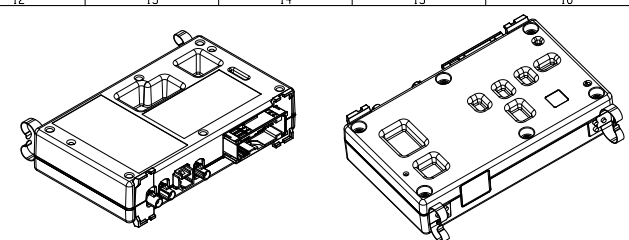
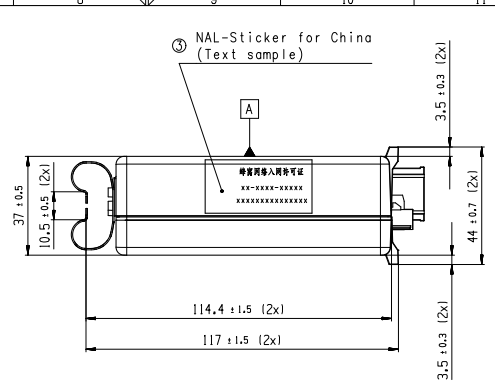
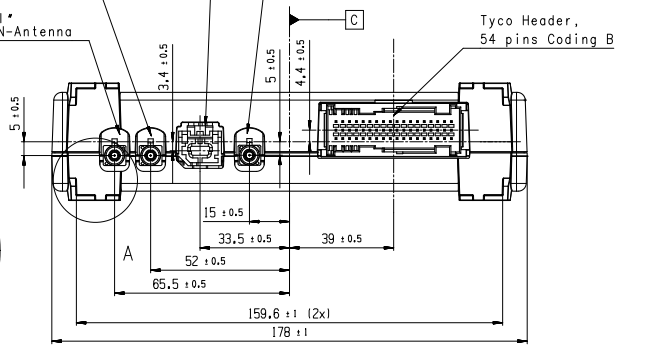
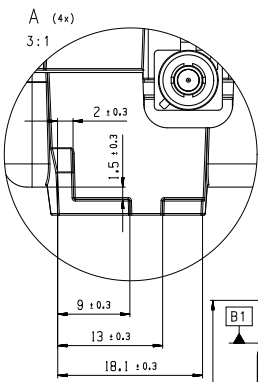
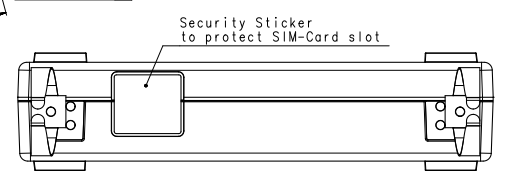
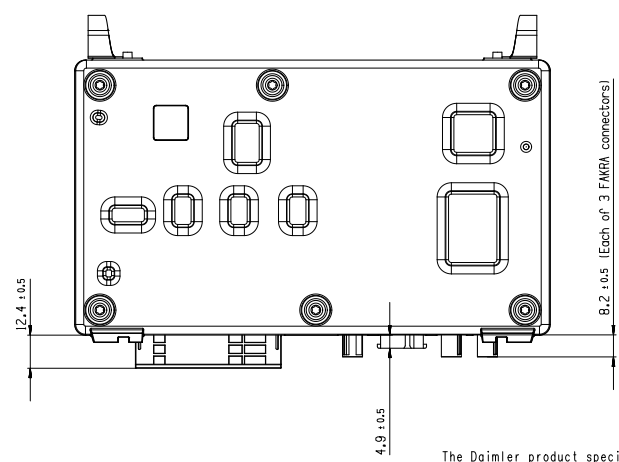
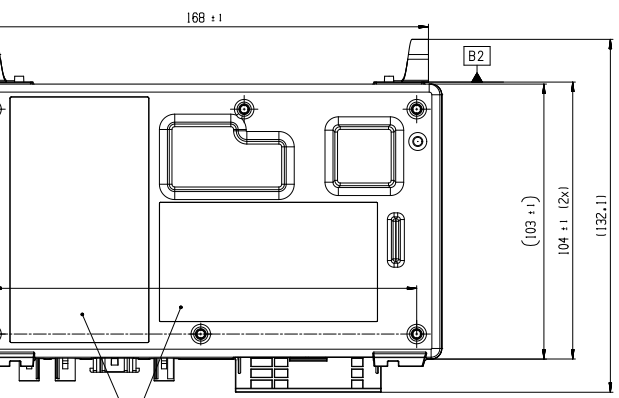


FAKRA HF TYPE *D* Plug for GSM-Antenna
FAKRA HF TYPE *C* Plug for GPS-Antenna
USCAR USB-Header (Type Mini-B)
Tyco Header, 54 pins Coding B



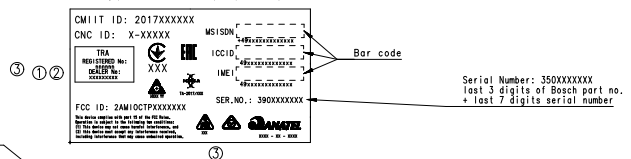
| Receptor Pins Function | |
|------------------------|---------------------|
| 1 | KL.30 (UBAT) |
| 2 | KL.30 (UBAT) |
| 3 | CAN3_GND |
| 4 | CAN3_L |
| 5 | KL.15 (IGNITION) |
| 6 | CAN1_GND |
| 7 | CAN1_GND |
| 8 | DIGITAL_IN4_GND |
| 9 | DIGITAL_IN3 |
| 10 | LINE_OUT_GND |
| 11 | LINE_OUT_RIGHT |
| 12 | RS232_DTE_TXD |
| 13 | RS232_DTE_RXD |
| 14 | RS232_DTE_CTS |
| 15 | RS232_RTS |
| 16 | RS232_CTS |
| 17 | LS_SWITCH_2_GND |
| 18 | LS_SWITCH_2 |
| 19 | KL.31 (GND_Z) |
| 20 | KL.31 (GND_Z) |
| 21 | CAN3_H |
| 22 | CAN2_GND |
| 23 | CAN2_GND |
| 24 | CAN1_H |
| 25 | DIGITAL_IN5_GND |
| 26 | DIGITAL_IN3 |
| 27 | DIGITAL_IN2_GND |
| 28 | DIGITAL_IN1 |
| 29 | LINE_OUT_LEFT |
| 30 | VOLTAGE_MEASURE_GND |
| 31 | RS232_DTE_RTS |
| 32 | RS232_DTE_DTR |
| 33 | RS232_RXD_IN |
| 34 | RS232_TXD_OUT |
| 35 | LS_SWITCH_1_GND |
| 36 | LS_SWITCH_1 |
| 37 | KL.31 (GND_Z) |
| 38 | KL.31 (GND_Z) |
| 39 | CAN3_GND |
| 40 | CAN2_H |
| 41 | CAN2_L |
| 42 | CAN1_L |
| 43 | DIGITAL_IN5 |
| 44 | DIGITAL_IN3_GND |
| 45 | DIGITAL_IN2 |
| 46 | DIGITAL_IN1_GND |
| 47 | VOLTAGE_MEASURE |
| 48 | RS232_DTE_DSR |
| 49 | RS232_DTE_DCD |
| 50 | RS232_DTE_R1 |
| 51 | RS232_DTE_GND |
| 52 | RS232_GND |
| 53 | K_LINE |
| 54 | AUDIO_MUTE |



MATERIALS
COVER: GD AISi9Cu3 DIN 1706 or ADC 12 lead free
BASE PLATE: GD AISi9Cu3 DIN 1706 or ADC 12 lead free
SPRING: DIN EN 10088 1.4310 (X10CrNi18-8 K1)
SCREW: DIN 10263, 1.5525, Plating: Zn-Ni
CONNECTORS: Main-Connector: Company: Tyco
Housing: PA46-GF30
Contacts: CuFe2P and CuMg0.1 / Plating Sn over Ni
USB-Connector: Company: Molex
Housing: SPS, glass filled
Contacts: Copper alloy / Plating: Au over Ni
Shell: Copper alloy / Plating: Tin over Ni
Fakra-Connectors: Company: Rosenberger
Housing: PA 6T/66
Dielectric: PA 6T/66
Center contact: Brass / Plating: AuroDur® gold plated
Outer contact: Zinc alloy / Plating Tin over Ni

The Daimler product specification A 003 009 62 99 for housing size 3 has to be considered.
Spring constant of the retaining spring (based on two springs): 20N/mm ± 5 N/mm
1. Spring deflection 3mm --->
2. Spring deflection 5mm --->
Spring force based on two springs: 60N ± 15N
Spring force based on two springs: 100N ± 25N

Type Sticker (2 parts)



Customer product name

Hardware Version

XXXX - pcb insertion variant

GZZ - layout version of raw pcb

Customer product no.

Daimler revision

Data matrix code in acc. ECC 200

Label according to MBN 10435
Data Matrix Code (DMC) content according to MBN 10495

Data matrix code in acc. ECC 200 code
Label size: 18x18
Total size: 84x84
Content of Data Matrix Code:
last 7 digits serial number
10 digits product number
4 digits plant code

Nominal voltage: 12V or 24V
Test voltage: 24V
Operating voltage: 10.8V to 31.2V
Operating temperature: -40°C to 60°C (full operation, see also CTP-4958, CTP-3856)
Operating temperature: 60°C to 75°C (limited operation, CAN alive until components are at max. temp. of 85°C)
Storage temperature: -40°C to 85°C
Type of protection: IP30 in accordance with DIN EN 60529 (applies for the connectors), IP31 in accordance with DIN EN 60529 (excluded the connectors but with possibly refurbishment for further use)

Weight ca.: 650g

Set shown without package
This drawing gives only the most essential mounting measures.

The given tolerances are for acceptance purposes.
The addition of tolerances given in the part drawings result if applicable in other values.

The base plane "A" to be determined with 4 points

Size acc. to / Base nach ISO 14405-1:2010-12
envelope principle/
Hüllprinzip

| | | | | | | | | | |
|---|-----------|----------|---------|------|---|-----|------------|---|---|
| 03 | A25245_01 | 20180424 | cpe/chi | Pe/z | . | 217 | CM-C1/ENP3 | . | . |
| 02 | --- | 20171128 | cpe/chi | Pe/z | . | 217 | CM-C1/ENP3 | . | . |
| 01 | --- | 20171124 | cpe/chi | Pe/z | . | 217 | CM-C1/ENP3 | . | . |
| 00 | --- | 20171121 | cpe/chi | Pe/z | . | 217 | CM-C1/ENP3 | . | . |
| Change/Mod.YYYYMMDD Drawn/Zeich.Checked/Überpr.Released/FreigegebenRev.Mod.Info/Info.Info. | | | | | | | | | |
| Technical details of the drawing are given in the drawing details of the drawing details | | | | | | | | | |