



WINNERCOM ON PE NFC Touch Door Handle User Manual

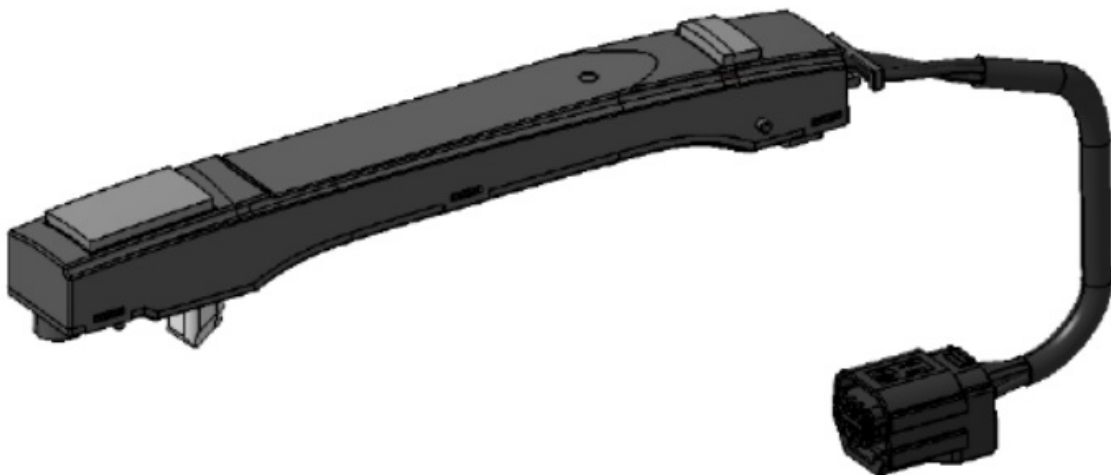
[Home](#) » [Winnercom](#) » WINNERCOM ON PE NFC Touch Door Handle User Manual 

Contents

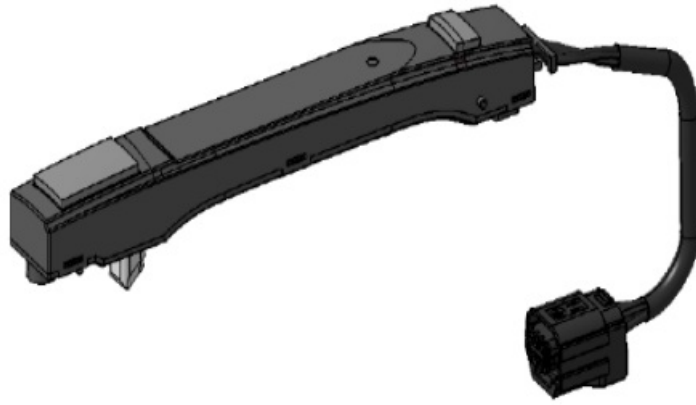
- [1 WINNERCOM ON PE NFC Touch Door Handle](#)
- [2 Introduction](#)
- [3 NFC DHS Design\(BOM\) & Application](#)
- [4 Attention](#)
- [5 Specifications](#)
- [6 User Information and Instructions](#)
- [7 Documents / Resources](#)
- [8 Related Posts](#)

WINNERCOM

WINNERCOM ON PE NFC Touch Door Handle

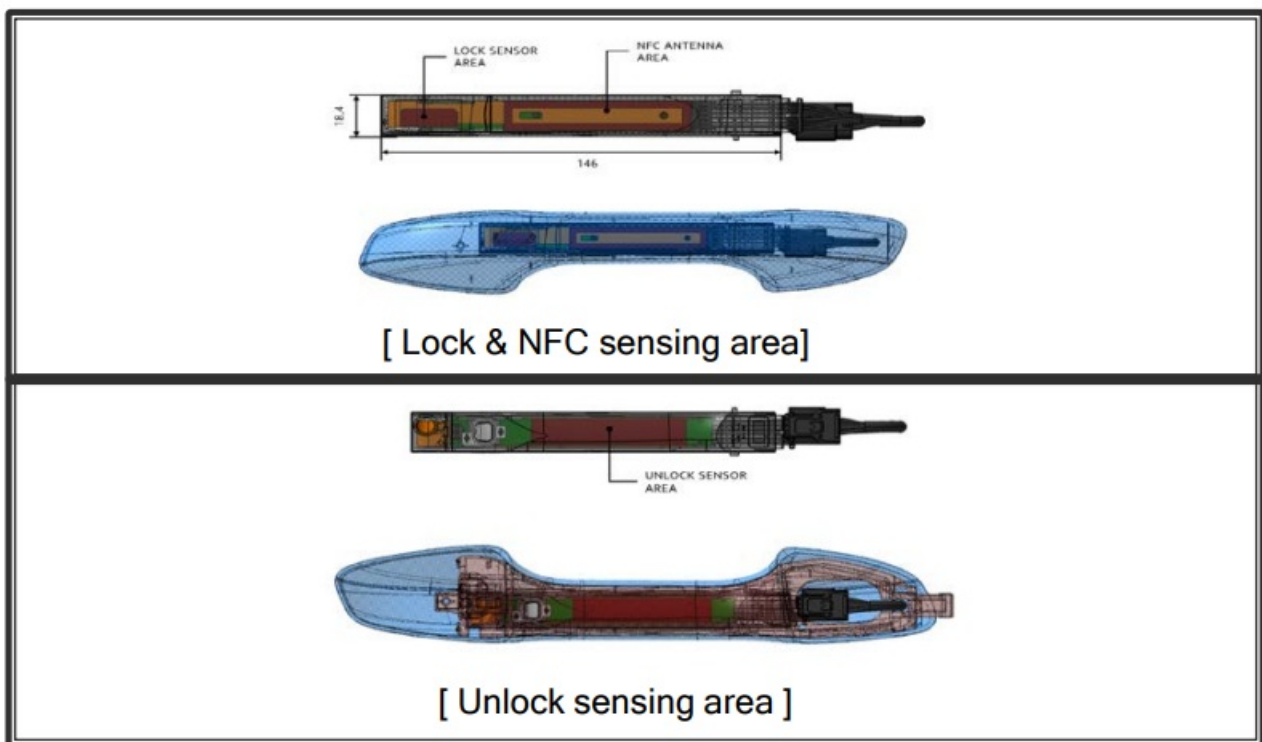


Introduction



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

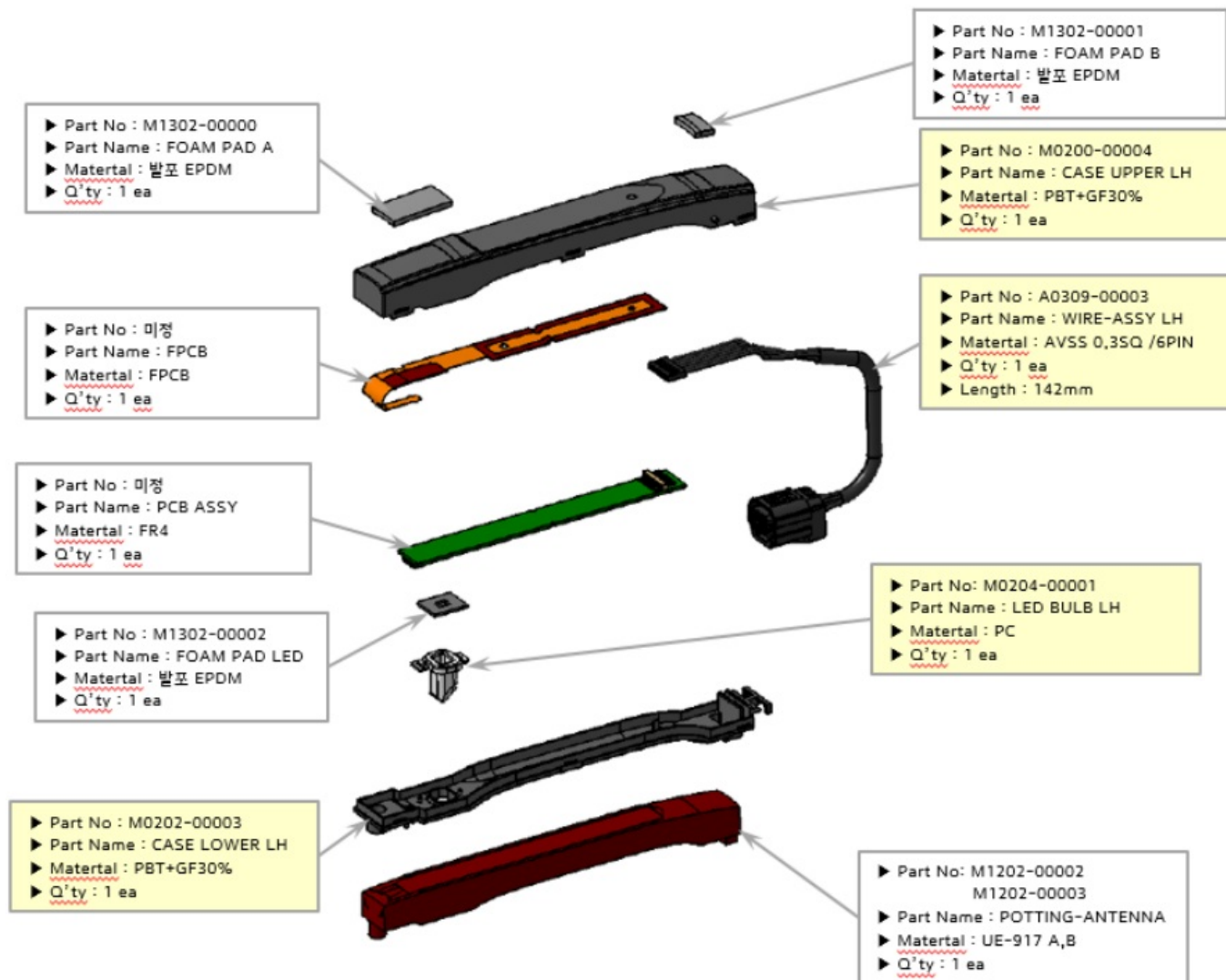
The door handle module for Automotive has a NFC Reader and lock/Unlock 2ChannelCapacitive touch Sensor function. This module is installed inside of the door handle covers and will be attached to the outside door panel. This module is communicated with the CAN network which enables to connection to the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



[Assembled cover and DHS]

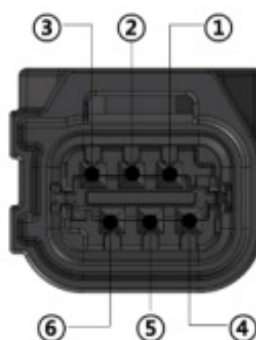
NFC DHS Design(BOM) & Application

CE -NFC Touch Door Handle



Attention

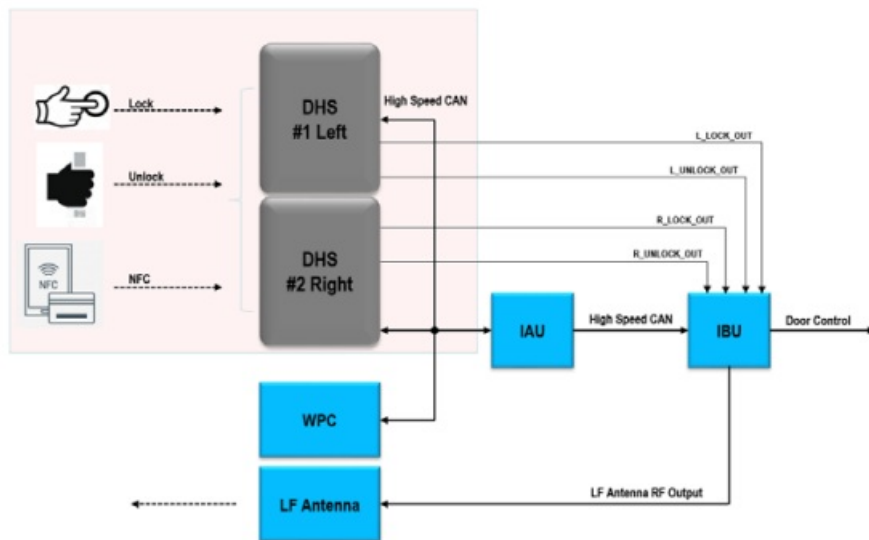
- Please always mount the Door handle Module before powering on the device to avoid circuit damage



- Before powering on the Module, check the power supply(Fig. 1)
- Module Input Power connects to the connector(Fig. 1)

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_1	LOCK	O	GRAY	
4	TOUCH_2	UNLOCK	O	PINK	
5	L_CAN(H)	CAN High Signal	I/O	BLUE	2.5±TBD V
6	GND	Electric Ground	Power	BLACK	Gnd

Specifications



[System Block Diagram]

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

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.
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.

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

Documents / Resources

	<p>WINNERCOM ON PE NFC Touch Door Handle [pdf] User Manual ONPE, 2AU37ONPE, ON PE NFC Touch Door Handle, ON PE NFC, Touch Door Handle, Door Handle</p>
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