

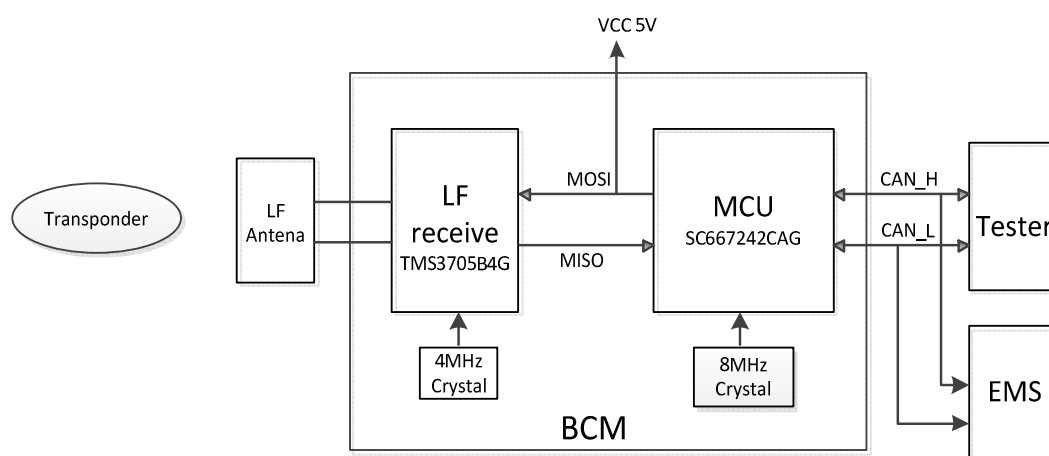
User Manual

1、The Body Control Module introduce

The interface of the body control module is connected with the interface of EMS controller and LF antenna. The frequency is 134.744kHz. Writing-reading LF antenna is assembled on the lock core, sending the data between the Transponder and the BCM. When the key is inserted the lock core and rotated to “ON”, the Transponder assembled in the key is doing double encrypted data traffic between writing-reading LF antenna and BCM. BCM will check the results; meanwhile, it will do the encrypted certifying with EMS controller. When the two parts are confirmed and no error, BCM would allow the EMS controller to start the engine.

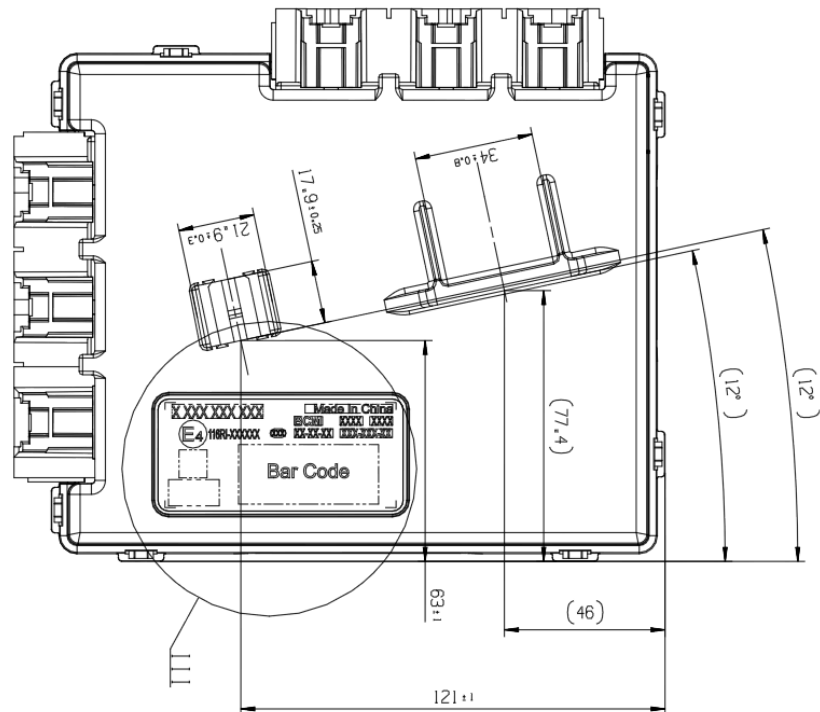
The device is generally installed under the dashboard. The LF antenna is installed in the igniting lock core. Transponder is embedded in the igniting key. First using tester to matching the key through diagnosis interface, then the key is certified. When using this system, make sure all parts installed strongly, connecting between pins and the controller reliable. During the process of key matching and EMS controller, make sure to follow the matching process strictly, and keep other keys away from LF antenna, which should be more than 5cm distance.

There have two kinds of product, the difference is about the hull, the PCBA layout is the same.

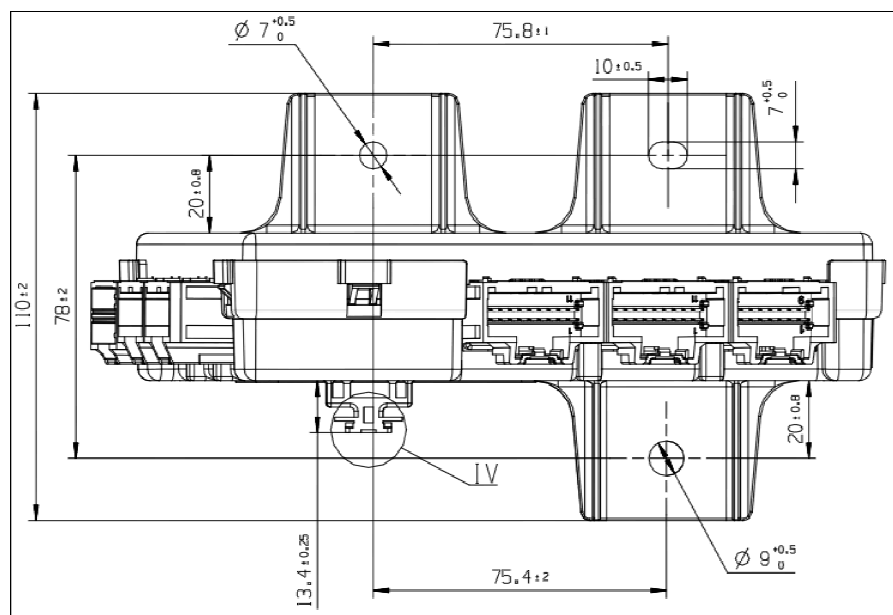
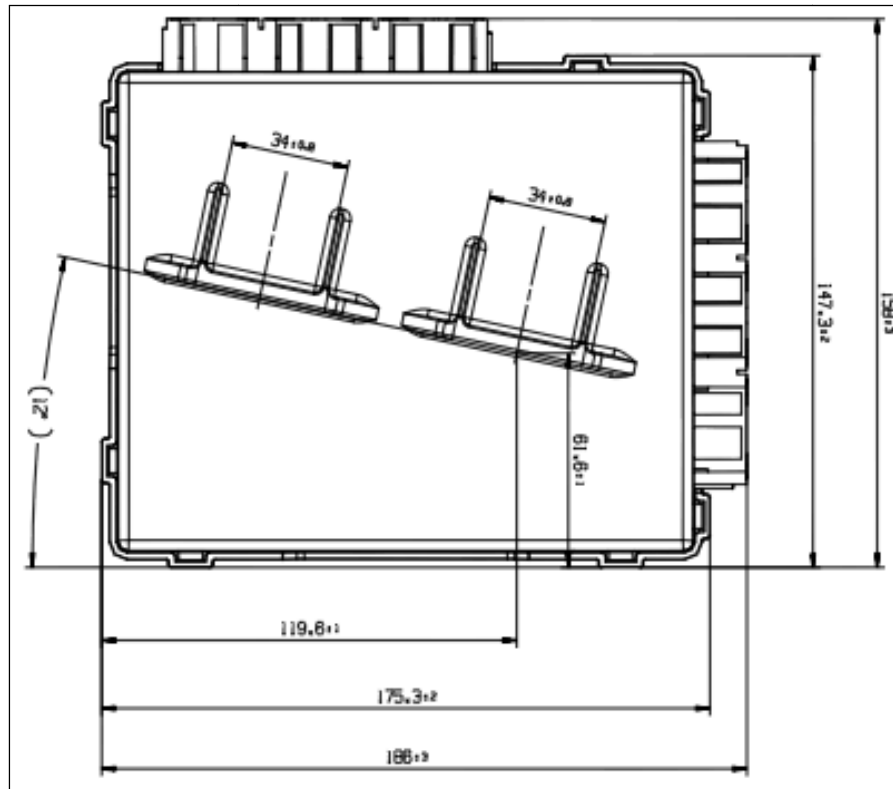


2、The Body Control Module Drawing

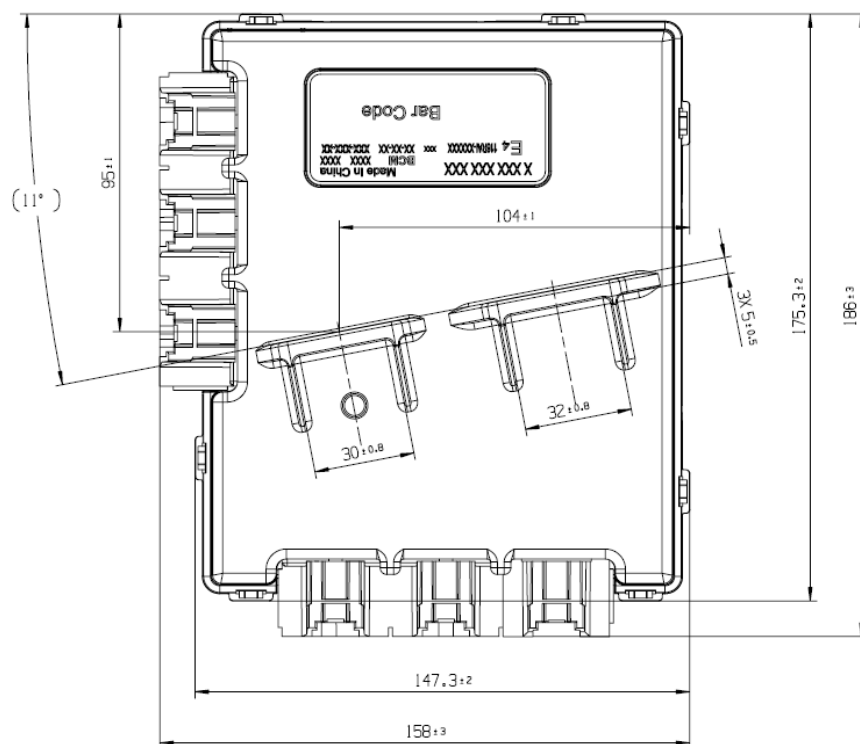
Number one: drawing, front side



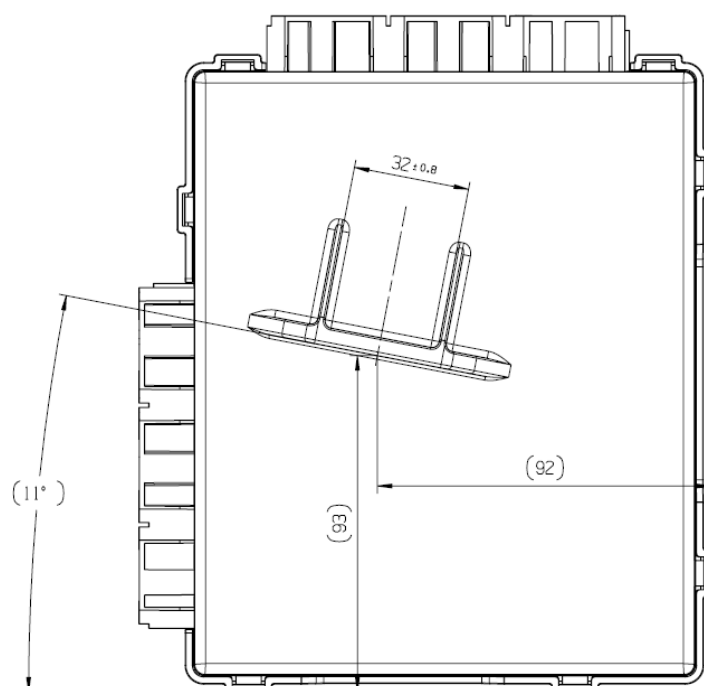
controller drawing, side and back



Number two: drawing, front side



side and back



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.

Attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This product 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 product 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 product 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.