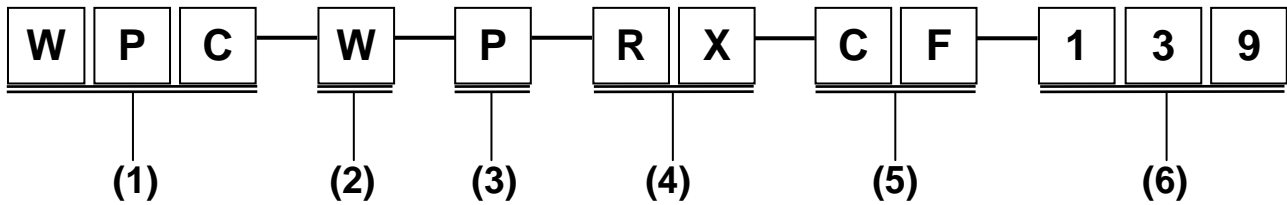


WPC-W-P-RX-CF-139 Specification

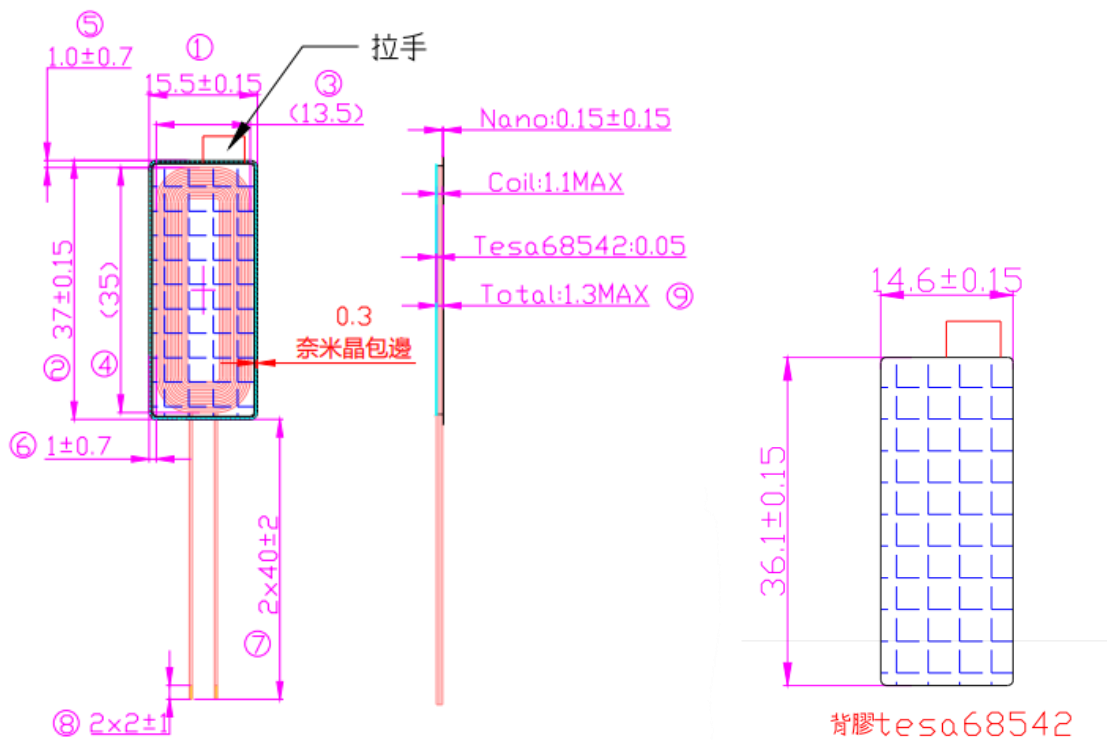
1. Explanation of Part Number :



- (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

UNLESS OTHER SPECIFIED TOLERANCES ON :			INPAQ TECHNOLOGY CO., LTD.
X=±	X.X=±		
ANGLES=±		HOLEDIA=±	
SCALE : N/A	UNIT : mm		
DRAWN BY:許皓凱	CHECKED BY:吳金依		
DESIGNED BY:許皓凱	APPROVED BY:洪碩國		
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			P0


2. Dimension:



3. Solid picture and Material list:

TBD

Index	Item	Description	Color	Q'ty
1	Nano	4 layers,37x15.5xT0.15mm	Silver	1
2	ADH	tesa68542,36.1x14.6xT0.05mm	White translucency	1
3	COIL	OD13.5x35xT1.1mm	Copper	1

UNLESS OTHER SPECIFIED TOLERANCES ON : X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 <p>INPAQ TECHNOLOGY CO., LTD.</p>			
SCALE : N/A	UNIT : mm				
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4. Coil Specification:

- a.) WIRE DIAMETER : 0.1x10P litz wire, OD13.5x35xT1.1mm
- b.) LAYERS : ALF, 2 LAYER

5. Test Condition:

5.1 Test Equipment

NO	ITEM	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	19.3 uH±10%
Q value	100K Hz, 1V	25 Min
DCR	1Hz@25°C	380 mΩ Max
FLQ(100K~200K)		

6. Reliability Test:

NO	ITEM	Condition	Characteristics	Remark
1	High Temp. Storage Test	Initial value measured at standard test condition. Test Conditions: 85 ±5 °C, 48hr 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: -40±5 °C, 48hr Measuring After 1-2hr at standard conditions.		
3	Temperature cycle Test	Initial value measured at standard test condition. Test Conditions: -40°C, 0.5hr→85°C, 0.5hr Test Cycle: 50 times		

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=±

ANGLES=± HOLEDIA=±



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY: 許皓凱

CHECKED BY: 吳金依

DESIGNED BY: 許皓凱

APPROVED BY: 洪碩國

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		Measuring After 1-2hr at standard conditions.	
4	High Temp & Humidity Storage Test	Initial value measured at standard test condition. Test Conditions: 85±5°C, 85±5% RH, 48hr Measuring After 1-2hr at standard conditions.	option
5	Salinity	Initial value measured at standard test condition. Test Conditions: 35°C, 5%, 48hr Measuring After 10min at cleaning with flowing water and 24hr at standard conditions.	option

7. Package Spec: TBD


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: -40°C~+85°C
 - 2.) STORAGE TEMPERATURE RANGE: -40°C~+85°C
- 9.1. Recommended storage condition :

Store in room condition as listed below: Temperature -20°C~+45°C, Humidity 80% Max.

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