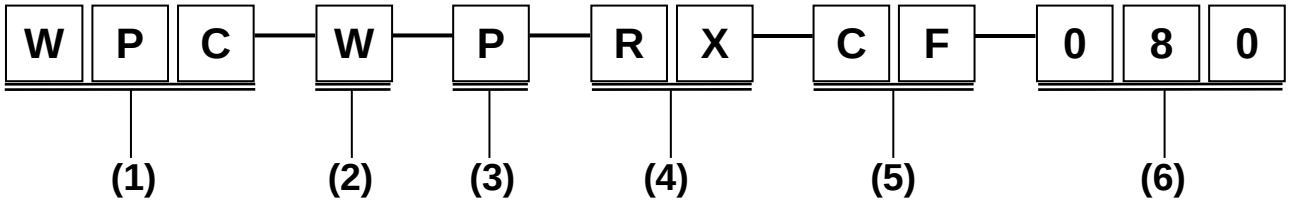
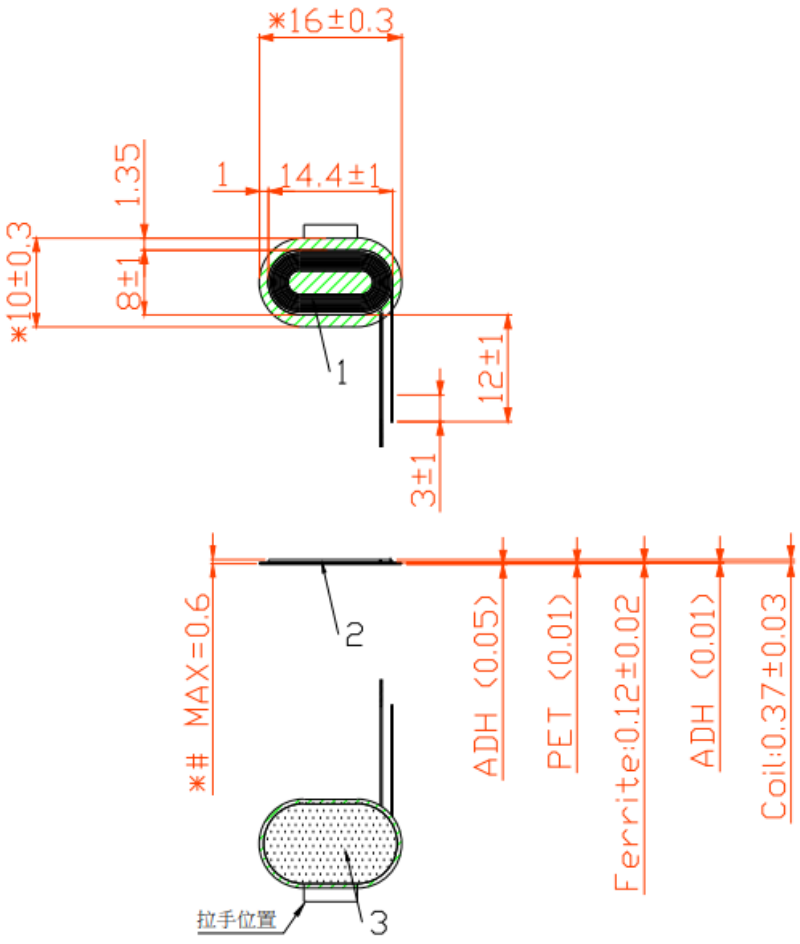
WPC-W-P-RX-CF-080 Specification

1. Explanation of Part Number:



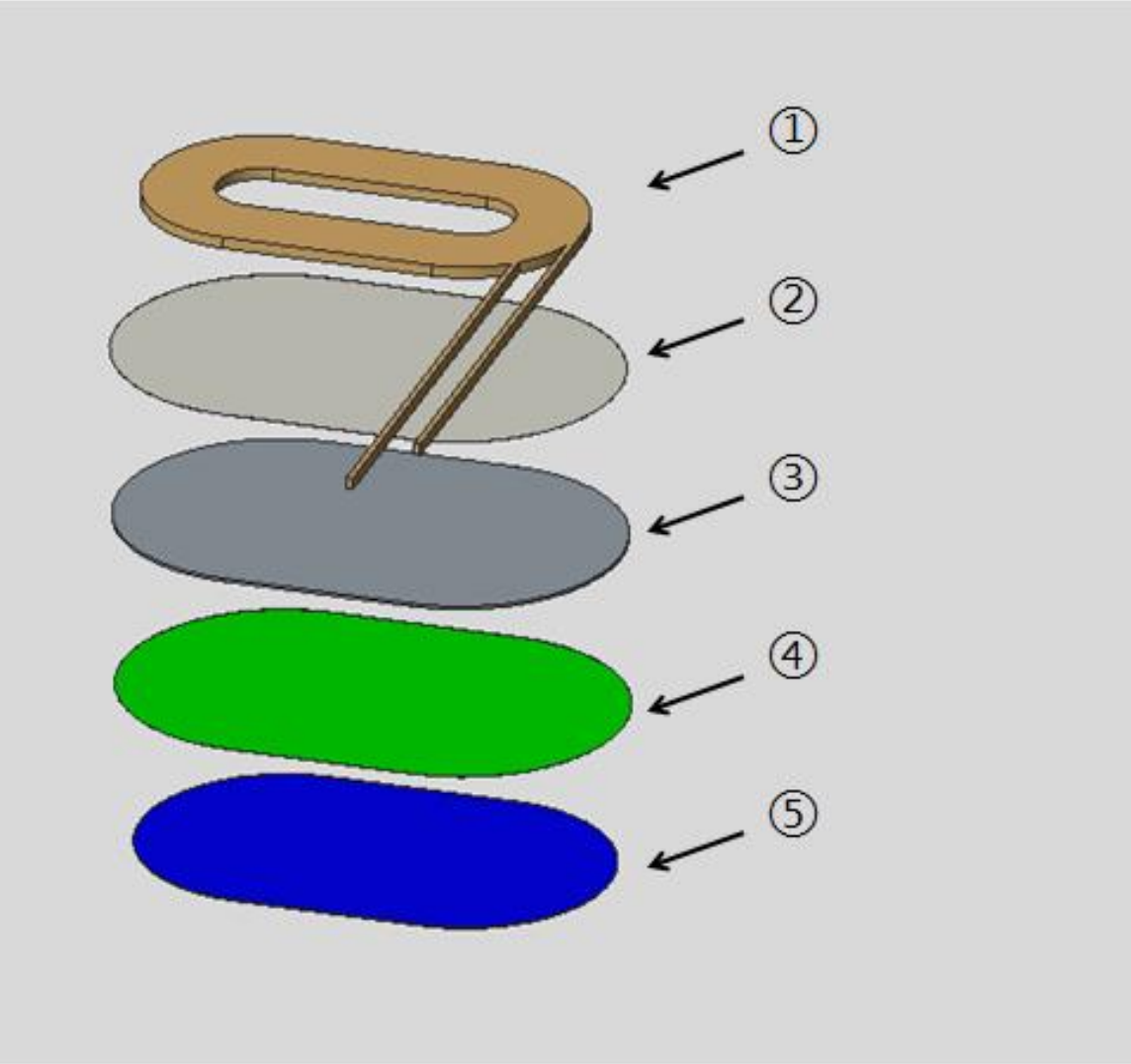
(1) Product type：Wireless Power Charging
(2) Mode：WPC
(3) Active or passive：Passive
(4) Type：Power Receiver
(5) Antenna material or type：Coil +Ferrite
(6) Suffix：Serial number

2. Dimension:



UNLESS OTHER SPECIFIED TOLERANCES ON： X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±			INPAQ TECHNOLOGY CO., LTD.
SCALE： N/A	UNIT：mm	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DRAWN BY:周敬晨	CHECKED BY:鄭榮謀		
DESIGNED BY:張肇庭	APPROVED BY:洪碩國		
TITLE：WPC-W-P-RX-CF-080 Specification		DOCUMENT NO. ENS000145350	SPEC REV. A0

3.Solid picture and Material list:



Index	Item	Description	Color	Q'ty
1	Coil	OD:14.4x8xT0.37	Pastel orange	1
2	Adhesive	OD:16x10xT0.01	Transparent	1
3	Ferrite	OD:16x10xT0.12	Black	1
4	Pet	OD:16x10xT0.01	Black	1
5	Adhesive	OD:15x9xT0.05	Transparent	1

4. Coil Specification:

a.) OD:14.4x8xT0.37

5. Test Condition:

5.1 Test Equipment

NO	ITEN	Maker/Part name	Remark
1	LCR Meter	WAYNE KERR 6500B	L/Q/Rdc Tester
2	Test Fixture	WAYNE KERR FIXTURE 20A 1030	
3	Calibration Kit	INPAQ Internal	

5.2 Electrical Specification

Coil		
Test Item	Test Condition	Specification
Inductance	100K Hz, 1V	17uH+/-10%
Q value	100K Hz, 1V	10Min
DCR	1Hz@25℃	1.03Ω Max
FLQ(100K~200K)		

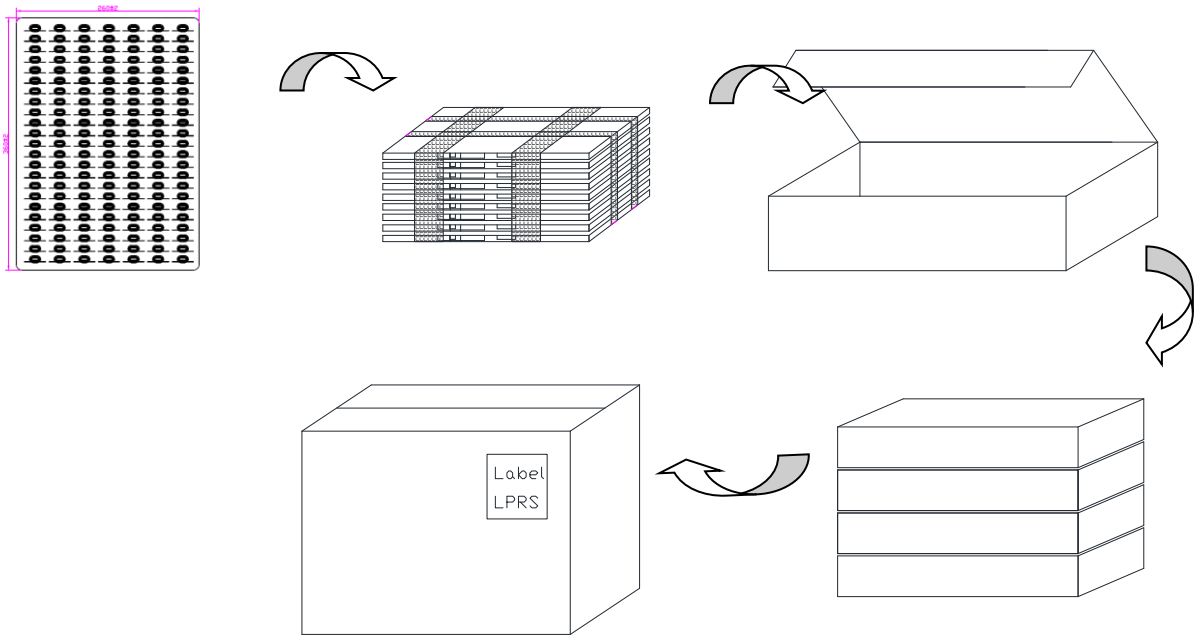
THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

6. Reliability Test:

NO	ITEM	Condition	Characteristics	Remark
1	High Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: 85 ±2 ℃, 96hr Measuring After 1-2hr at standard conditions.	- No electrical, appearance problem	
2	Low Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: -20±2 ℃, 96hr Measuring After 1-2hr at standard conditions.		
3	Temperature cycle Test	Initial value measured at standard test condition. Test Conditions: -20±2 ℃, 1hr➔5Min➔65 ±2 ℃, 1hr Test Cycle: 10 times Measuring After 1-2hr at standard conditions.		
4	High Temp &Humidity Storage Test	Initial value measured at standard test condition. Test Conditions: 85±2℃, 95±3% RH, 96hr Measuring After 1-2hr at standard conditions.		option

THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

7. Package Spec:



A small boxed : 20 pcs Tray + 1 empty Tray (total 2800 pcs), total number of samples 140 * 20 = 2800 pcs.

A Carton boxed include 4 small boxed, total number of samples 2800 * 4 = 11200 pcs.

8.Packing Information:

1.) Do not apply high mechanical force or damage on the products during attaching process.
2.) Do not store in high temperature or high humidity environments.
3.) Avoid heat shock, vibration, direct sunlight, etc.
4.) Do not store in corrosive gas atmosphere such as one containing sulfurous acid gas or alkaline gas.

9. Operating & Storage Condition:

1.) OPERATING TEMPERATURE RANGE: -20℃~+85℃
2.) STORAGE TEMPERATURE RANGE: -20℃~+85℃
9.1. Recommended storage condition：
Store in room condition as listed below: Temperature -20℃~+45ºC, Humidity 80% Max.