### Description Connector Pinout

#### LV connectors
- **PWR/CAN, data logger side**: Binder 99 3431 202 04
  - Pin 1: V+
  - Pin 2: GND
  - Pin 3: CANH
  - Pin 4: CANL

- **Ethernet / PoE, data logger side**: Binder 99 3482 202 08
  - Pin 1: TD_N (Ethernet TX-)
  - Pin 2: RD_P (Ethernet RX+)
  - Pin 3: RD_N (Ethernet RX-)
  - Pin 4: FSAEReserved
  - Pin 5: reserved (leave open)
  - Pin 6: reserved (leave open)
  - Pin 7: TD_P (Ethernet TX+)
  - Pin 8: GND

#### HV connectors
- **HV-, data logger side**: Nickel-plated brass shaft, only use UNI 5587 M10 x 1.25 nuts and a tab washer for locking.
  - Max lug contact diameter 18mm.
  - Max lug thickness 1.5mm
  - Lug P/N example: TE 160032

- **HV+, data logger side**: Molex 39-01-2026
  - Pin 1: HV+
  - Pin 2: HV+

#### Team/Officials side
- **Ethernet connector (Shielded RJ-45)**
  - Pin 1: TX+
  - Pin 2: TX-
  - Pin 3: RX+
  - Pin 4: FSAEReserved
  - Pin 5: FSAEReserved
  - Pin 6: RX-
  - Pin 7: GND
  - Pin 8: GND

### REVISIONS
- **REV. DESCRIPTION DATE**
  - A Release 15/04/2021
  - B Tables specifies DIN 980 M10x1.25 nuts 07/07/2021
  - C Tables specifies UNI5587 M10x1.25 nuts & tab washer. Added sheet for mounting procedure 04/07/2023
APPLICATION NOTES

1. Place the connector lug over the brass shaft flange.
2. Place the tab washer over the connector lug. The small bended tab is facing the shaft straight face.
3. Tighten the M10x1.25 nut. Max torque: 15Nm.
4. Bend the long tab over a nut's face. Use a plier to deform the tab to best fit the nut.