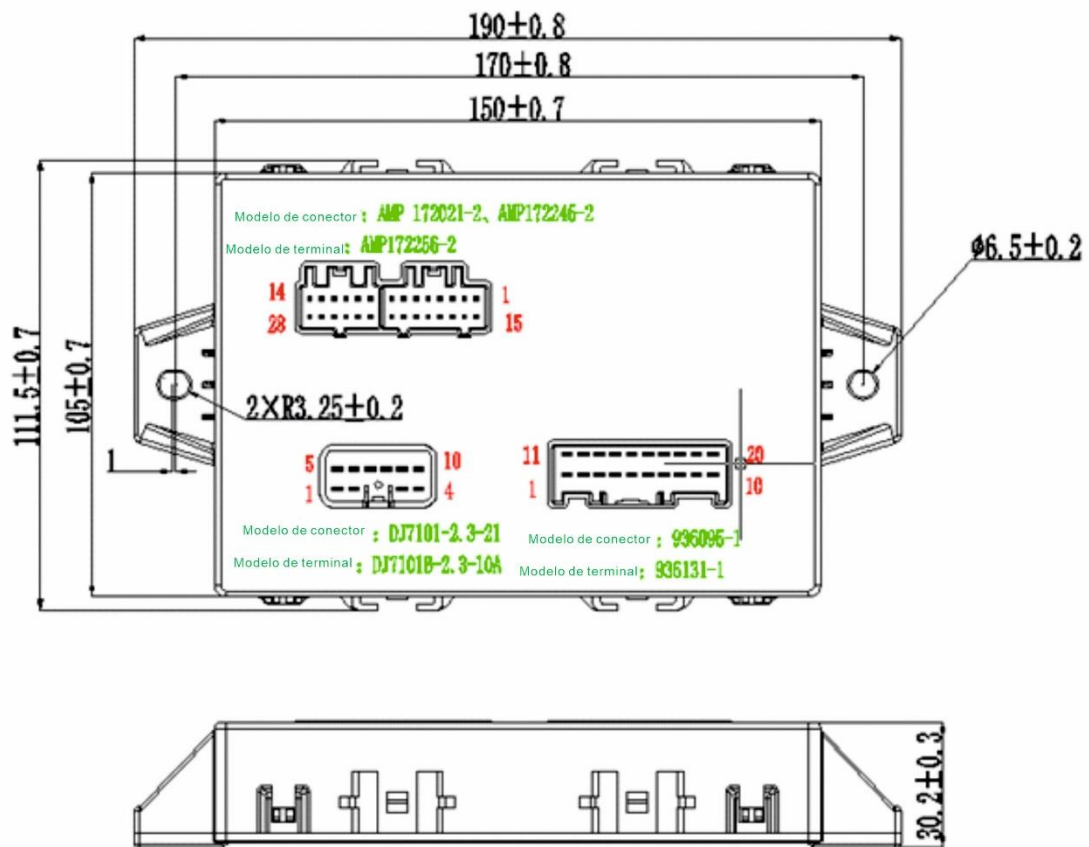


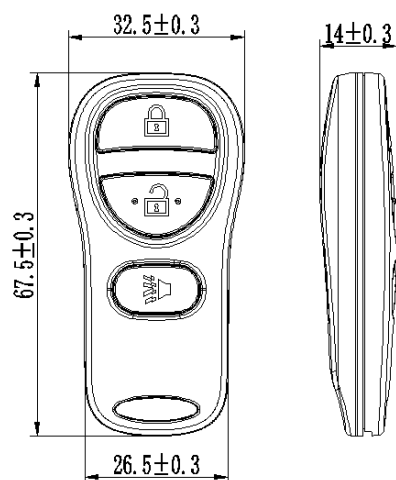
Specifications of BCM

1. Product outline drawing (Note: the shell is black ABS)

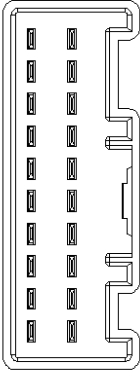
- BCM Host outline drawing

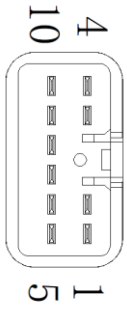
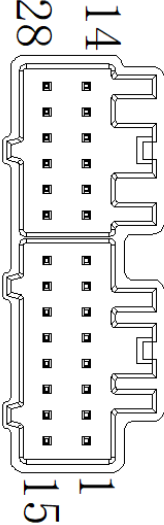


- Remote control outline drawing



2. Pin location and function comparison table

Board end plug-in	Pin location	Pin description	Power supply type	Function definition
20 10  11 1	A1	Reserved	/	/
	A2	Drive output	Positive	Position light Output
	A3	Drive output	Positive	brake light Output
	A4	Drive output	Positive	Reversing light Output
	A5	Power input	Positive	light power supply 1
	A6	Drive output	Positive	Rear fog light Output
	A7	Drive output	Positive	Daytime running light Output
	A8	Drive output	Positive	Electric horn Output
	A9	Grounding	Negative	GND
	A10	Grounding	Negative	GND
	A11	Reserved	/	/
	A12	Reserved	/	/
	A13	Switch input	Negative	Wiper return Signal
	A14	Reserved	/	/
	A15	Reserved	/	/
	A16	Drive output	Positive	High beam light Output
	A17	Drive output	Positive	Low beam light Output
	A18	Power input	Positive	Light and wiper power supply
	A19	Drive output	Positive	Front wiper Output
	A20	Drive output	Positive	Washing Output
B (10pin) DJ7101-2.3- 11	B1	Drive output	Positive	Left turn signal Output
	B2	Drive output	Positive	Right turn signal Output

	B3	Reserved	/	/
	B4	Reserved	/	/
	B5	Drive output	Positive	Controller fun Output
	B6	Reserved	/	/
	B7	Power output	Positive	Light power supply 2
	B8	Reserved	/	/
	B9	Reserved	/	/
	B10	Drive output	Positive	BMS waking Signal
C (12+6pin) AMP172256-2 	C1	Switch input	Positive	Electric door lock Input
	C2	Switch input	Positive	T-BOX waking BCM
	C3	Reserved	/	/
	C4	Reserved	/	/
	C5	Reserved	/	/
	C6	Reserved	/	/
	C7	Switch input	Negative	Parking Switch input
	C8	Switch input	Negative	High beam light Input
	C9	Switch input	Positive	R gear Input
	C10	Switch input	Negative	Low beam light Input
	C11	Switch input	Negative	Left turn signal Input
	C12	Switch input	Negative	Right turn signal Input
	C13	Switch input	Negative	Brake Switch input
	C14	CAN BUS	Signal	CAN-H
	C15	Reserved	/	/
	C16	Reserved	/	/
	C17	Switch input	Negative	Washing Input
	C18	Switch input	Negative	Wiper Input
	C19	Switch input	Negative	Rear fog light Input
	C20	Switch input	Negative	Position light Input
	C21	Switch input	Negative	Overtake light Input
	C22	Reserved	/	/

	C23	Grounding	Negative	GND
	C24	Switch input	Negative	Horn Input
	C25	Switch input	Positive	D Gear Input
	C26	Switch input	Negative	Seat pressure Switch input
	C27	Reserved	/	/
	C28	CAN BUS	Signal	CAN-L

3. Functions

- a. The BCM is equipped with a remote-control key, which has the function of locking the car (when a person touches the car or the car is hit by a foreign body after the car is locked, the car will sound an alarm), unlocking function, and car-finding function.
- b. The BCM is equipped with a voltage detection device, which can always monitor the voltage of the 12V battery during operation.
- c. BCM can communicate with the entire vehicle CAN, receive and send CAN messages.

4. Technical specifications

1. BCM working voltage: DC10.5V~16.5V
2. BCM quiescent current: $\leq 10\text{mA}$
3. BCM working temperature range: $-30^{\circ}\text{C}\sim 80^{\circ}\text{C}$
4. Operating voltage of remote control: DC2.6V~3.4V
5. Dynamic current of remote control: 4mA
6. Static current of remote control: $\leq 1\mu\text{A}$
7. Transmitting frequency of remote control: $433.92\text{MHz}\pm 0.2\text{MHz}$
8. Remote control distance of remote control: $\leq 20\text{m}$
9. Remote control response time: $\geq 250\text{ms}$
10. Operating temperature range of remote control: $-30^{\circ}\text{C}\sim 80^{\circ}\text{C}$
11. Remote control battery specification: CR2032 3V

5. BCM Diagram

