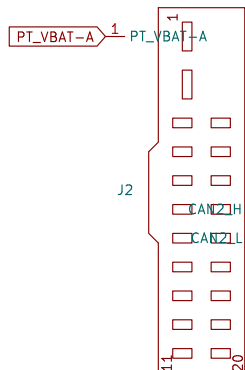


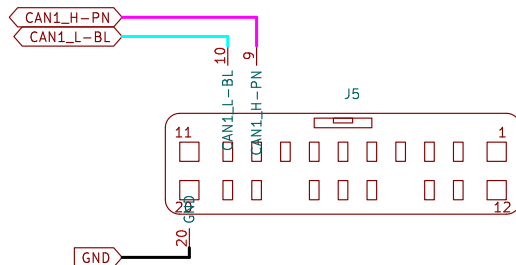
TO AUTOPILOT

Sumitomo 6099-0401
Pin 15, 16, 17, 18 : 8100-3636
Pin 1 : 8240-4932
Looking at the back of the connector



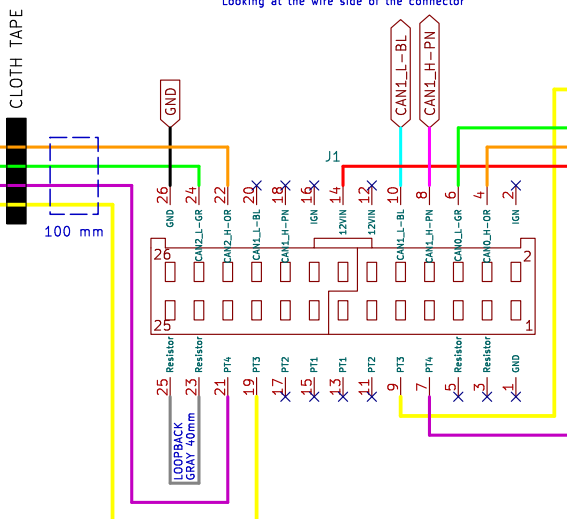
TO EXTRA BUS

Sumitomo 6098-5629
Pin 9, 10 : 8100-3625
Pin 20 : 8240-0263



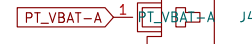
TO HARNESS BOX

Molex: 5016462600
Pins: 501647-1000
Looking at the wire side of the connector

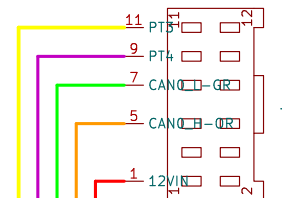


TO HARNESS

Sumitomo 6098-0824
Pin 1 : 8240-4932
Looking at the back of the connector



Molex 501646-1200
Pin 1, 5, 7, 9, 11 : 501647-1000
Looking at the back of the connector



WIRE SPECIFICATION (DEFAULT)

- All signal and data wires: 22 AWG (FLRY-B 0.35 mm²)

EXCEPTIONS

- PT-VBAT: 12 AWG (FLRY-B 4.0 mm²), Length = 100 mm

BRANCHING AND WRAPPING INSTRUCTIONS

- 1) Sumitomo 6099-0401 → Molex 5016462600
 - Collect all wires into one branch
 - Wrap branch with cloth tape
- 2) Molex 5016462600 → Sumitomo 6098-0824
 - Collect all wires into one branch
 - Wrap branch with cloth tape
- 3) Sumitomo 6098-5629 → Molex 5016462600
 - Wires: CAN1_H (PN), CAN1_L (BL), GND
 - Length = 750 mm each
 - Wrap completely with cloth tape (from connector to connector, no gaps)

Konik.ai



Title: Tesla_A-HW4 V2

Design by:

Rev:

Size: A4

Date: 24.08.2025

Sheet: 1 / 1