

WCM

Wireless Charger Module



- WPC Qi Fast charging technology in Automotive
- Qi 1.2.4 certificated Qi ID : 13978
- Delivers up to 15 WATT fast charging , saving charging time
- Friendly user experience with
- Dual charging pad for driver and passenger side charging simultaneously.
- Enlarger area for free alignment position to charging space. (Multi-coils).
- High reliable safety protection with
- NFC card protection
- Foreign Object Detection (metal)
- Over temperature protection
- Smart Car access feature
- CCC Digital key 3.0 standard
- Bluetooth LE v 5.0 data communication and power management
- Ultra-wideband for smart key ranging and positioning
- NFC for contactless communication
- Upgradable function with
- OTA (Over the air programming) via CCU or CGW
- Vehicle CAN bus



Item	Description
WPC	<ul style="list-style-type: none"> • WPC Qi 1.2.4 • Max Power 15W *2 • Max Efficiency >65% • MP-A13 Coils
Electrical	<ul style="list-style-type: none"> • BATT 6V~17V (BAT 12V) • MAX 7.41A • Standby <100mA
SW	<ul style="list-style-type: none"> • AutoSAR Ready • Update by CAN bus
NFC	<ul style="list-style-type: none"> • ISO14443A/ B, iISO15693 and FeliCa, ISO 18092(NFCIP- 1)
BLE	<ul style="list-style-type: none"> • 2.4 GHz Bluetooth Low Energy (Bluetooth LE) version 5.0
UWB	<ul style="list-style-type: none"> • low - energy • IEEE 802.15.4 HRP UWB PHY and IEEE draft 802.15.4z BPRF/HPRF UWB PHY • Distance to a precision of up to 10 cm
Temperature	<ul style="list-style-type: none"> • Operation Temp -40~85°C • FOD Support Q factor and PWR loss detection • FAN for Cooling
Mechanical	<ul style="list-style-type: none"> • 190mm x170mm x50mm • ~500g
EMC	<ul style="list-style-type: none"> • ECE R10.05
CCC Digital Key 3.0	<ul style="list-style-type: none"> • Unlock / Lock the Vehicle • Digital Key Console