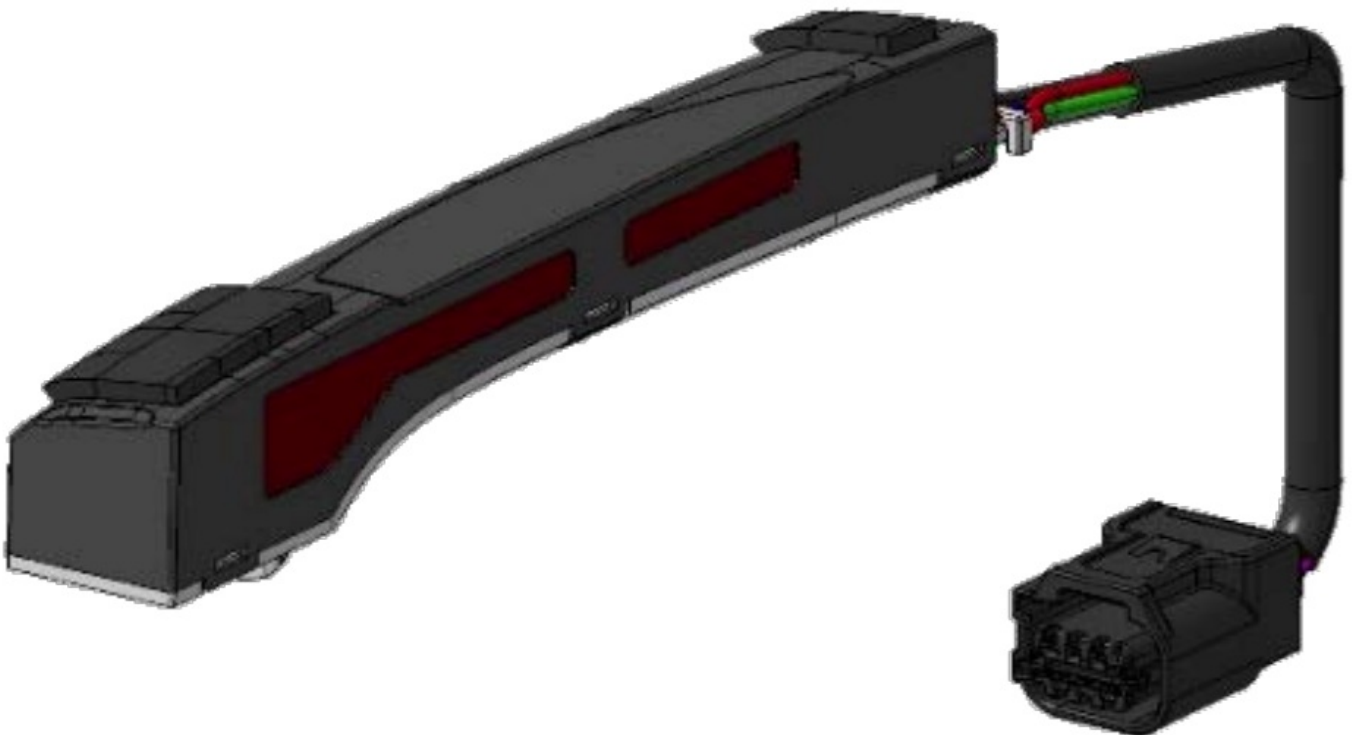




## WINNERCOM CE NFC Touch Door Handle User Manual

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### WINNERCOM CE NFC Touch Door Handle

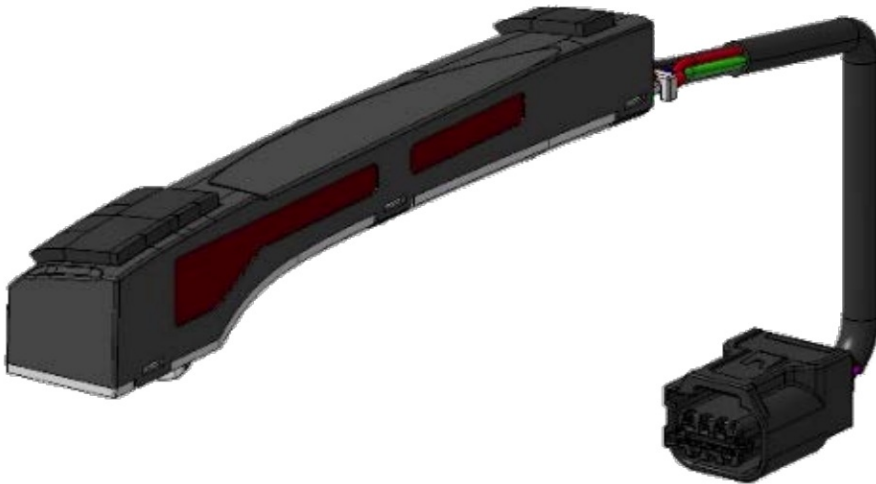


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## Introduction

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

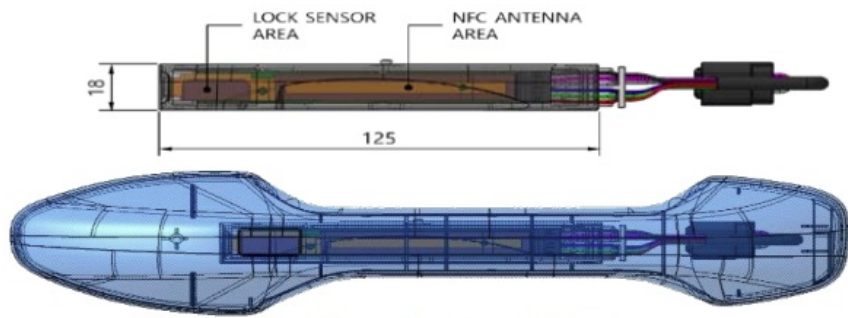


The door handle module for Automotive has a NFC Reader and lock/Unlock 2Channel Capacitive touch Sensor function.

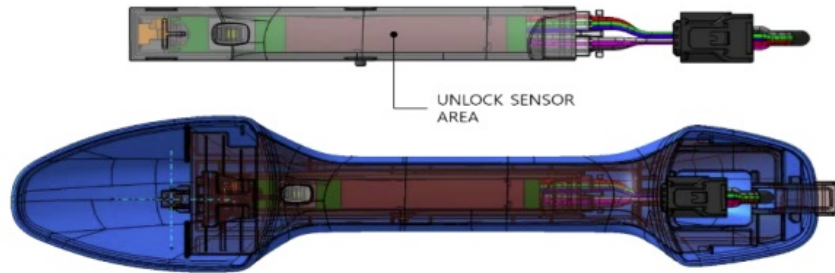
This module is installed inside of the door handle covers and will be attached to the outside door panel.

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.



[ Door Handle Out-Side ]



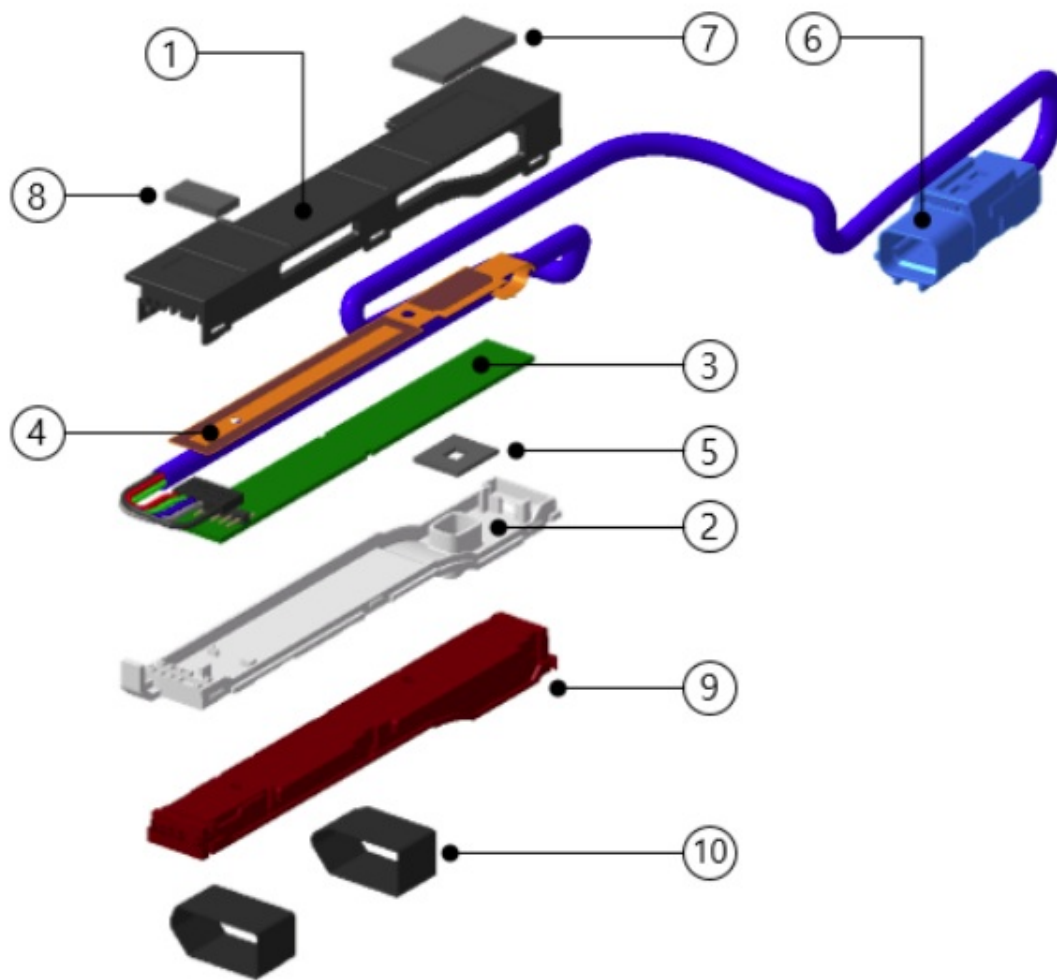
[ Door Handle In-Side ]

## [ Assembled cover and DHS]

### NFC DHS Design(BOM) & Application

#### CE – NFC Touch Door Handle

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

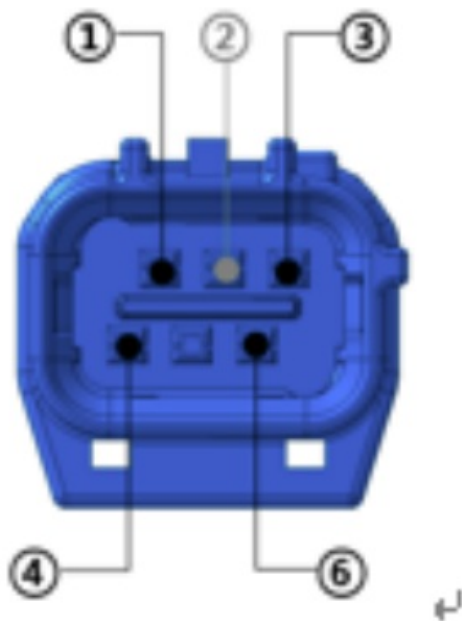


NO	Lev	SUB		
1	1	CASE UPPER		A6+GF15%
2	2	ASELO1NER		PC
3	1	PCBASSY	TBD	FR-4
4	1	FPCB	TBD	
5	2	FOAM PAO LED		EPDM
6	2	CABLEASSY		AVSS0.3SQ
7	1	FOAMPADA		POM
8	1	FOAMPAOB		POM
9	1	ANT POTTING		UE-917 A,B
10	1	TAPE	—	PVC

## 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)**

- **Type :** Spin Connector Sealed+’
- **Maker & Part No.:** HKC0S-12737 SP Male Connector(Blue)

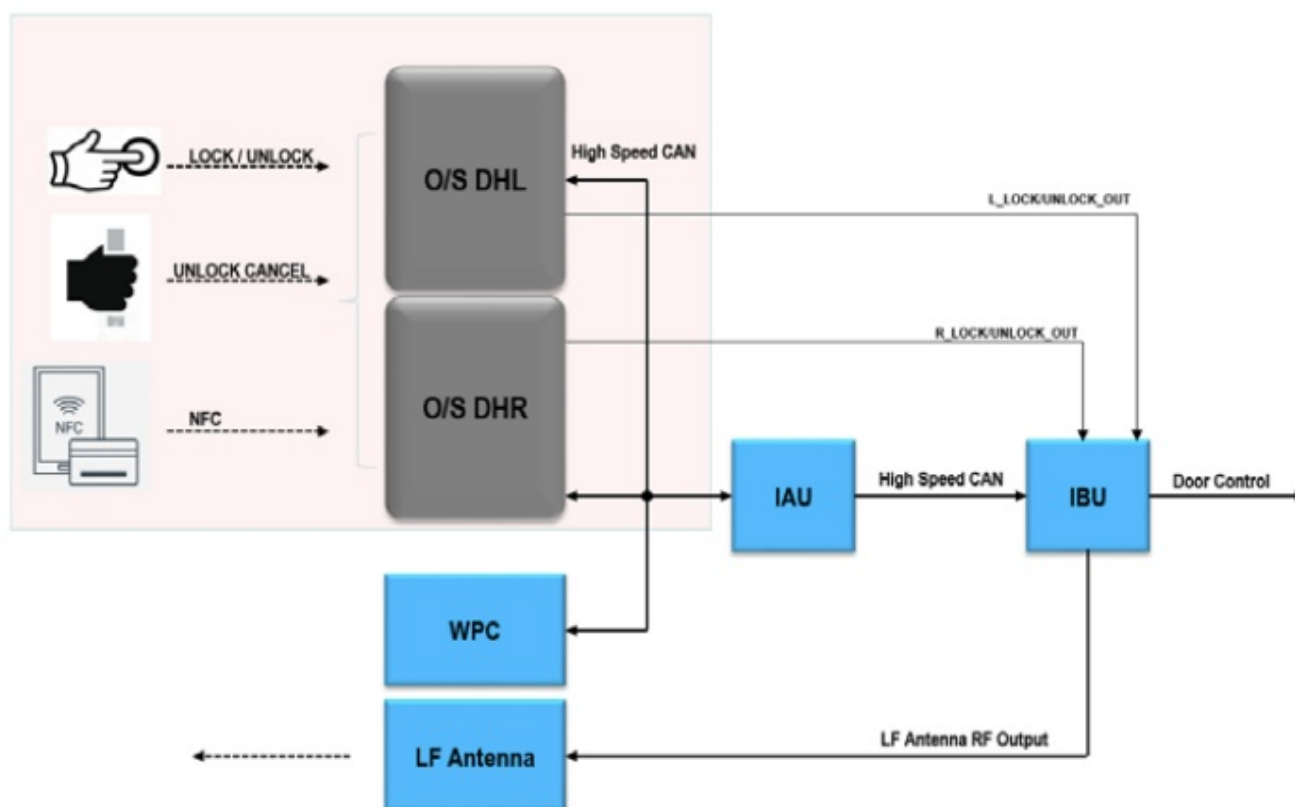


Pin#.	Name-	Description	In/ Out	Wire Color	I/O Level
1	V Bat(+Vcc)	Power Supply	Power	RED	Battery +
2	L_CAN(L)	CAN Low Signal	I/O	GREEN	2.5±TBD V
3	TOUCH	LOCK/ UNLOCK	I/O	GRAY	LOCK/UN LOCK
4	L_CAN(H)	CAN High Signal.i	lfo.,	BLUE	<u>2.5</u> ±TBD V
5					
6	GND	Electric Ground	Power	BLACK	Gnd

CAN(HI)CAN(LO)

## Specifications

NFC Touch Data	
Frequency Range	13.56MHz for NFC
Operating Voltage	9.0 ~ 16.0 [Vdc], Typical 12.0 [Vdc]
Current	Max 400mA @ Operation Mode
Operating Temp.	-30°C ~ 75°C
Storage Temp.	-40°C ~ 85°C
Symbol	DC, IEC 60417-5031 (2002-10)



## [ System Block Diagram ]

### User Information and Instructions

#### FCC Part 15 Compliance information.

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.

- This product is compliant with the essential requirements and other relevant provisions of the Directive 2014/53/EU.
- This product can be used in which EU members, in accordance with ArticleS10(10).

#### Manufacturer information

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



# WINNERCOM

#### Documents / Resources

	<p><b>WINNERCOM CE NFC Touch Door Handle</b> [pdf] User Manual</p> <p>CE, 2AU37CE, CE NFC, Touch Door Handle, CE NFC Touch Door Handle, NFC Touch Door Handle, Touch Door Handle, Door Handle, Handle</p>
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Manuals+