

BMW ICON SF25 information

❑ Product information

TFBMEEBN6FU of Telematics device is designed for the automotive industry. The RF platform of TFBMEEBN6FU supports highly integrated RF technology. It incorporates a fully integrated receiver, TX outputs, TCVCXO control, a measurement interface. The TFBMEEBN6FU are based on the Qualcomm wireless chipsets and support the following RF wireless technology.

- WLAN 2.4/5/6GHz
- BT LE
- GNSS

- **Model name** : TFBMEEBN6FU
- **Variant model name** : TFBMEEBN6FR, TFBMNENNOFN
- **Operating Voltage** : DC 12V
- **Operating Temperature** : -40°C to 90°C (ecall 95°C)
- **Storage Temperature** : -40°C to +95°C
- **Humidity** : 95% or less

BMW ICON SF25 information

❏ Product description

ICON SF contains the functionalities that enable mobile communication over the BMW eSIM, emergency call, and specific applications and services.

- ICON SF contains integrated (built-in) antennas.
- ICON SF shall cover all BMW eSIM based communication, as well as emergency call use-cases. ICON SF shall at least provide the following interfaces:
- All emergency call related interfaces as eCall microphone, eCall speaker, eCall button and eCall LED
- Crash Signal Line for communication with airbag ECU
- Ethernet interfaces
- Power line
- Region-specific SDARS connector.
- CAN interfaces
- WIFI communication
- Operation during eCall also on BUB possible

❏ Product function

ICON SF shall at least provide the following interfaces:

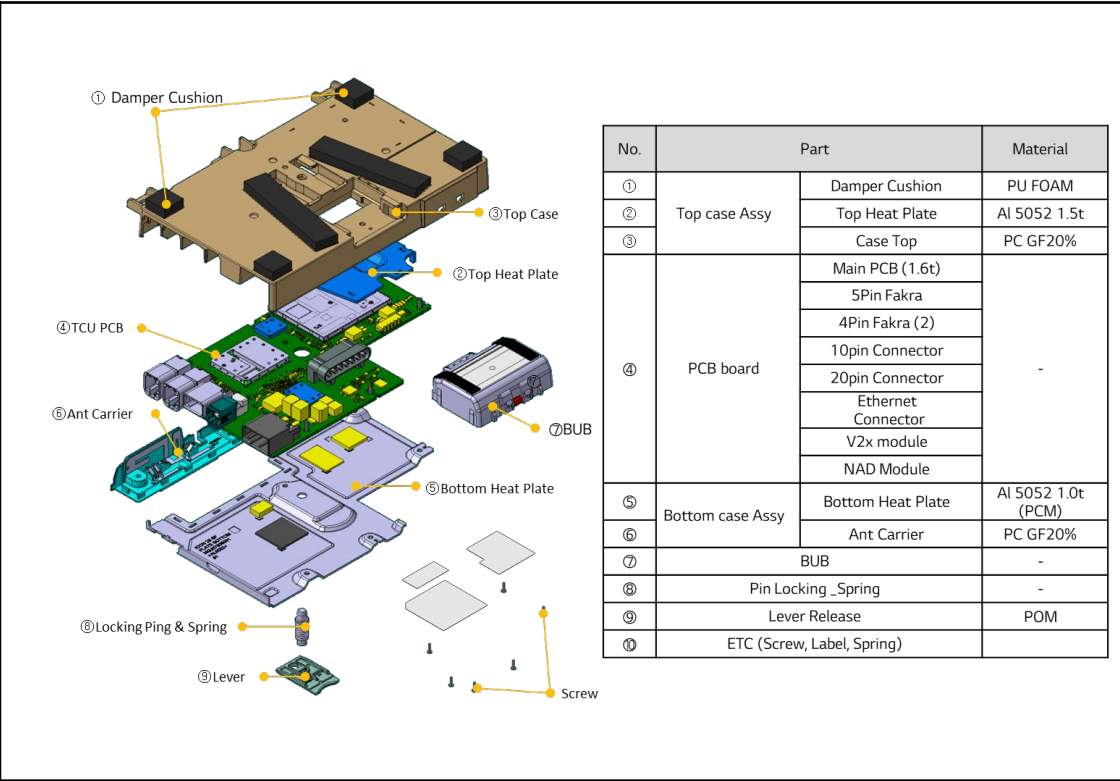
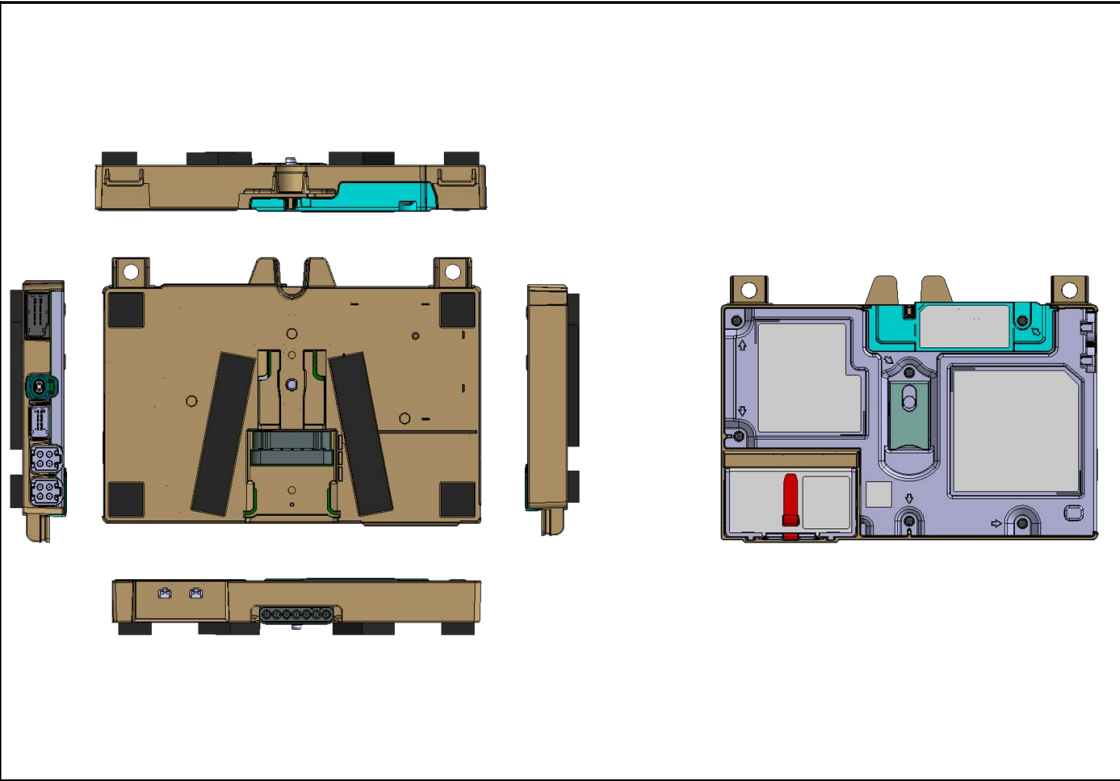
- All emergency call related interfaces as eCall microphone, eCall speaker, eCall button and eCall LED
- Crash Signal Line for communication with airbag ECU
- Ethernet interfaces
- Power line
- Region-specific SDARS connector.
- CAN interfaces
- WIFI communication
- operation during eCall also on BUB possible

BMW ICON SF25 mechanical specification

Physical dimension and connection interface

Size : 100 x 160 x 18mm

Weight : 333g



BMW ICON SF25 FCC Statement

FCC Part 15.21 statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 15.19 statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 2.1093 RF Exposure

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. The Roof-top antenna of this device should be installed and operated with a minimum distance of **45 mm** between the radiating element of the device and the user. The Back-up antenna should be installed and operated with a minimum distance of **22mm** between the radiating element of the device and the user.

FCC Part 15.105(b) Information to the user.

The OEM integrator is responsible for ensuring that the host product which is installed and operating with the module is in compliant with Part 15B unintentional Radiator requirements, please note that For a Class B digital device or peripheral, the instructions furnished the user manual of the end-user product shall include the following or similar statement, placed in a prominent location in the text of the host product manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

BMW ICON SF25 FCC Statement

FCC KDB 987594 UNII 6GHz Requirements

* Usage Restrictions (6VL)

- a. Control of or communications with unmanned aircraft systems is prohibited, including drones.
- b. Operation prohibited on oil platforms and aircraft, except that operation of this device in 5.925-6.425 GHz is permitted in large aircraft while flying above 10,000 feet
- c. Installation on outdoor fixed infrastructures prohibited.

This device may only be marketed and sold to manufacturers that produce finished automobile and truck vehicles, and only for installation on the makes and models listed by the grantee on its website [<https://www.lg.com/global/support/ftclabel>]. Aftermarket devices sold to retailers, repair facilities, vehicle maintenance facilities and public is prohibited except for repairing and/or replacing original installed devices or parts identified by SKU . Altering the antenna or antenna cable length is strictly prohibited”