

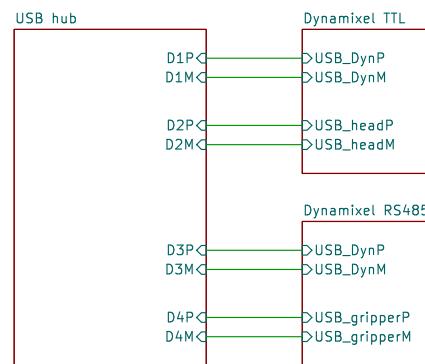
"elec_maroilles" is USB 2.0 hub built with lockable USB connectors. It provides also Dynamixel TTL and Dynamixel RS485 converters and the associated connectors for Reachy 2's grippers and antennas.

A

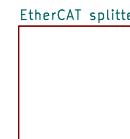
Release	Date	Designer	Check	Comments
A1	02/12/2025	EB	SN	Initial drawing

A

B

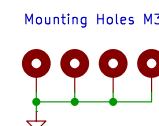
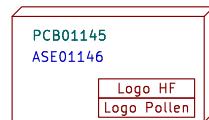


C



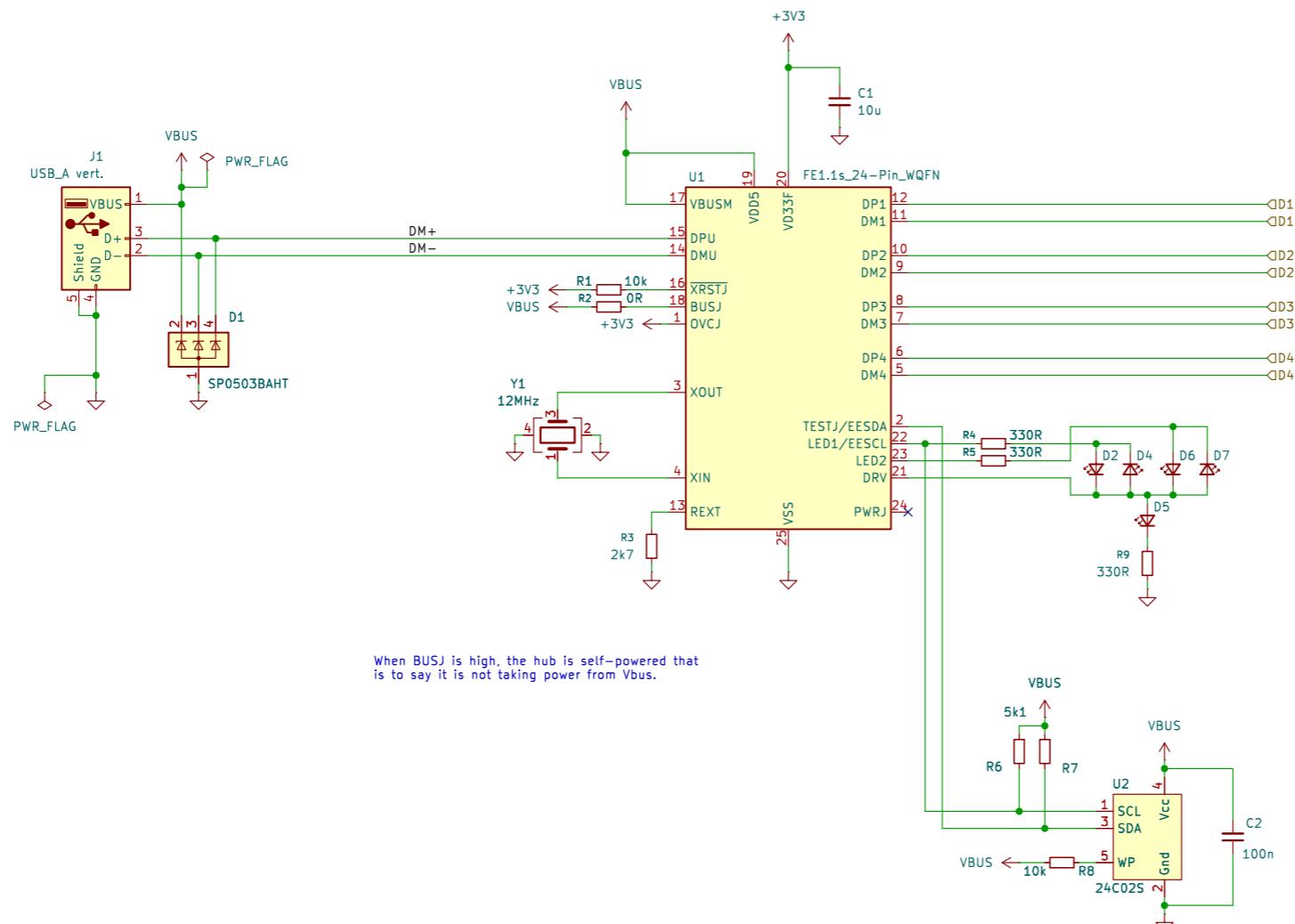
B

D

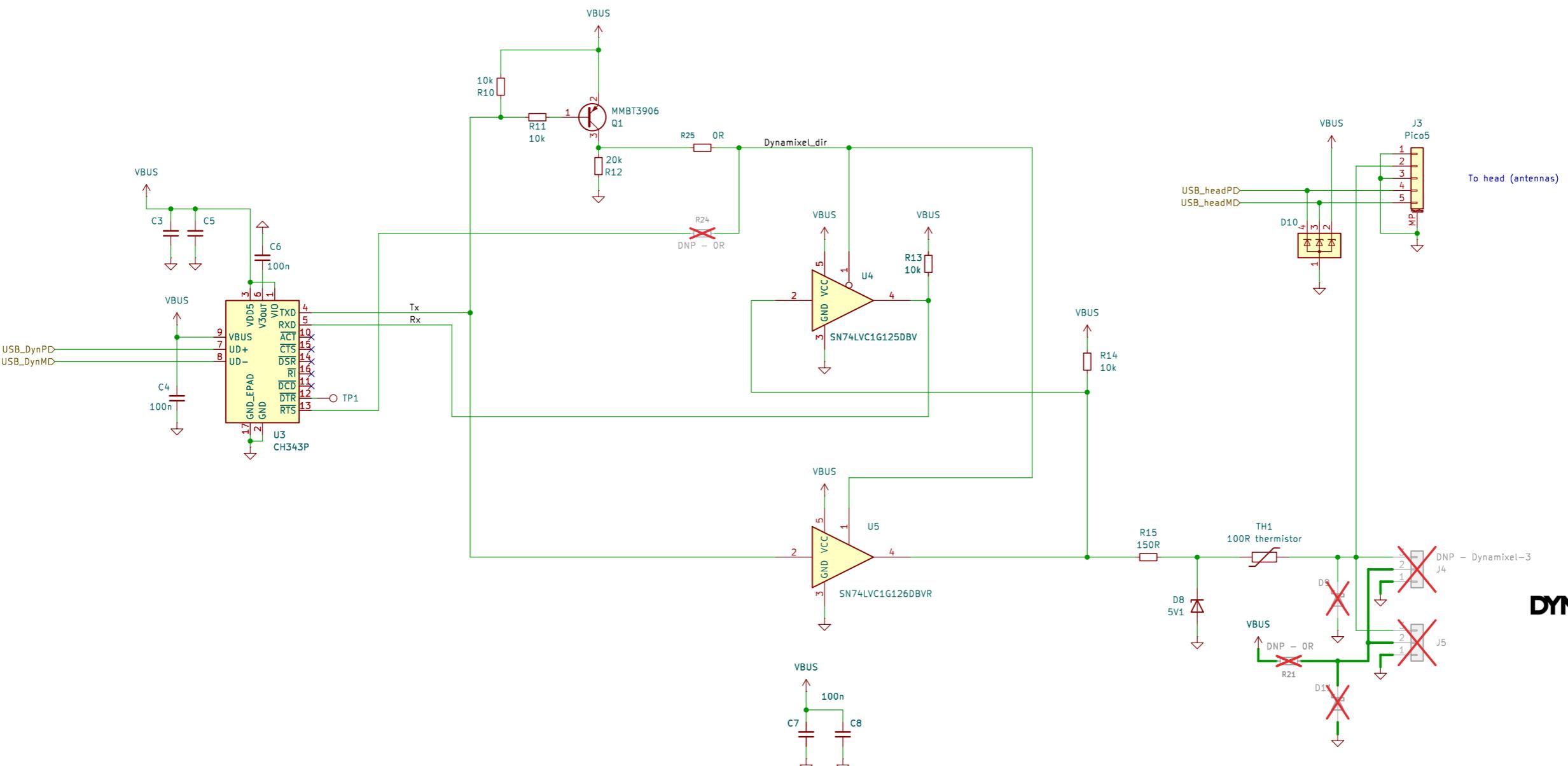


 POLLEN ROBOTICS		
Pollen Robotics / Hugging Face Sheet: / File: elec_maroilles.kicad_sch		
Title: elec_maroilles		
Size: A4	Date: 2025-12-02	Rev: A1
KiCad E.D.A. 9.0.6		Id: 1/5

USB 2.0 hub



Dynamixel TTL



DYNAMIXEL

 **POLLEN**
ROBOTICS



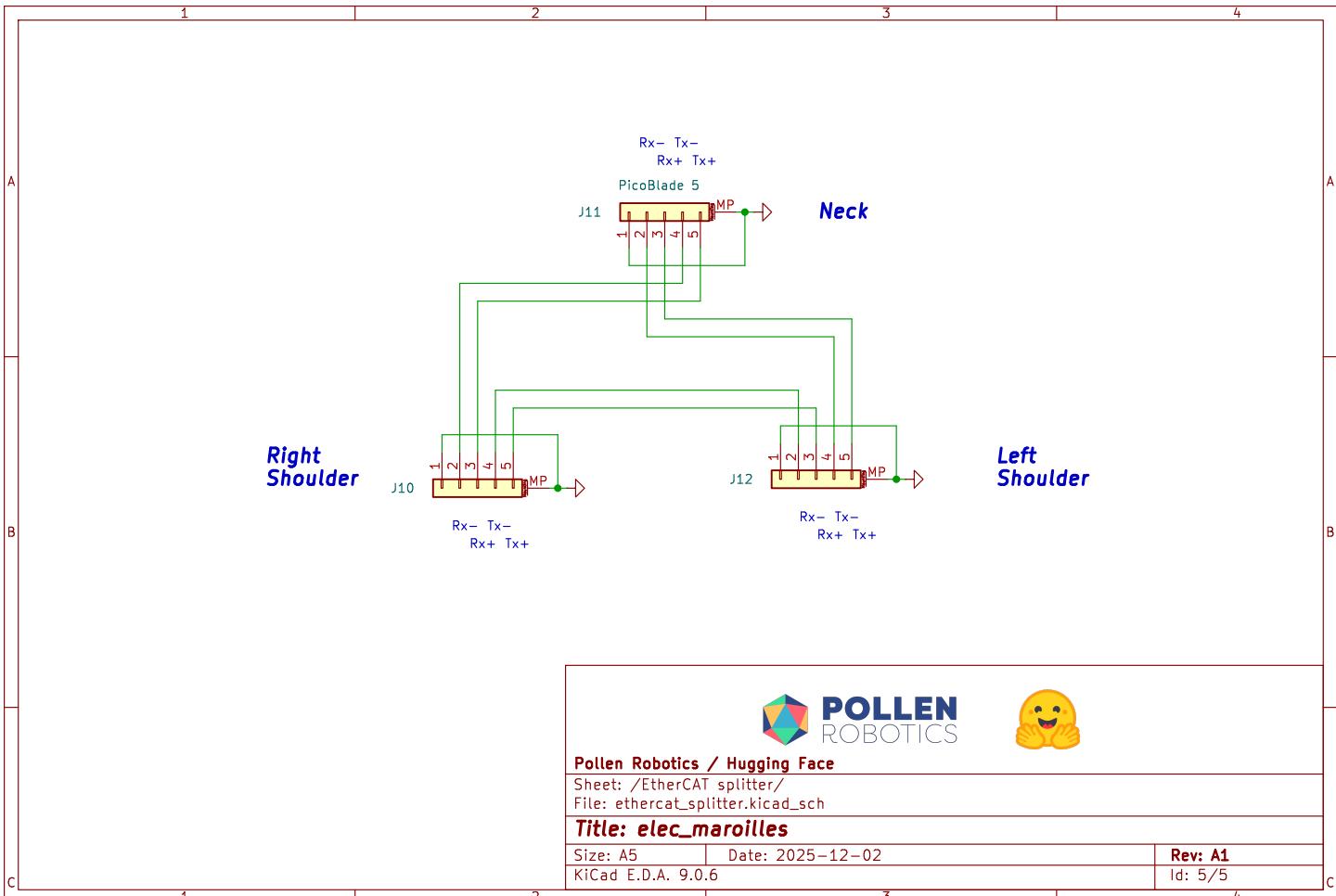
Pollen Robotics / Hugging Face

Sheet: /Dynamixel TTL/
File: dynamixel_3.kicad_sch

Title: elec_maroilles

Size: A3 Date: 2025-12-02
KiCad E.D.A. 9.0.6

Rev: A1
Id: 4/5



Pollen Robotics / Hugging Face

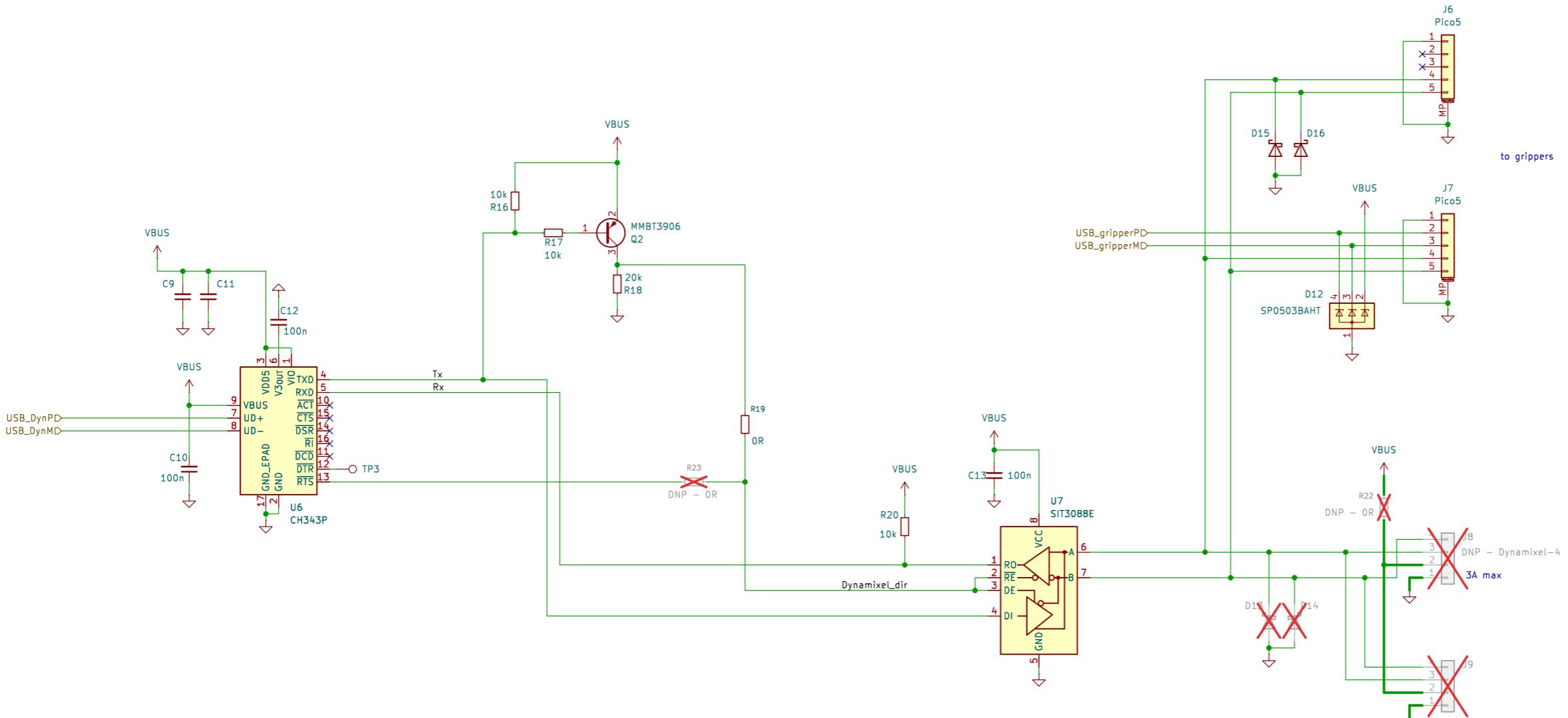
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File: ethercat_splitter.kicad_sch

Title: elec_maroilles

Size: A5	Date: 2025-12-02
KiCad E.D.A. 9.0.6	

Rev: A1
Id: 5/5

Dynamixel RS485



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

DYNAMIXEL

 **POLLEN**
ROBOTICS



Pollen Robotics / Hugging Face

Sheet: /Dynamixel RS485/

File: dynamixel_4.kicad_sch

Title: elec_maroilles

Size: A3 Date: 2025-12-02

KiCad E.D.A. 9.0.6

Rev: A1

Id: 5/5