



WINNERCOM SP2 PE NFC Touch Door Handle User Manual

[Home](#) » [Winnercom](#) » WINNERCOM SP2 PE NFC Touch Door Handle User Manual 



WINNERCOM

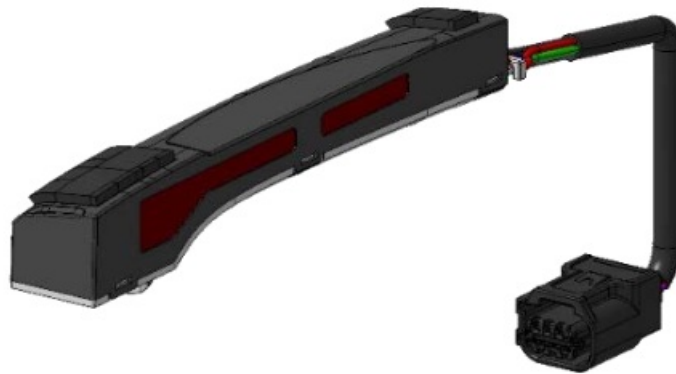
SP2 PE NFC Touch Door Handle
User Manual



Contents

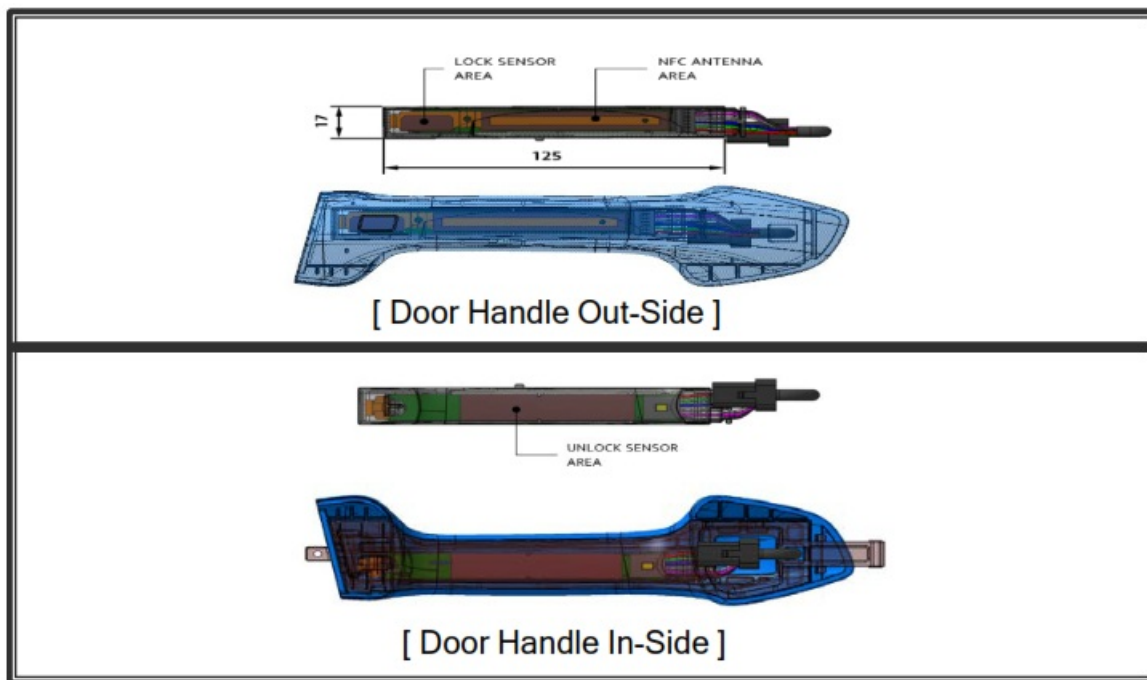
- [1 Introduction](#)
- [2 NFC DHS Design\(BOM\) & Application](#)
- [3 Attention](#)
- [4 Specifications](#)
- [5 user Information and Instructions](#)
- [6 Manufacturer information](#)
- [7 Documents / Resources](#)
- [8 Related Posts](#)

Introduction



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

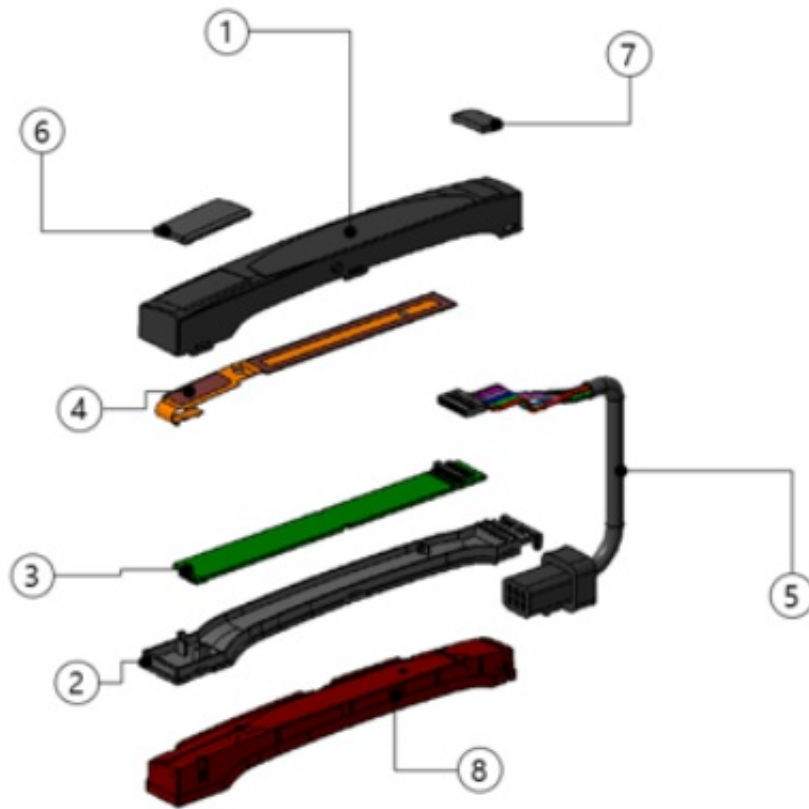
The door handle module for Automotive has an NFC Reader and lock/Unlock 2Channel Capacitive touch Sensor function. This module is installed inside of the door handle overs and will be attached to the outside door panel. This module is communicated with the CAN network which enables to connect to the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



NFC DHS Design(BOM) & Application

CE – NFC Touch Door Handle

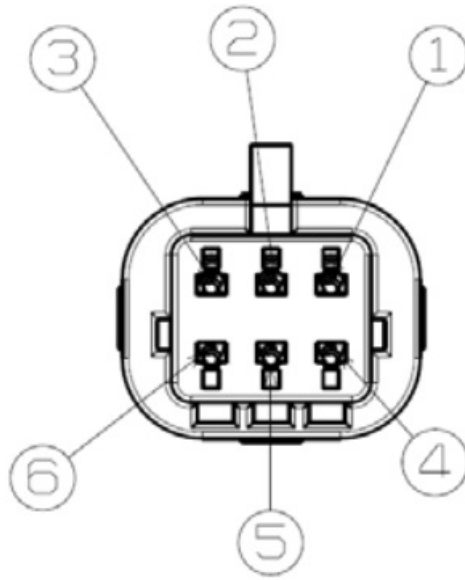
Category	Feature	
System	Micom	ATSAMC21E18A-MZT Cortex M0 @48MHz RAM 32kB, ROM 256kB
	NFC Processor	3A LOGICS, TNR100
	CAN Transceiver	NXP, TJA1044GTK/3, High-Speed CAN 500kbps
Mechanical Size	125 x 17 x 15.5(h) [mm] (Length x Width x Height)	
Weight	TBD(g)	
System Interface	NFC 13.56MHz NFC-A Type 4, Digital key 2.0	
	CAN Ver. 2.0 High Speed	
	Lock: direct contact Unlock: Handle Grip contact	
Diagnostics	Battery Voltage: Under Voltage & Over Voltage	
	Internal Temperature: Over Heating	
Pocket Lighting	N/A	



NO	LEV	SUB		
1	1	CASE UPPER		PBT+GF3096
2	1	CASE LOWER+)		PBT+GF30%43
3	1	PCB ASSY	TBD	FR-443
4	1	FPCB.	TBD43	
5	2	CABLE ASSY		AVSS 0350
6	1	FOAM PAD A		EPDM43
7	1	FOAM PAD		EPDM
8	1	ANT POTTING	ESP 1101243	UE-917 A,B

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)

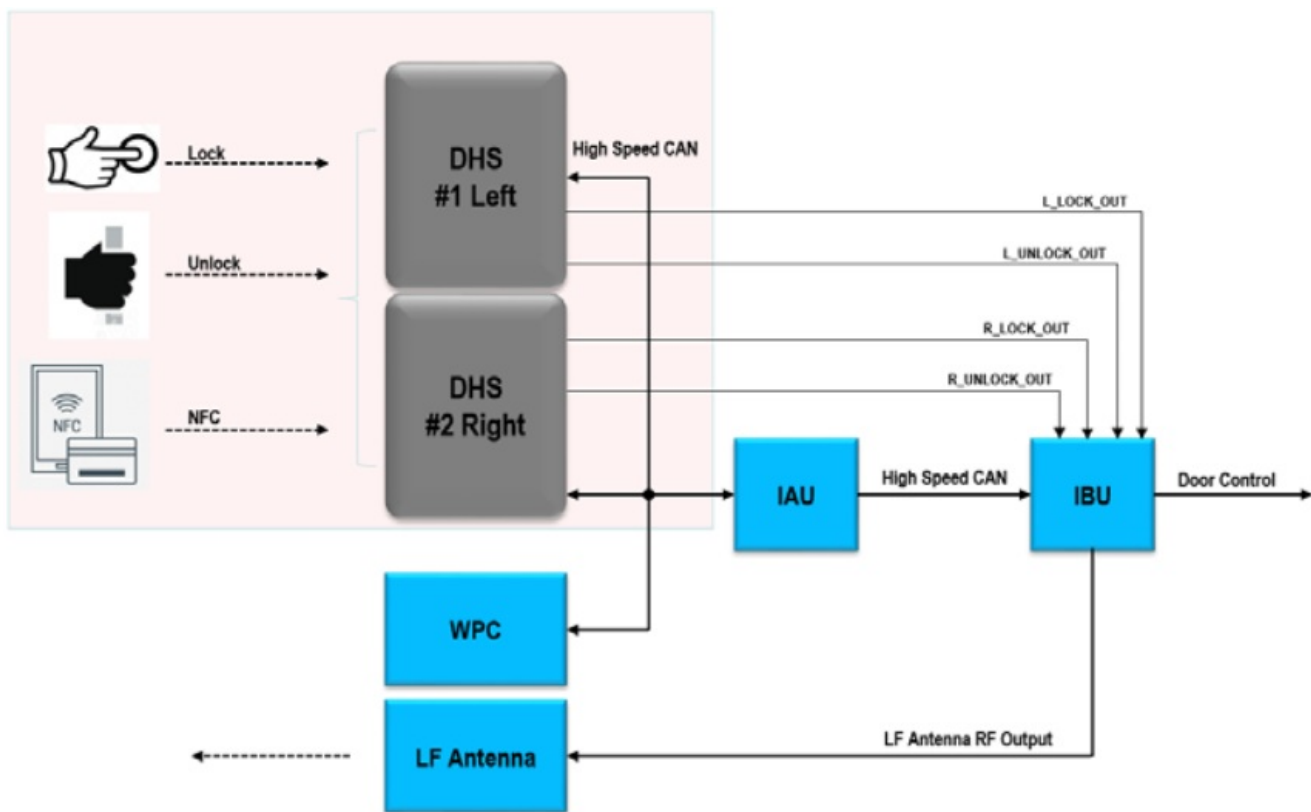


Pin #.	Name	Description	In/Out	Wire Color	I/O Level
1	V Bat(+Vcc)	Power Supply	Power	RED	Battery +
2	L_CAN(L)	CAN Low Signal	I/O	GREEN	2.5±TBD V
3	TOUCH_1	LOCK	O	GRAY	
4	TOUCH_2	UNLOCK	O	PINK	
5	L_CAN(H)	CAN High Signal	I/O	BLUE	2.5±TBD V
6	GND	Electric Ground	Power	BLACK	And

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



[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.

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

 The image shows the Winnercom logo at the top, followed by a small product image of a door handle. Below the image is a small text box with the product name and a QR code.	<p>WINNERCOM SP2 PE NFC Touch Door Handle [pdf] User Manual</p> <p>SP2PE, 2AU37SP2PE, QX 23MY, SP2 PE NFC Touch Door Handle, SP2 PE, NFC Touch Door Handle, Touch Door Handle, Door Handle, Handle</p>
--	--