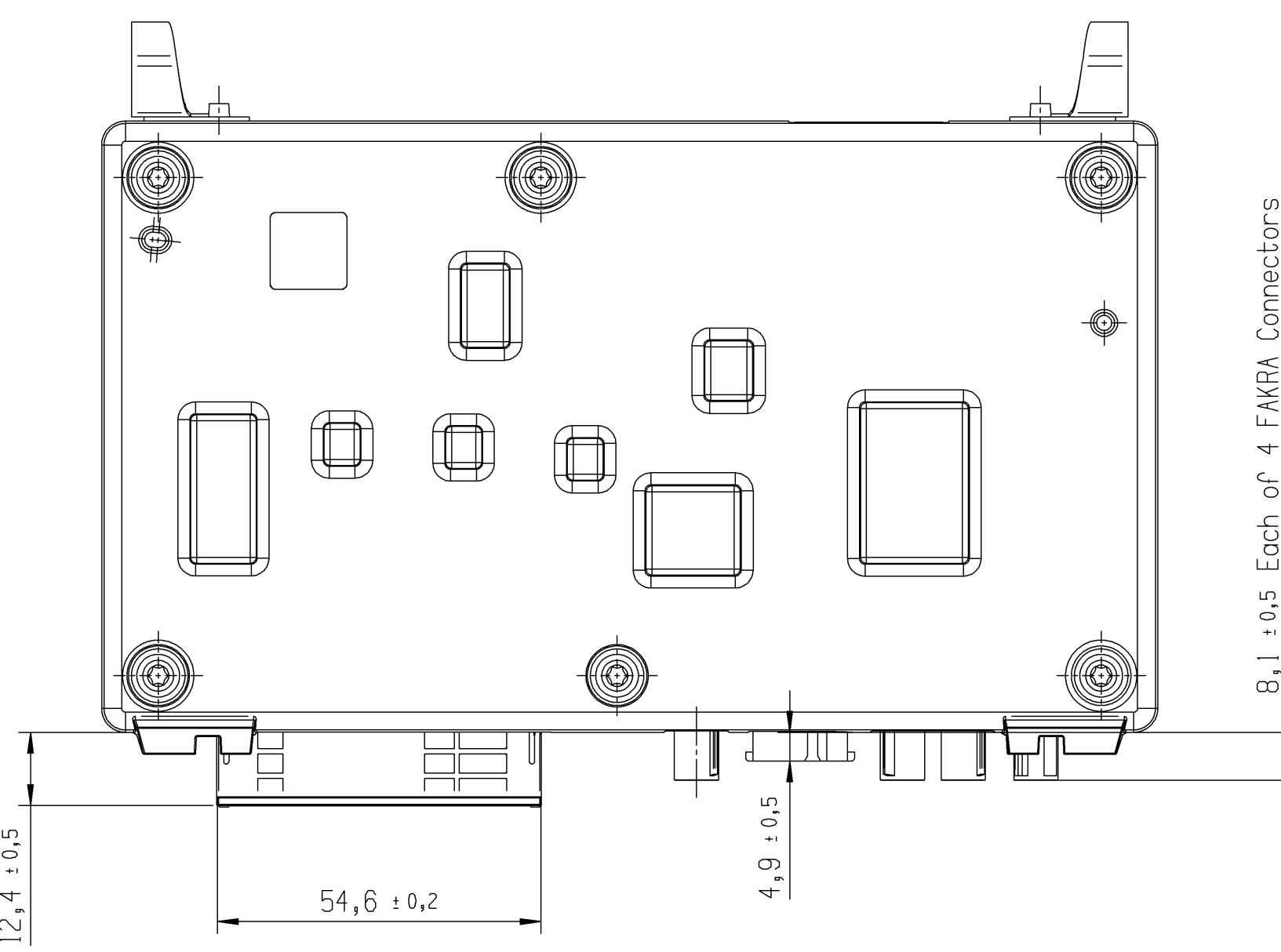
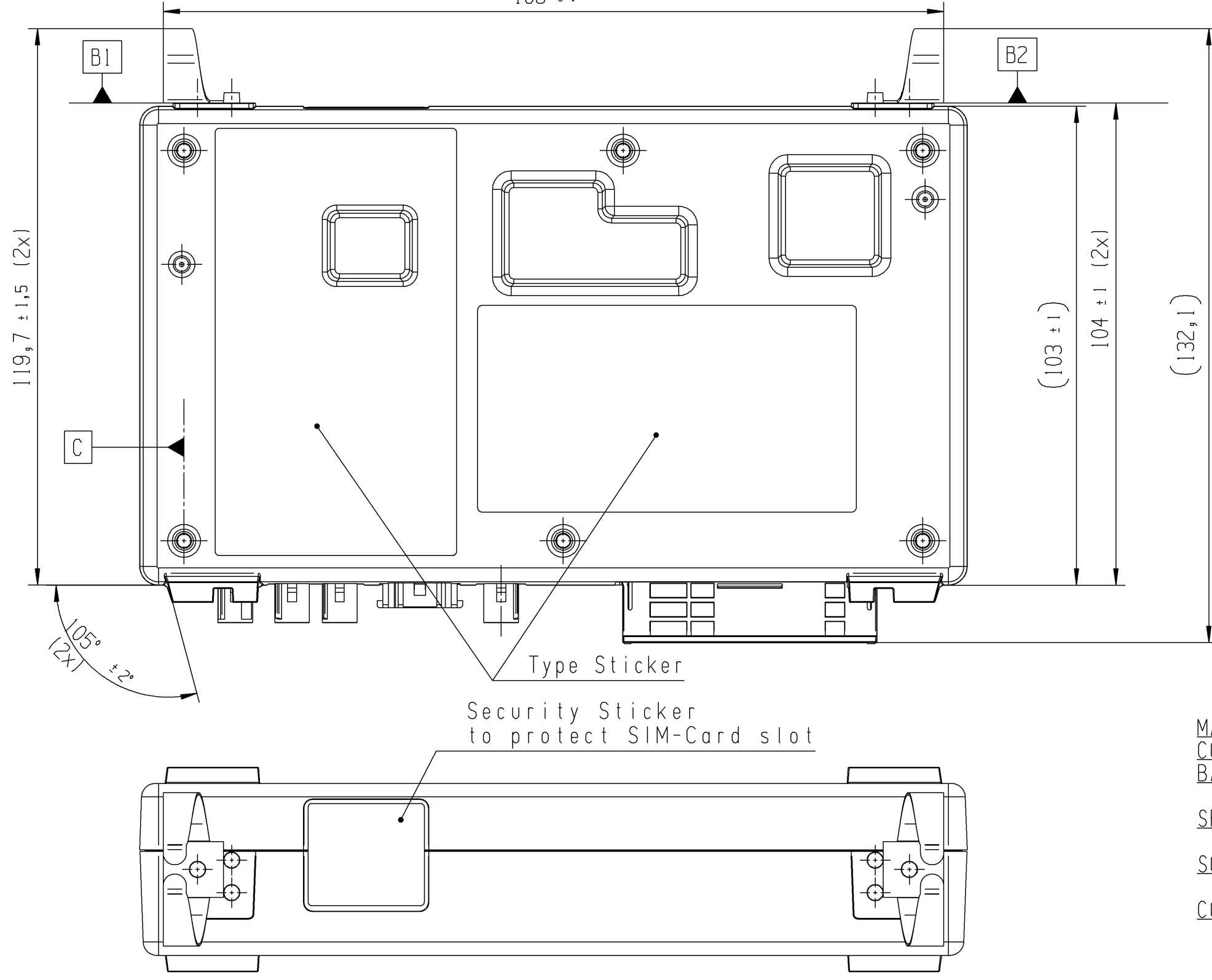
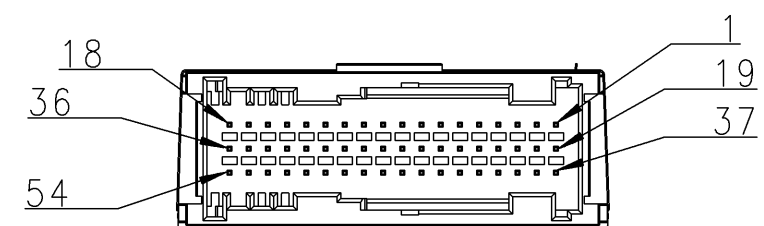
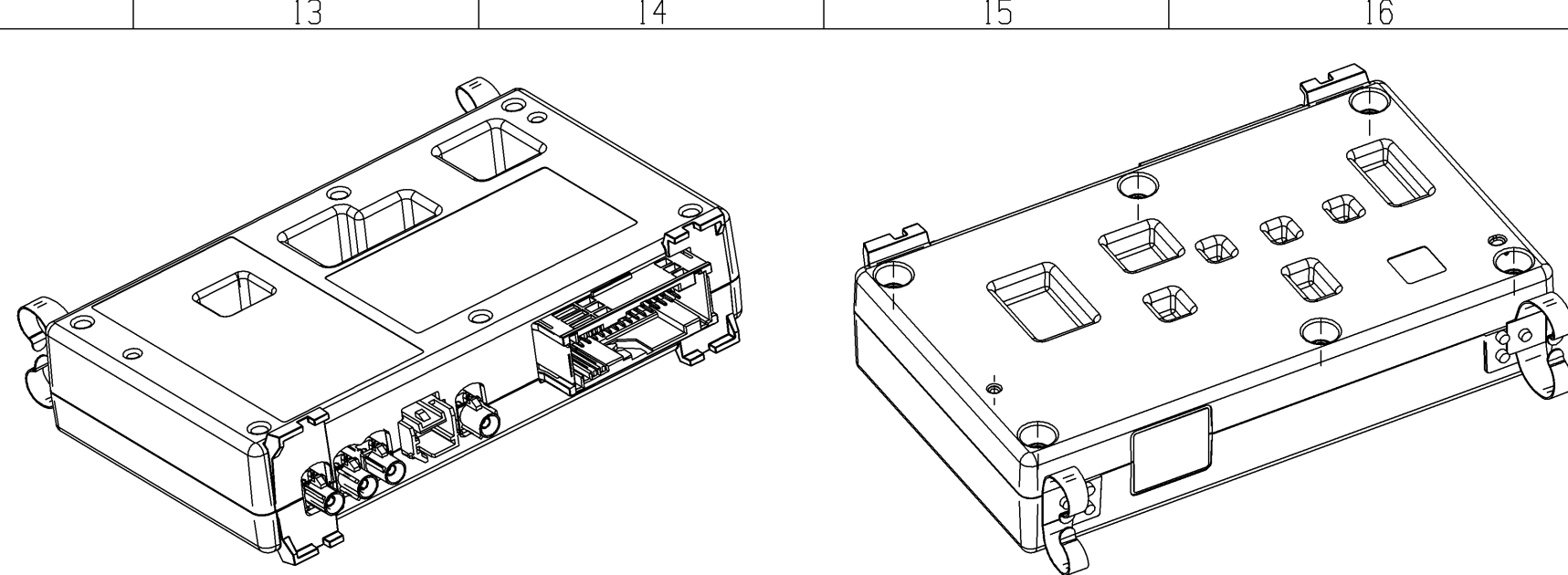
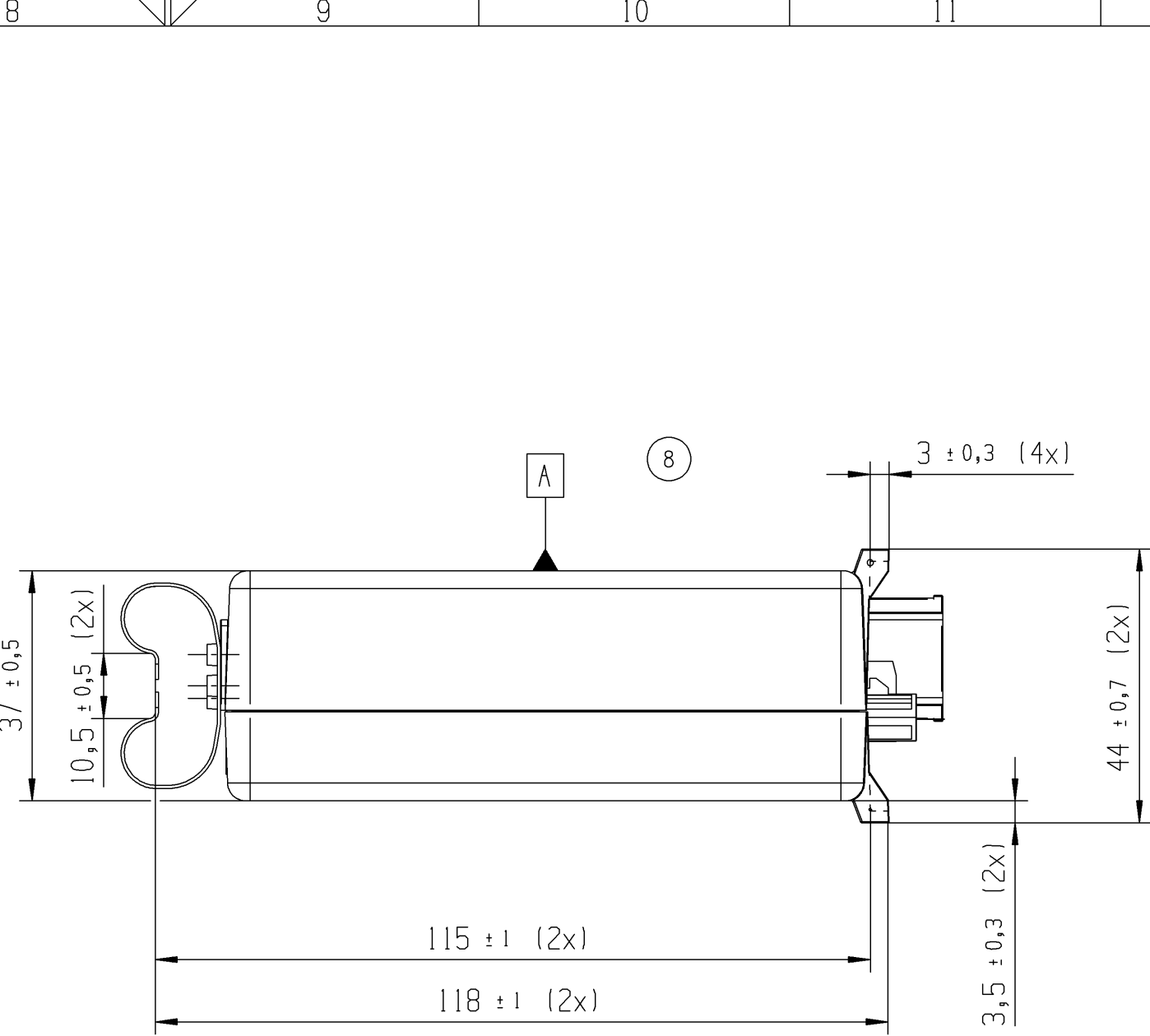




Receptor Pins	Function
1	KL.30 (UBAT)
2	KL.30 (UBAT)
3	CAN3_GND
4	CAN3_L
5	KL.15 (IGNITION)
6	CAN1_GND
7	CAN1_GND
8	DIGITAL_IN4_GND
9	DIGITAL_IN3
10	VOLTAGE_MEASURE_GND
11	
12	RS232_1_TXD
13	RS232_1_RXD
14	RS232_1_CTS
15	RS232_2_RTS
16	RS232_2_CTS
17	LS_SWITCH_2_GND
18	LS_SWITCH_2
19	KL.31 (GND_Z)
20	KL.31 (GND_Z)
21	CAN3_H
22	CAN2_GND
23	CAN2_GND
24	CAN1_H
25	DIGITAL_IN5_GND
26	DIGITAL_IN4
27	DIGITAL_IN2_GND
28	DIGITAL_IN1
29	RS232_3_TXT
30	RS232_3_GND
31	RS232_1_RTS
32	RS232_3_RTS
33	RS232_2_RXD
34	RS232_2_TXD
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_3_CTS
49	RS232_3_RXD
50	
51	RS232_1_GND
52	RS232_2_GND
53	K_LINE
54	

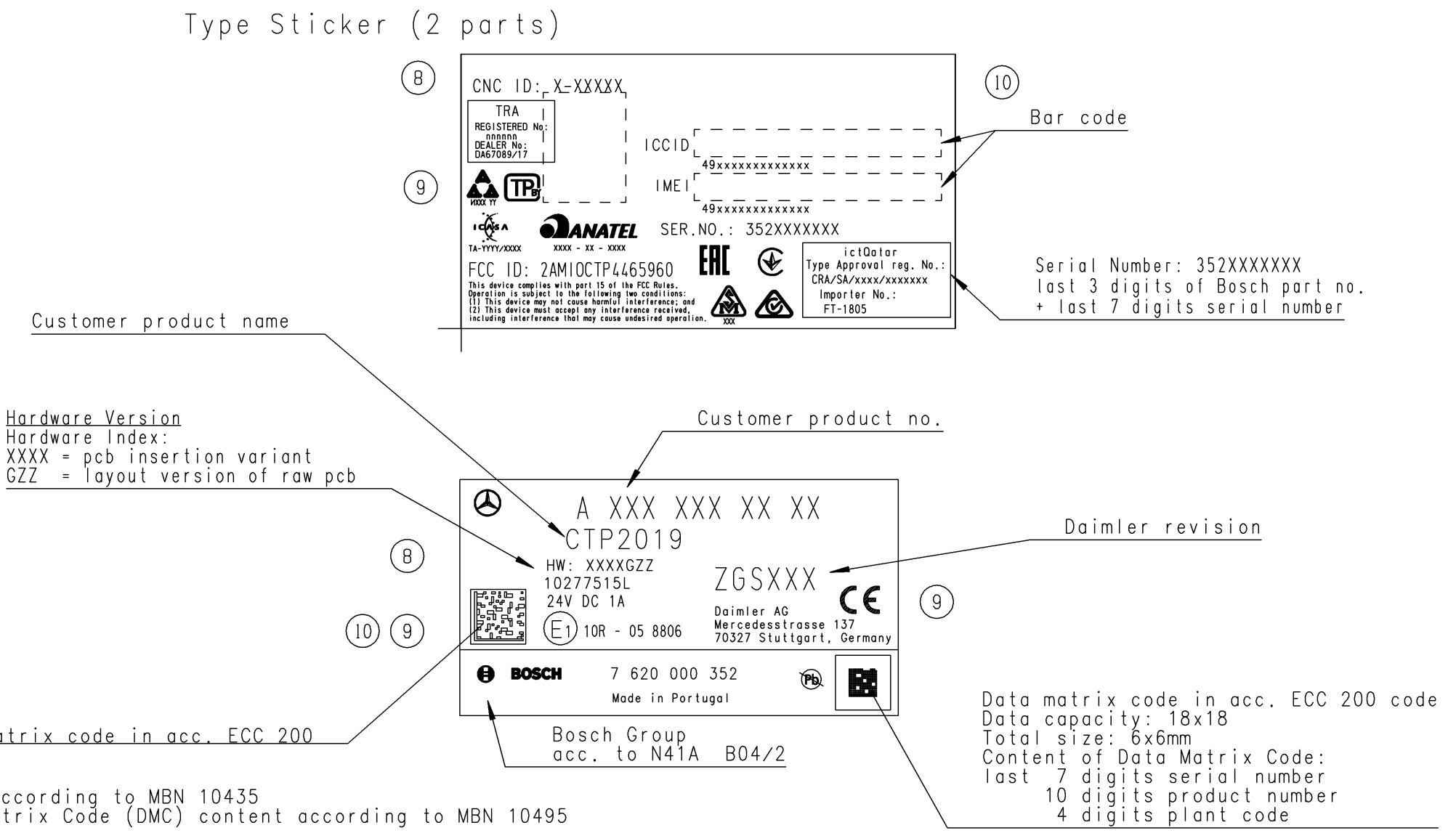
MATERIALS		The barrier product specification A 003 009 02 99 for housing size 3 has to be considered.
COVER:	GD AlSi9Cu3 DIN 1706 or ADC 12 lead free	Spring constant of the retaining spring (based on two springs): 20N/mm ± 5 N/mm
BASE PLATE:	GD AlSi9Cu3 DIN 1706 or ADC 12 lead free	1. Spring deflection 3mm ---> Spring force based on two springs: 60N ± 15N
SPRING:	DIN EN 10088 1.4310 (X10CrNi18-8 K1)	2. Spring deflection 5mm ---> Spring force based on two springs: 100N ± 25N
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	
	Fakra-Connectors: Shell: Copper alloy / Plating: Tin over Ni 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	

<u>Nominal voltage:</u>	24V
<u>Test voltage:</u>	24V
<u>Operating voltage:</u>	10V - 32V
<u>Operating temperature:</u>	-40°C to 60°C (full operation, see also CTP-4958, CTP-3856)
<u>Operating temperature:</u>	60°C to 75°C (limited operation, CAN alive until components are at max. temp. of 85°C)
<u>Storage temperature:</u>	-40°C to 85°C
<u>Type of protection:</u>	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

Stammdaten/ Smargad		D-Pflicht/required MBN 10317 Art/ type Anzahl Merkmale/ number of features		VeDoc-Relevanz/relevance MBN 10365 Anzahl/number of VPD-Ident-Nr./No.		ESD-Kennzeichen/code A0598930 N		Size acc. to / Masse nach ISO 14405-1:2010-12 envelope principle/ Huelleprinzip	
DS DZ		0 0		0 0		Farbe/color		The base plane "A" to be determined with 4 points	
Lieferant/supplier Robert Bosch GmbH		Datum/date 2019-05-14		Name/name Mahlstedt		10 A25648_01 091 8600A2551001 08 3E100141119		20190404 20190122 20181212	
ZGS 003		Auftr.-Nr./order no. ZAR115819		feder./Abt./resp. dep. TP/EMA		Norm./stand. siehe		KEM KEM	
Mercedes-Benz Benennung/tittle STEUERGERAET TELEMATIK CONTROL UNIT, TELEMATICS TDC 2019		Freig./rel. siehe		KEM		00... Change/Änder. YYYYMMDD		Drawn/Gez. Checked/Gepr. Released/Freigegeben DWB	
A000446 57 60		Masse/mass (kg) 0.650		System/system NX 12.0		Format/size A1		Blatt/sheet 1 / 1	
Keine Änderung ohne Zustimmung der federführenden Konstruktion. / Any alterations are subject to the approval of the design department.		MNR		Drit. P. Scale/M.stab 1:1		Mot. sheets/Stoße s. Syst. N 2580-1 U Stg		Doc. type TKU	
Rep. For		Rep. By		Rep. For		Rep. By		Rep. For	