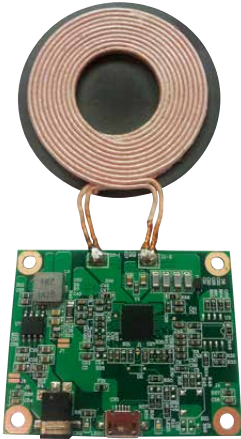


WPC Qi certification wireless charger Module

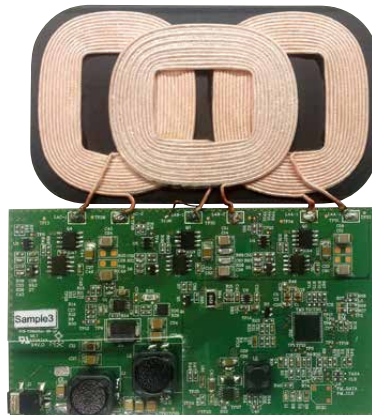


WPC-W-A-TX-A11-001
 Dim: 40x50x3.8mm (PCBA)
 Vin 5V/12V/19V (option)

Key Feature

- Small PCB, slim core and light weight.
- Support Wide range input voltage(5V 12 V 19V)
- Maximize application's mechanical/ID design possibility and business opportunities. (relatively easy to fit in existent devices.)
- product design platform (common parts).
- Board Size 40x50x3.8 ±0.1mm
- Protection Function(FOD OCP OVP OTP UVLO)

Vin	4.75~5.25V
Input current	1500mA
Standby power	<100mW
Tx input power	7.5W(Max)
Frequency	105~205khz

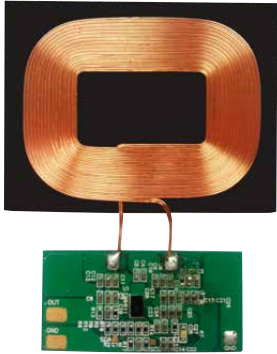


WPC-W-A-TX-A6-001
 Dim: 60x119x mm (PCBA)
 Vin 6V~19V Output Power: 5W(max)

Key Feature

- 12V Operation Conforms to Wireless Power Consortium (WPC1.1) Type A6 Transmitter Specification
- Fully WPC Compliant, Including Improved Foreign Object Detection (FOD) Method
- I2C Interface to Enable Control and Communication With Host Controllers. Read TX and RX Stats, Start Tx, and Shift Tx Operating Frequency.
- LED Indication of Charging State and Fault Status

WPC Qi Wireless RX Module



WPC-W-A-Rx-CF-001
 Dim: 15x30x1mm (PCBA)
 Coil Dim: 31x41x0.8mm

Key Feature

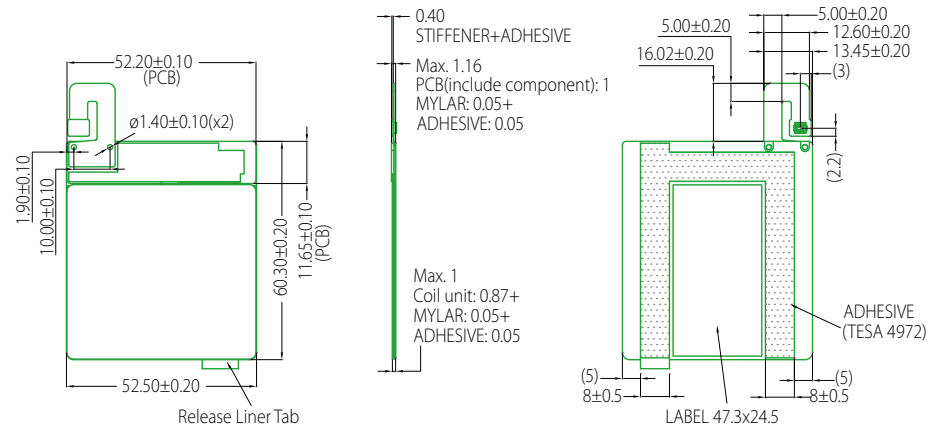
- Output Contact Easy to Adjustable
- Slim ($H < 1 \pm 0.1\text{mm}$)
- Combine Coil with Rx Circuit by FPC or Coil + PCBA
- Easy to Fit in Mobile Device
- Product design platform (common parts).
- Protection Function(FOD OCP)

Vin	Powered by WPC Qi TX
Vout	5V
Output current	1000mA (Max)

WPC+PMA+NFC Module



WPC-D-P-Rx-CF-001
 76.3x52.5x1.16mm



Coil Specification

WPC+PMA

- Inductance: $8.5\mu\text{H} \pm 10\%$
- DCR: 250mΩ Max.

NFC

- Inductance: $2.0\mu\text{H} \pm 15\%$
- DCR: 200mΩ Max.

Electical Specification


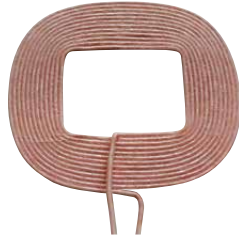

WPC

- Output Voltage: 5V
- Output Current: 700mA
- Efficiency: 73%

PMA


- Output Voltage: 5V
- Output Current: 700mA
- Efficiency: 64%

WPC TX COIL

						
Part Number	WPC-W-P-Tx-A6-005	WPC-W-P-Tx-A11-002	WPC-W-P-Tx-A11-003	WPC-W-P-Tx-A11-004	WPC-W-P-Tx-A6-003	WPC-W-P-Tx-A6-004
WPC compliant Tx type	A6	A11	A11	A11	A6	A6
Dimensions L x W x H (mm)	98.4 x 57.2 x 3.8	ø50 x 3.8	ø50 x 3.8	ø50 x 2.25	53.2 x 45.2 x 1.2	53.2 x 45.2 x 1.2
Coil Truns	1WIRE 1LAYERS/12T, 3 pcs	1WIRE 1LAYERS/10T	2WIRE 2LAYERS/10T	1WIRE 1LAYERS/10T	1WIRE 1LAYERS/12T	1WIRE 1LAYERS/12T
Inductance 100K Hz, 1V	11.5μH~12.5μH ±10%	6.3μH ±10%	6.3μH ±10%	6.3μH ±10%	7.0μH ±10%	7.0μH ±10%
DCR (Max)	73mΩ	45mΩ	25mΩ	45mΩ	25mΩ	25mΩ

WPC RX COIL



				
Part Number	WPC-W-P-Rx-CF-001	WPC-W-P-Rx-CF-003	WPC-W-P-Rx-CF-004	WPC-W-P-Rx-CF-007
Dimensions L x W x H (mm)	41 x 31 x 0.8	30 x 30 x 0.65	16 x 10 x 0.8	25 x 15 x 1.0
Coil Turns	2WIRE 1LAYERS/12T	2WIRE 1LAYERS/16T	1WIRE 2LAYERS/30T	2WIRE 2LAYERS/15T
Inductance 100K Hz, 1V	12 μ H \pm 10%	12.5 μ H \pm 10%	17 μ H \pm 10%	10 μ H \pm 10%
DCR (Max)	310m Ω	365m Ω	1.03m Ω	450m Ω