

Applications

- ✓ Smart and other Handhelds
- ✓ Hermetically Sealed Devices and Tools
- ✓ Cars and Other Vehicles
- ✓ Bluetooth Speaker
- ✓ Tabletop Charge Surfaces
- ✓ Other Portable Devices

Feature

- ✓ Standard : WPC1.1 Compliant
- ✓ Main Chipset : BQ500211A(TI)
- ✓ Tx Coil : Type A11, No Magnet
- ✓ Including FOD(Foreign Object Detection)
- ✓ Dynamic Power Limiting For USB and Limited Source Operation
- ✓ LED Indication Of Charging State and Fault Status
- ✓ Over Voltage Protection, Over Current Protection

Specifications

- ✓ Input : 5V/2A, 3-Type (Micro USB, Wire Solder, 4pin Connector(Molex 78171-0004 : DNI))
- ✓ Efficiency : 75% max
- ✓ Operation Frequency : 112~205kHz
- ✓ Size : 52 x 52 x 6.4mm

Easy Interface

Pin no.	Name	I/O	Description
1	Vcc	Input	Wireless Charger Input Power, 5V/2A
2	LED Red	Output	Charging State Indication LED
3	LED Green	Output	Charging State Indication LED
4	GND	NA	GND

Wireless Power Tx Module

FIT-WPT110M

LED Modes

LED	Operational States				
	STANDBY	POWER TRANSFER	CHARGE COMPLETE	FAULT	DYNAMIC POWER LIMITING
Green	Off	Off	On	Blink Slow	On
Red	Off	On	Off	Off	Off

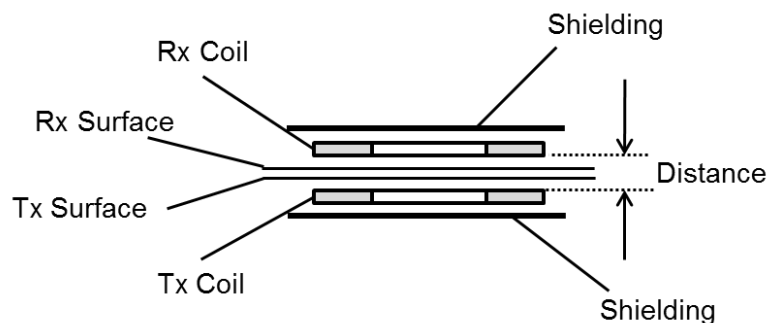
When you use external LED

1. Remove R27, R28 from Module.
2. Connect each color LED to **R**(RED), **G**(GREEN) pins.
3. Resistance of R, G pins are R57, R58.
Both default value are 470 Ohm.



Distance of between Rx coil and Tx coil

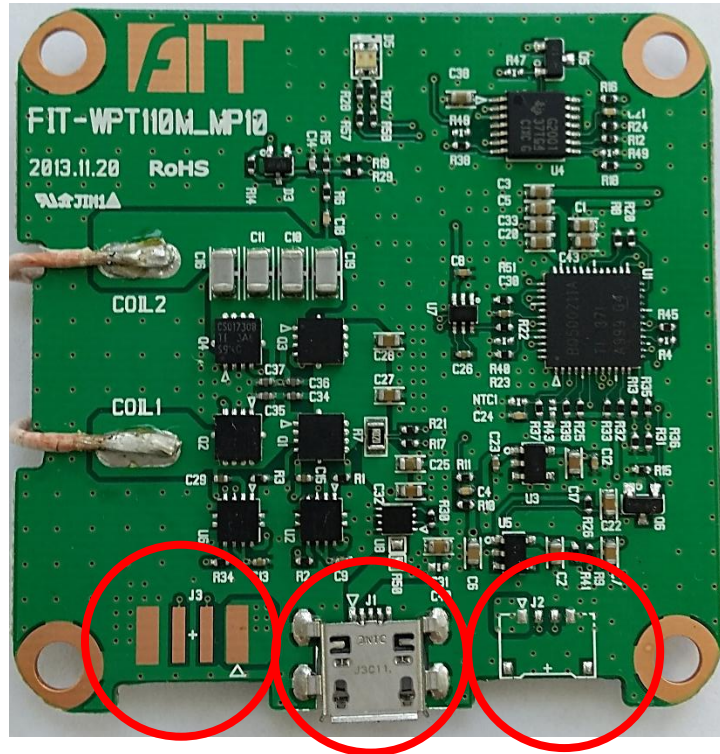
- ✓ Suitable distance is about 3~4mm.
- ✓ Lay Rx, Tx Shielding out both ends.



Wireless Power Tx Module

FIT-WPT110M

Interface



Wire Solder Micro USB 4-Pin Conn.

3-Type I/O

1. Wire Solder

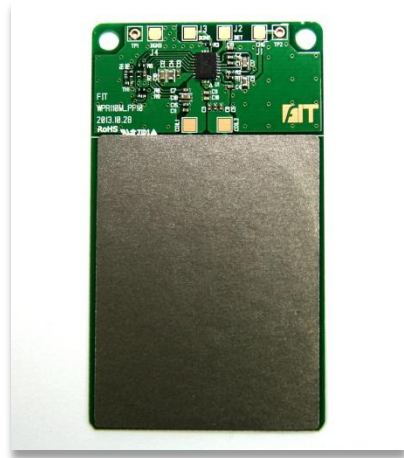
- ✓ Vcc : Input 5V/2A
- ✓ R : Output 3.3V, LED RED
- ✓ G : Output 3.3V, LED GREEN
- ✓ GND

2. Micro USB (Type B)

- ✓ Input 5V/2A

3. 4-Pin Board-to-Wire Connector

- ✓ Molex 78171-0004
- ✓ DNI (Do Not Insert)



Applications

- ✓ Smart and other Handhelds
- ✓ Hermetically Sealed Devices and Tools
- ✓ Other Portable Devices
- ✓ Other else applications

Feature

- ✓ Standard : WPC1.1 Compliant
- ✓ Main Chipset : BQ51013B(TI)
- ✓ Including FOD(Foreign Object Detection)
- ✓ Rx Coil : PCB Pattern
- ✓ Over Voltage Protection, Over Current Protection
- ✓ Thermal Shutdown

Specifications

- ✓ Output : 5V / 1A max, Recommended 5V / 400~700mA
- ✓ Efficiency : 73% max
- ✓ Operation Frequency : 112~205kHz
- ✓ Size : 40 x 70 x 0.7mm, max 1.4mm(Component Part)

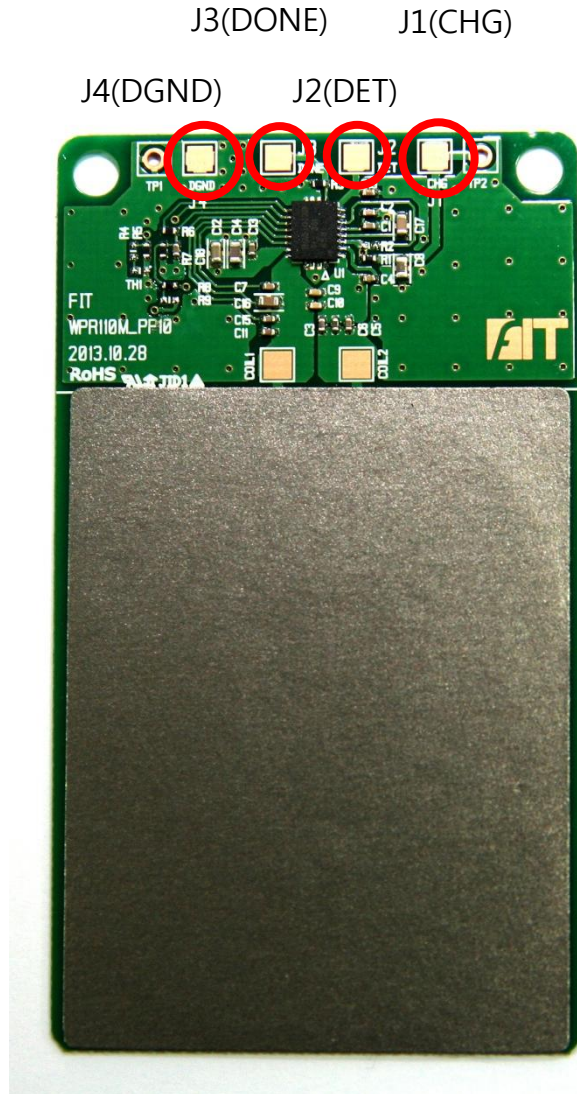
Easy Interface

Pin no.	Name	I/O	Description
J1	Vcc	Output	Wireless Charger Input Power, 5V/1A max
J2	CHG_DET	Input	Wired Charging Indication pin. If Wired Adaptor is used, Wireless charging is stop
J3	CHG_DONE	Input	Charging done Indication pin
J4	GND	NA	GND

Wireless Power Rx Module

FIT-WPR110M

Interface



- ✓ J1(CHG) : Vcc, Output, 5V/1A Max.
- ✓ J2(DET) : Wired Charging Indication, Input
- ✓ J3(DONE) : Charging Done Indication, Input
- ✓ J4(DGND) : GND

◆ **Contact Us :** marketing@fit2u.kr