

Product Code: Qi-1208A	Product Name: Qi Single Wireless Charger (Transmitter/TX)	Date: 2012-11-15
Product Description: Qi Double Wireless Charger,It is apply to all Qi standards products which built-in receiver,doing wireless charging.		Revision: A1
Hardware design: Mr. Bo	Software design: Mr. Wang	Test engineers: Mr. Wu
		Mechanism design: Mr. Zhu



Revision	Remarks	Date
A0	Release	2012-5-8
A1	Release	2012-6-9

1. Electrical specifications

1.1. Physical Properties

Dimensions	(L)175*(W)130*(H)12mm
Products weight	350g

1.2. Electrical specifications

Power Input	AC Adapter: AC100-240V, DC 18V/ 1.65A, 3.5 DC.
USB output	5V/2.1A, 10W, Charging for iPad and other smart phone.
Wireless output	DC 6V-9V / Sinusoidal voltage, 5W*2
Charging frequency	110K-132 KHZ
Standby power	< 0.3W
Wireless distance	5~8mm
Coil Alignment	Guided Positioning with tactile feedback (Magnetic Attraction)
Wireless efficiency	70% max
Ripple & Noise	< 50mV
Temperature protection	60°C
Protection function	OVP/OCP/OTP/SCP
State remind	LED & Buzzer
Compatibility	All wireless charging receiver terminal facilities that comply with Qi Standard.
Regulatory & Compliance	Design conforms to the Qi standard/Energy star/ERP/CE/FCC/C-Tick, Manufacturing conform to RoHS/REACH.
Operating Temperature / Humidity	0°C (32 F) – 40°C (104 F), 10 – 85%
Storage Temperature / Humidity	-20°C (-4 F), 60°C (140 F), 95%

1.3. State remind

LED State	Standby	Deviating	Charging	Charging end	Failure
Red	/	/	Light	/	Rapid Flash
Green	/	/	/	Light	/

2. User Interface Guide

- 2.1. When you plug AC adapter and single wireless charger into the socket on the wall, QI product in on standby.
- 2.2. When a USB device is plugged into the USB socket, up to 2.1A of power will be supplied immediately.
- 2.3. If a Qi wireless mobile phone placed to Qi logo center position, If a Qi sleeve or Qi battery pack placed to Qi logo center position, Red LED will be lighted mobile phones show charging.
- 2.4. If the Qi device charging end, Green LED will light.
- 2.5. If the Qi device deviating from the coil center too much, LED will turn on slow flashing warning users position shift and stop charging. If you move back to the center position, charge will automatically start(ref. 2.3).
- 2.6. If Qi device malfunction, Red LED will Rapid Flash.

Note:

charging saturation tip is from phones emit signal instruction.

3. ID/CMF



Noted:

The above process only for reference , will eventually refer to tooling to revise.

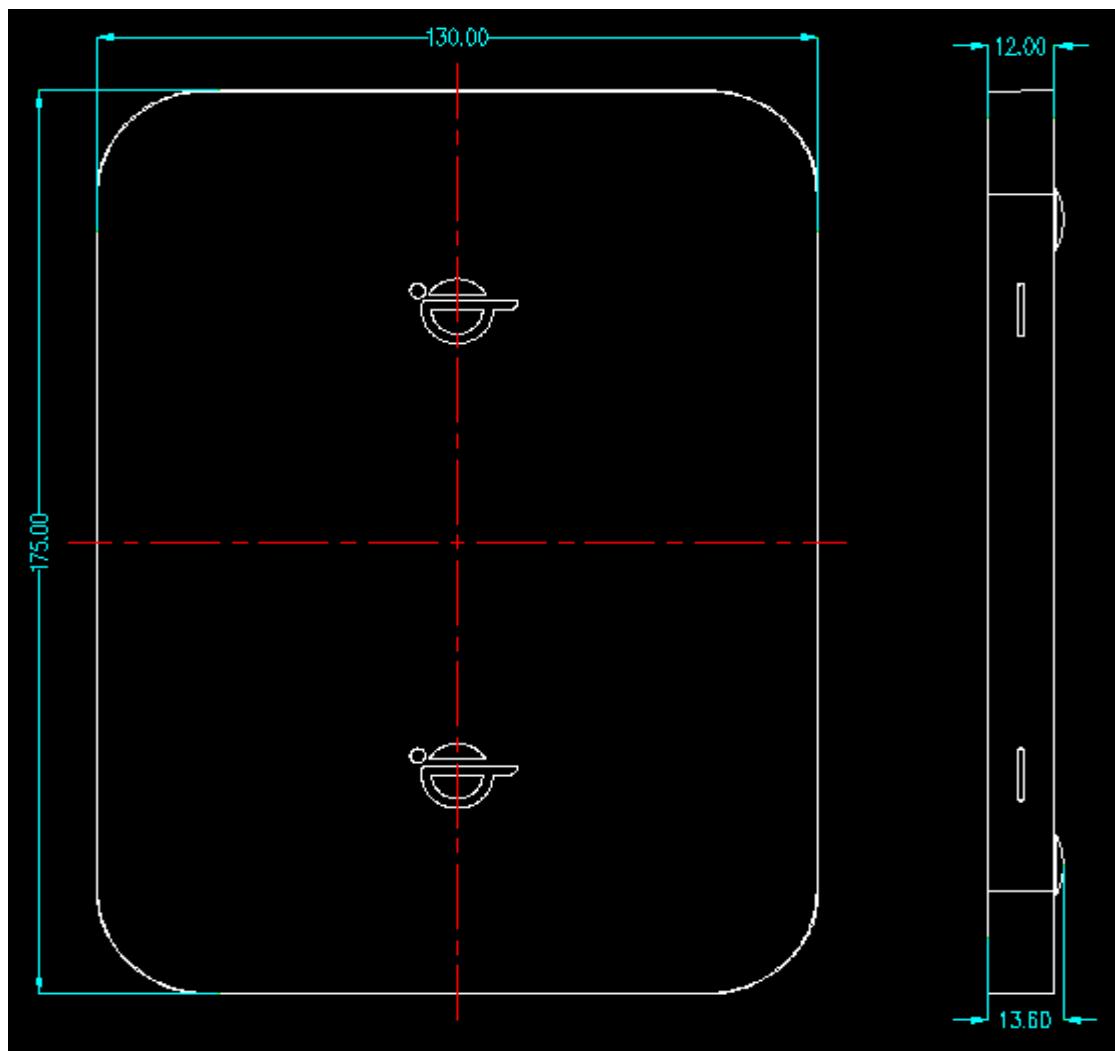
4. PCBA Module



Noted:

1. The PCBA is a standard parts.
2. Can accept customization.
3. The above picture is only for reference.

5. Mechanism size drawing



6. AC Adapter (But according to demand specially)

1. AC adapter will have two versions: US/OUS.
2. US versions is not be separated plug.
3. OUS versions with UL/AU/VDE/UK Plug.
4. Can accept customization other plug.
5. Adapter conforms to the global certification.

Warning:

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.



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