

QPP-1090 Wireless Charging Pad

Features

- WPC Qi V1.2.4 certified, compatible with all Qi enabled devices.
- Wireless fast charge to Apple iPhone X, iPhone 8 plus, iPhone 8 and Samsung S8, S8 edge, S7, S7 edge, S6 edge+, Note5.
- Simlpely integrated in any products like household electrical appliances, furnitures, ceramics, cars and public facilities.
- Simple retrofitting into furniture by drilling from above or from the below of the surface.
- USB Jack, charging cable.
- Optional accessory : QC 3.0 adapter

Input Characteristics

• Input Voltage & Frequency

ltem	Minimum	Normal	Maximum
Input Voltage	4.75VDC	9.0VDC	9.5VDC

Charging Mode	Qi 5W	Qi 10W	Samsung Fast Charger	iPhone Fast Charger
Frequency	110 ~ 205 kHz		127.7kHz ± 0.4kHz	

Input Current
 1.75A max. @ 9.0VDC
 1.65A max. @ 5.0VDC

Full load Full load

- Rush Current (cold)
 2.00A max. @ 9.0VDC
 1.85A max. @ 5.0VDC
 Full load & Ambient temperature 25°C
 Full load & Ambient temperature 25°C
 - Energy Consumption ≤ 0.625W

Output Characteristics

• Output Mode at the Receiving End

TV Input	Charging Mode (RX)				
TX Input Voltage	Qi 5W	Qi 10W	Samsung Fast Charger	iPhone Fast Charger	
9.0VDC	V	V	V	V	
5.0VDC	V				

Protection Requirement

• Short Circuit Protection

When the output of RX is short-circuited, the input power should decrease or stop supplying so that the power supply will not be damaged. And it should automatically recover when the fault is resolved.





Over Current Protection (OCP)
 OCP Point Limited : 120%~130% auto restart
 When the output at the receiving end exceeds the OCP point, the current output should stop immediately; and restored when the fault is resolved.

Reliability Requirements

Reliability Test

Test items	Test conditions	
Storage at high temperature test	+60°C, 16hours	
Storage at low temperature test	-20°C, 16hours	
Operating at high temperature test	+40°C, 8hours	
Operating at low temperature test	-20°C, 8hours	
High / Low temperature cycle test	+40°C (2Hrs) → -20°C (2Hrs) → +40°C (2Hrs) → -20°C (2Hrs) continually work 24hours	

• Burn-in : 2 hours under +35°C (±5°C), nominal input voltage, nominal load.

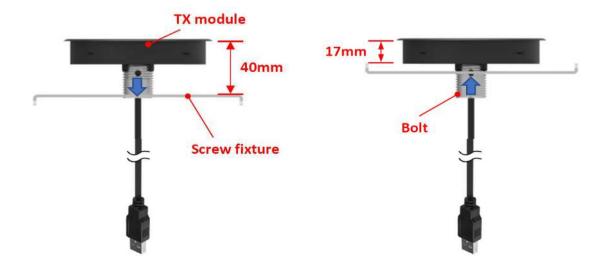
Environment Requirement

- Operating Temperature and Relative Humidity 0°C to +40°C, 20%RH to 80%RH @ altitude shall be below 10000 feet.
- Storage Temperature and Relative Humidity -20°C to +60°C, 10%RH to 90%RH (non-condensing) @ altitude shall be below 30000 feet.

Execution Standards (Compatible with these specifications)

EMC Standards
 EN55032 EN55024 FCC-Part15

Installation Method





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Note:

- (1) Screw fixture design enable you to secure the TX module to a range of work top thickness (17mm~40mm)
- (2) Fits the TX module into the hole in work surface from top.
- (3) Fits the screw fixture to a range of desk thickness and fix it with the screws.

Others

- Size : Φ84 * 44mm
- Weight : 136 ± 3g
- Please use the correct rated AC adapter to ensure the normal function.