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Winnercom LX2PE NFC Touch Door User Manual

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Contents

Introduction

- Door handle Module (DHS)
- NFC & Capacitive Touch
- Pocket Light LED
- Hi-Speed CAN

The door handle module for Automotive has a NFC Reader and lock/Unlock 2Channel Capacitive touch Sensor function.
This module is installed inside of the door handle covers and will be attached to the outside door panel.
This module is communicated with CAN network which enables to connect to the car network to send the signal of lock and unlock of door and Pocket light LED On/Off control.
It receives DC power from car battery at all time.
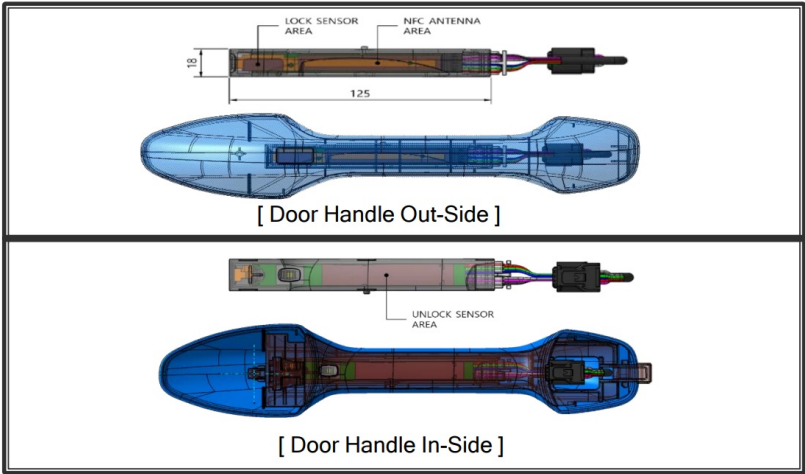
[Assembled cover and DHS]

NFC DHS Design(BOM) & Application

ITEMS	SPECIFICATION
Size	125 x 18 x 20 mm (Length x Width x Height)
Color	Black
Weight	53g +/- 2.2%
Waterproof	Polyurethane full potting inside of module. Protective of humidity ,vibration, waterproof
Material	Case : PA6+GF15% , ABS / PRESS : SPTE(Tin-Plating) / PCB : FR-4, 4Layer / Foam Tape : EPDM/ FPCB : Polyimide film
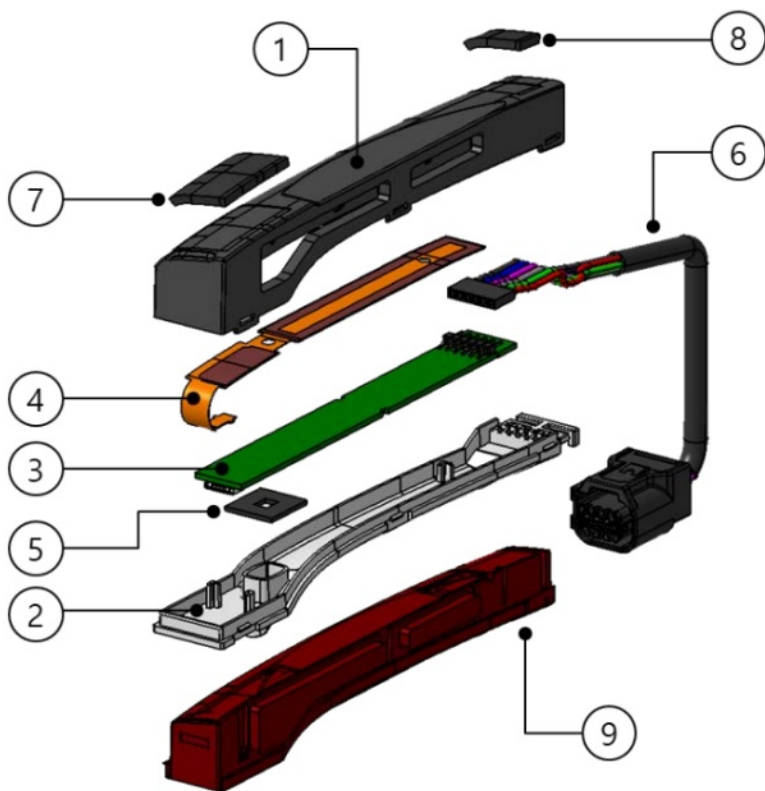
NO	Lev	SUB
1	1	CASE UPPER
2	1	CASE LOWER
3	1	PCB ASSY
4	1	FPCB.
5	2	FOAM PAD LED
6	2	CABLE ASSY
7	1	FOAM PAD A
8	1	FOAM PAD B
9	1	ANT POTTING

Attentions

- Please always mount the Door handle Module before power on the device to avoid circuit damage
- Before power on the Module, check the power supply **(Fig. 1)**
- Module Input Power connect to the connector **(Fig. 1)**
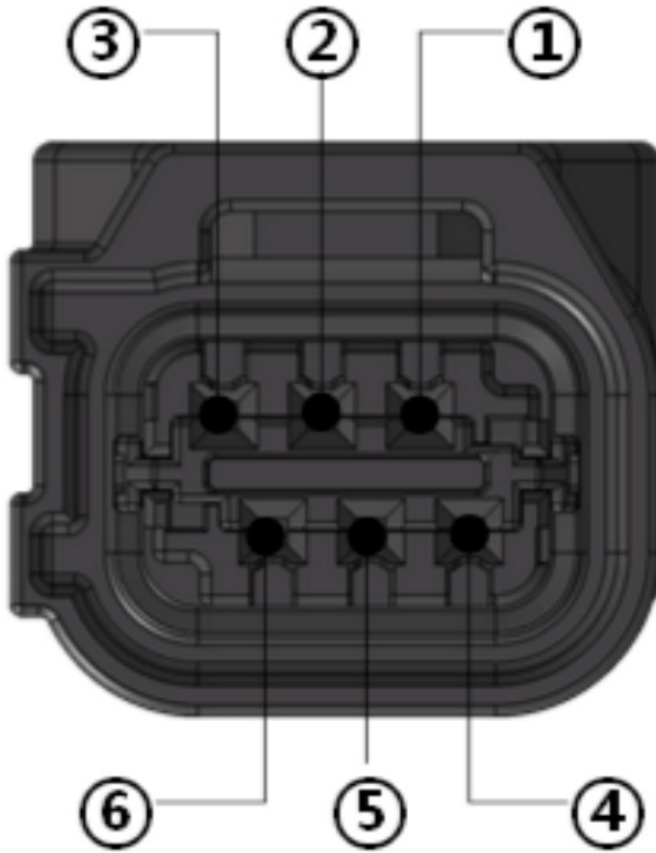
DC 12V Input for operate Door Handle Module (#1 & 6)

Fig. 1 Connector

CONNECTOR INFORMATION

- O/S HDL CONNECTOR
- Female Connector : HKCO6 .272

Pin	Pin Name	Wire Color	Signal Description
		Touch+NFC (CAN + Logic Signal)	
1	V Bat(+Vcc)	Red	Power Supply
2	L_CAN(L)	Green	CAN Low Signal
3	Touchl	Gray	Lock
4	Touch2	Pink	Unlock
5	L_CAN(H)	Blue	Blue CAN High Signal
6	GND	Black	Electrical Ground

- CONNECTOR
- Male Connector : HKCO6-12711

Specifications

	NFC Touch Data
Frequency Range	13.56MHz for NFC
Operating Voltage	9.0 ~ 16.0 [Vdc], Typical 12.0 [Vdc]
Current	Max 0.50mA @ Sleep Mode, Max 100mA @ Operation Mode
Operating Temp	-35℃ ~ 75℃
Storage Temp.	40℃ ~ 85℃

★ **DHS : Door Handle System**

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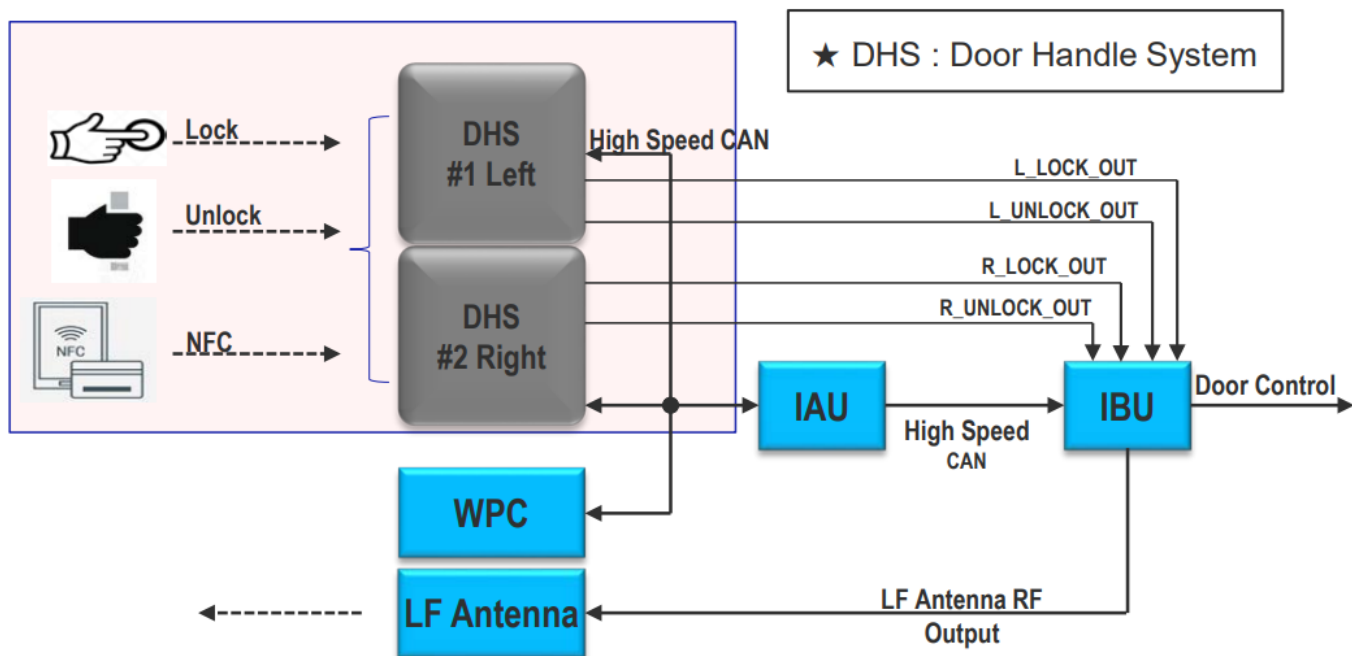
User Information and Instructions

FCC Part 15 Compliance information.

FCC Compliance 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 Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:

1. this device may not cause interference, and this device must accept any interference, including interference that may cause undesired operation of the device.

Manufacturer information

Manufacturer name	WINNERCOM Co., Ltd.
Address, City:	HUMAX Village, 216, Hwangsaeul-ro, Bundang-Gu, Seongnam-si, Gyeonggi-do, South KOREA 13595
Product name (type) :	Vehicle active antenna & Touch door

Documents / Resources

	Winnercom LX2PE NFC Touch Door [pdf] User Manual LX2PE, 2AU37LX2PE, NFC Touch Door, Door, Touch Door