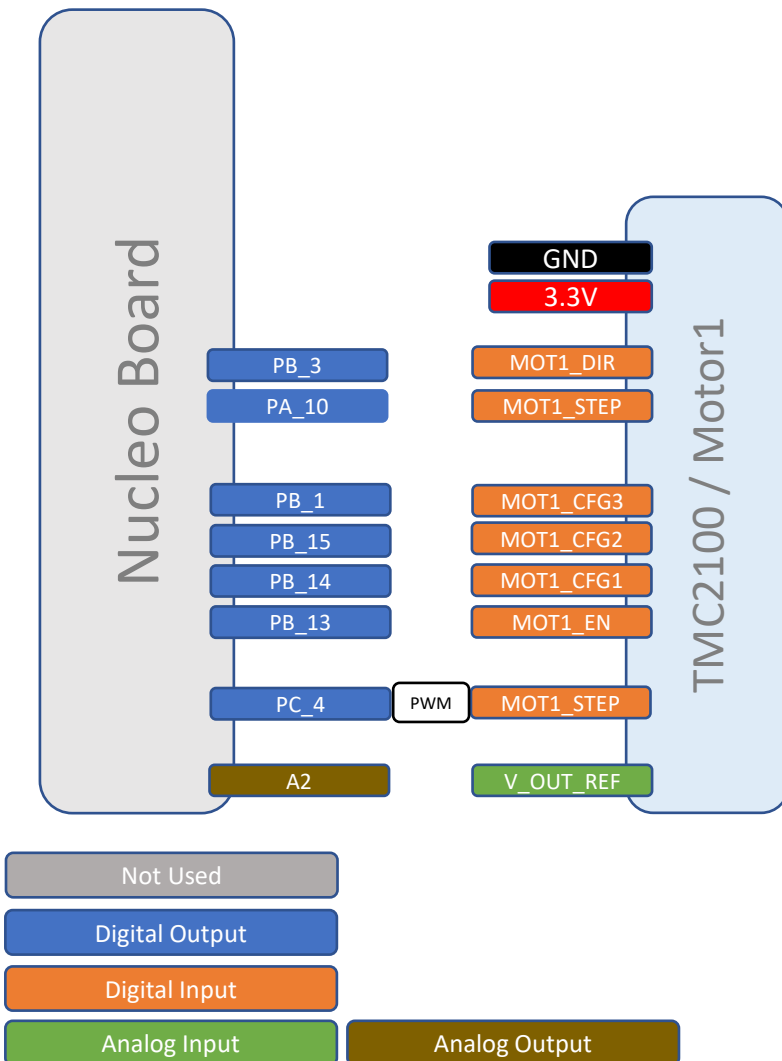


* Must be set as input

TMC2100 – Step Motor Driver

Step Motor Driver / Motor 1 / TMC2100

MBED6 Library : https://github.com/ILOGS-LEnsE-embedded/MBED6_SupOpLibraries/tree/main/TMC2100



nRF24 – RF transmission

nrF24L01 module for RF data transmission

MBED6 Library : https://github.com/I0GS-LEnsE-embedded/MBED6_SupOpLibraries/tree/main/nRF24

