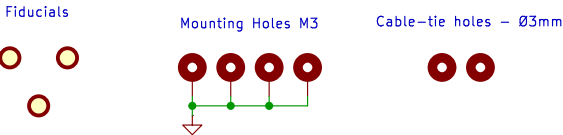
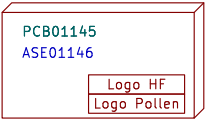
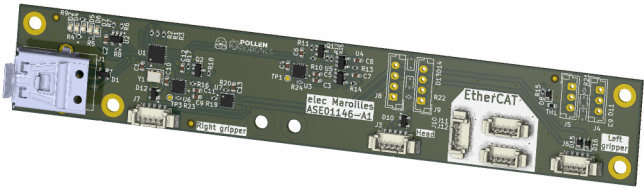
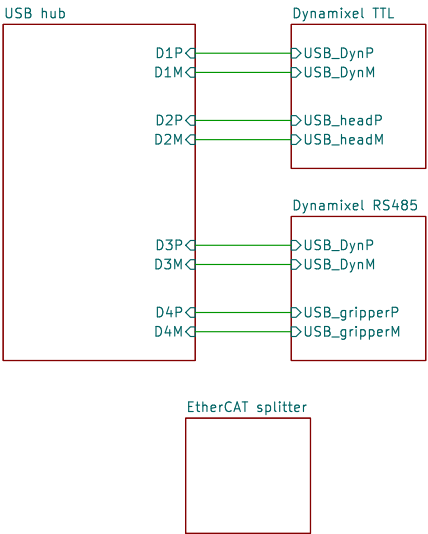




"elec_maroilles" is USB 2.0 hub built with lockable USB connectors. It provides also Dynamixel TTL and Dynamixel RS485 converters and the associated connectors for Reachy 2's grippers and antennas.

Release	Date	Designer	Check	Comments
A1	02/12/2025	EB	SN	Initial drawing





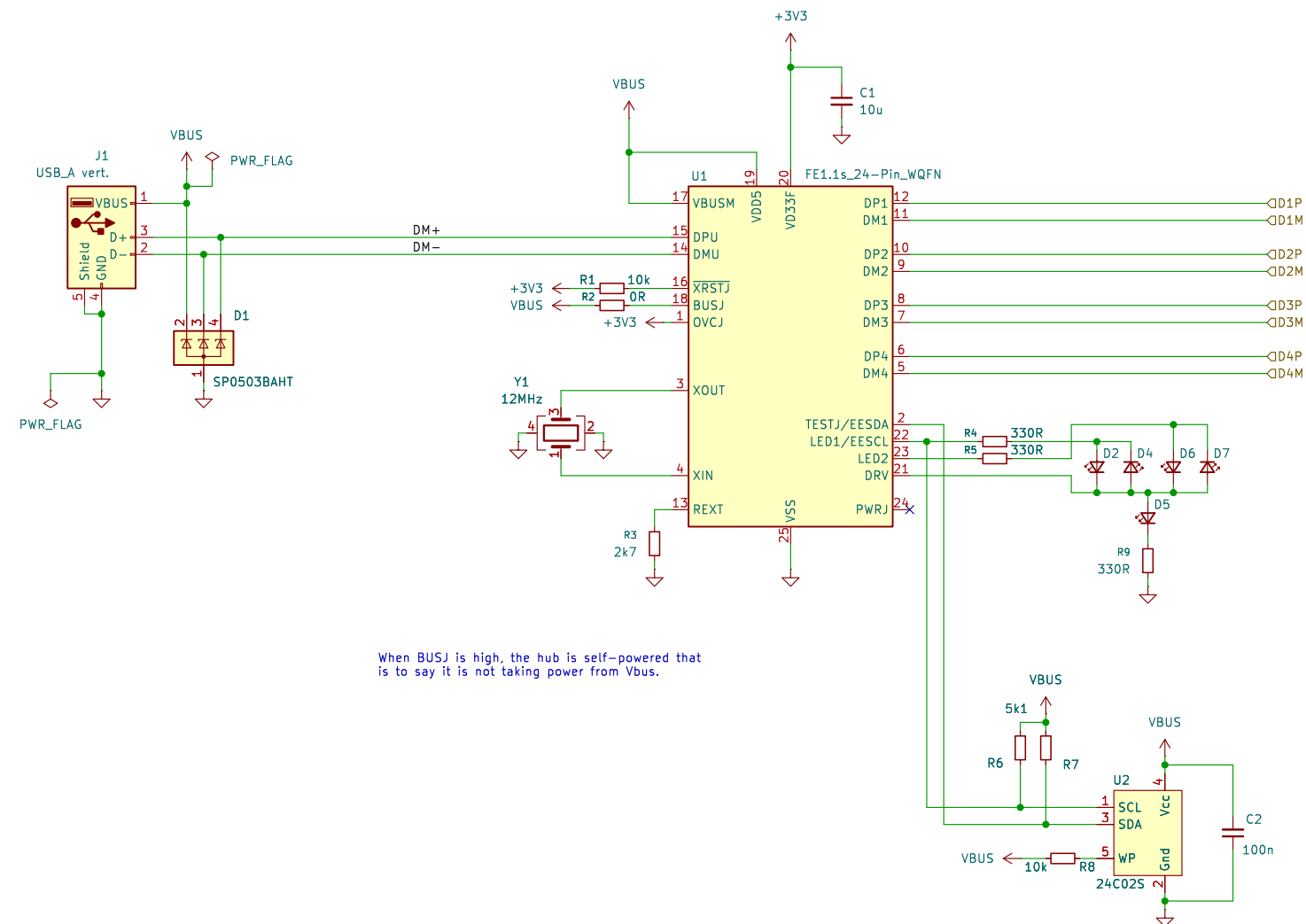
Pollen Robotics / Hugging Face

Sheet: /
File: elec_maroilles.kicad_sch

Title: elec_maroilles

Size: A4	Date: 2025-12-02	Rev: A1
KiCad E.D.A. 9.0.6		Id: 1/5

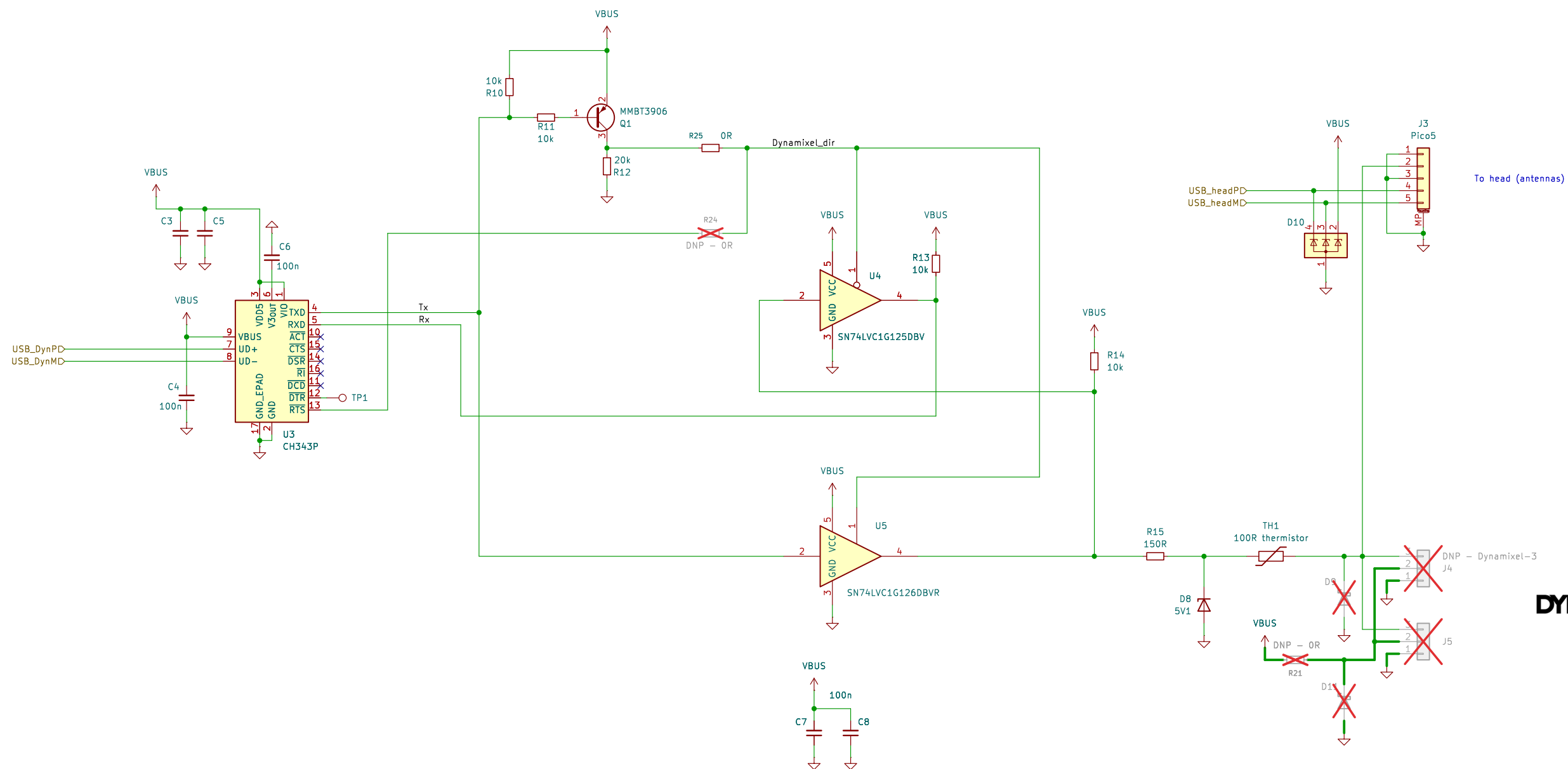
USB 2.0 hub



When BUSJ is high, the hub is self-powered that is to say it is not taking power from Vbus.

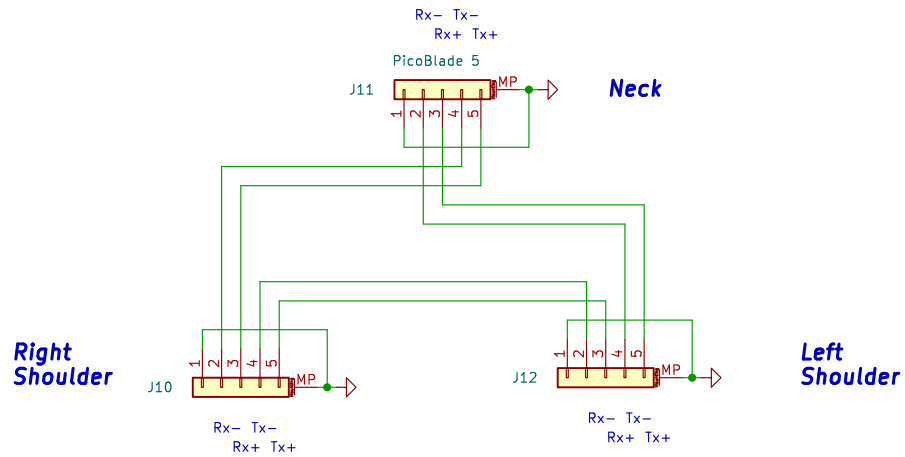


Dynamixel TTL



DYNAMIXEL





Pollen Robotics / Hugging Face

Sheet: /EtherCAT splitter/

File: ethercat_splitter.kicad_sch

Title: elec_maroilles

Size: A5

Date: 2025-12-02

Rev: A1

KiCad E.D.A. 9.0.6

Id: 5/5

Dynamixel RS485



See: https://emanual.robotis.com/docs/en/parts/interface/dynamixel_shield/ as a reference.