

PCBA Sample Approval

SPECIFICATION FOR APPROVAL

	Supplier Name	Shenzhen Haitao Technology Co., Ltd.			
	Manufacturer	Shenzhen Haitao Technology Co., Ltd			
	Address	Building 2, Hezhou Interchange West District, Bao'an District, Shenzhen, Guangdong Province (Postcode: 518100)			
	Address	Building 2, West Zone, Hezhou Interchange, Bao'an District, Shenzhen, Guangdong Province (Postal Code: 518100)			
	Product model	HT-534M-V0.3			
	Product Code				
	Hardware version	HT-534M-V0.3			
	Software version				
	Delivery date	2024.3.20			
Supplier Approval	Engineering Department	Sales	Quality	Approval	
Customer Approval	Structure electronic packaging ID	Purchasing	Quality	PM Business	

Address:
Phone: Website:

Create/revise change history form

version	Revise page Revision page	Change time	Change time	Reason and content of the change Change the reason and content of the change	Remark
A0		2024.3.20		Version first release	
A1					
A2					
A3					
A4					
A5					
A6					

1. PCBA specifications

content	Parameters
Input interface	TYPE-
Fast Charge Protocol Supported Support fast charging protocol	QC2.0/QC3.0
Support input voltage	5V 9V
Phone Coil Power Output Mobile phone coil power output	15W, 10W, 7.5W, 5W
Wireless headphone power	15W, 10W, 7.5W, 5W
Sensing charging distance	1~6 mm
Operating frequency	1 10Khz~ 205Khz

2. Lighting description

Magnetic Coil Charging Indicator:	Headphone Coil Charging Indicator:
1. Power-On: Blue light flashes once then turns off	1. Power-On: Blue light flashes once then turns off
2. Standby: Blue light turns off	2. Standby: Blue light turns off
3. Charging: Blue light turns steadily on	3. Charging: Blue light turns steadily on
4.FOD: Blue light flashing	4.FOD: Blue light flashing
5.Full Charge: Blue light turns off	5.Full Charge: Blue light turns off

3. Conversion efficiency testing

Input Voltage and Current	Output Power	Efficiency	Remarks
9V/620mA-930mA	5	82%	5W fixture
9V/620mA-930mA	7.5W	75-78%	7.5W fixture
9V/1000mA-1300mA	10W	74-78%	10W fixture
9V/2100mA-2300mA	15W	72-79%	15W fixture

4. Product electrical parameters

	Test Conditions	Minimum Value	Rated Value	Maximum Value	Unit
Standby Current	VCC=9V	420		1300	mA
Standby power consumption	VCC=9V	0.4		2	W
Operating voltage	VCC=9V	5		9	V
Mainboard protection temperature					

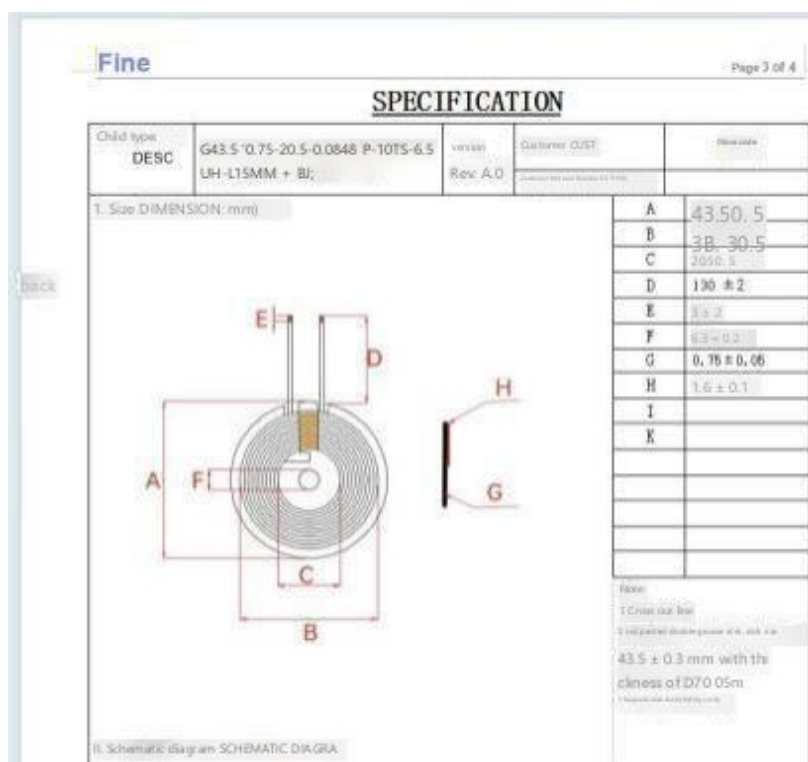
5. Limit parameters

Parameter	Symbol	Minimum Value	Maximum Value	Unit
Operating Temperature	Ta	-10	+35	°C
Storage Temperature	Tstg	-30	+70	°C
Storage Humidity	Tstr	0	95%	RH
Operating Protection Voltage	Vcc	4.2±0.2	10±0.2	V
Supply Current	Imax	0	3.5	A

6. Coil size description

Mobile Phone Coil:

Mobile phone coil:



Headphone Coil:

SPECIFICATION

Pinxichi: DESC:	G500.8-20.5-#-10TS-6.5 UH- L50MM + BJ	version Rev: A0	客戶 CUST:	Glaze code
			Customer material number (CUSTPN)	

1. Size DIMENSION (mm)

A	50 ± 0.5
B	40.50.5
C	20.6 ± 0.5
D	50 ± 2
E	3 ± 2
F	5.3 ± 0.2
G	0.8 ± 0.05
H	≤ 2.3
I	
J	

Notes:

1. Cross out

2. coil part not double-layered at 6, slide it up

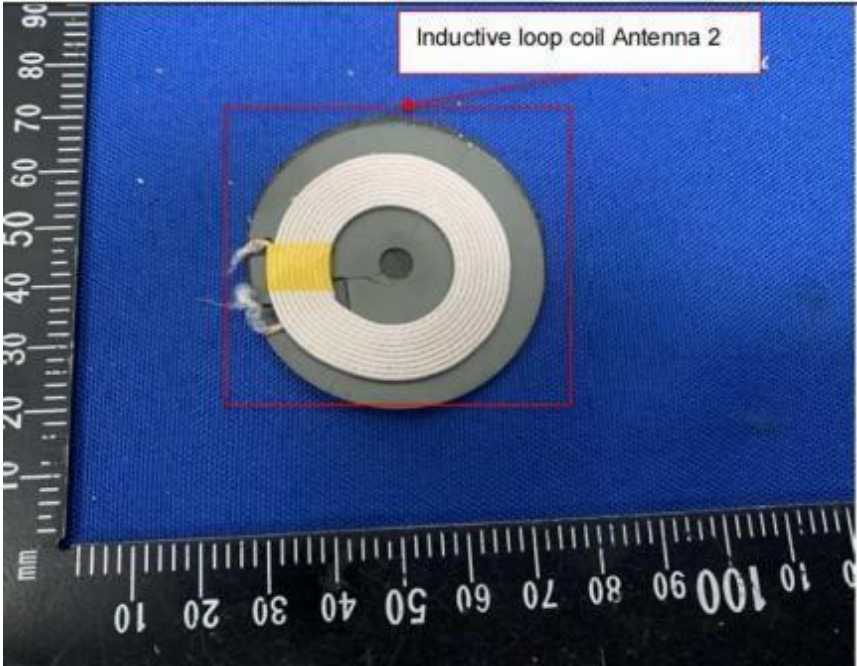
50 ± 0.5 mm in thickness

0.0.05mm

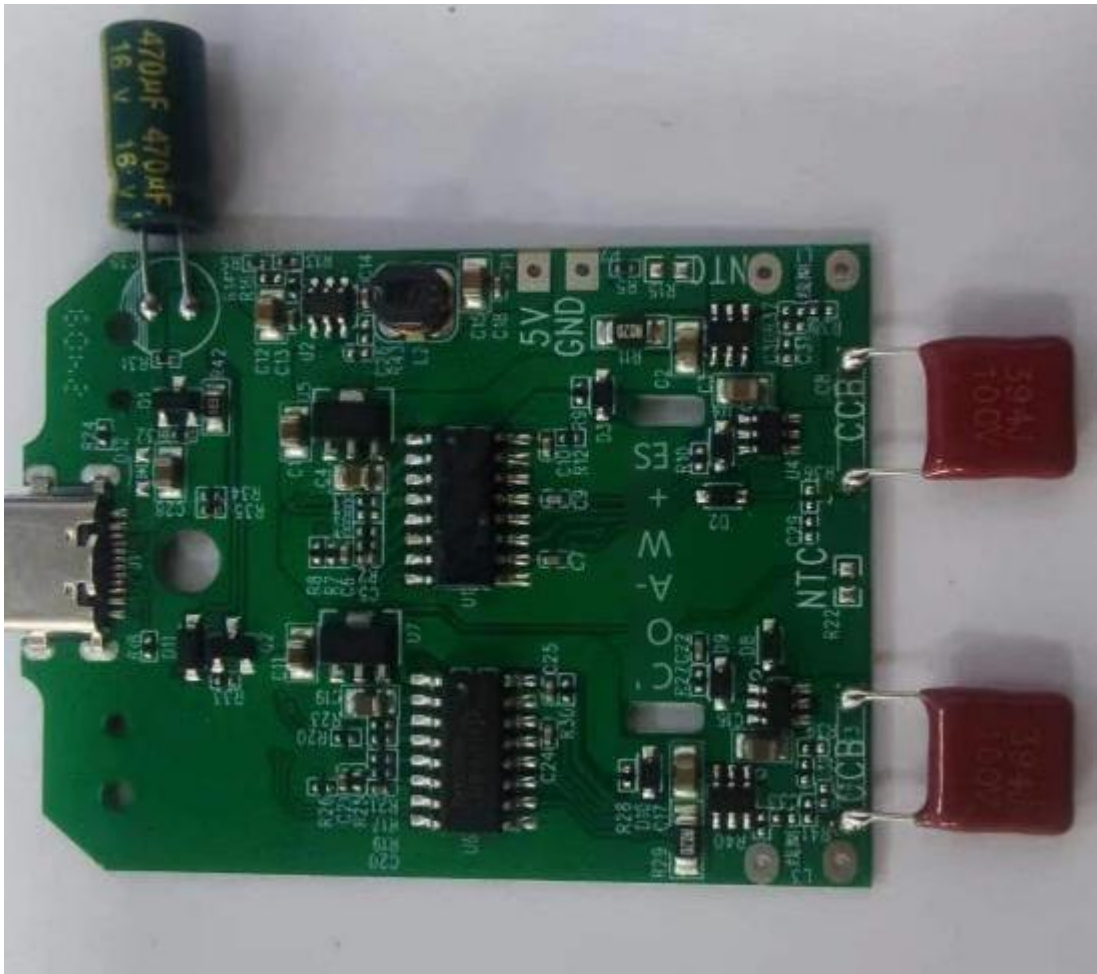
3. Magnet 1. Must follow flow with bearing

4.

II. SCHEMATIC DIAGRAM SCHEMATIC DIAGRAM



7. PCB size:



9Core materials

Master Chip	Yingjixin 6801	
Full bridge/MOS	AP10G02LI	
Resonant capacitor	CBB 394 100V	
Resistance brand	Thick voice, national giant	
Capacitor brand	Murata, Guoju, Sanxing	
Voltage reducing chip	R5352	

10Summary of Wireless Mobile Phone Charging Tests

Mobile phone model	ambient temperature	Charging time (0-100%)

Note: The time it takes to fully charge a wireless phone is easily affected by the environment. When the phone’s surface temperature is high, the phone will automatically send a power limit instruction to limit the transmitter from sending excessive power. Please note that the above test data is for reference only. The charging time is subject to actual testing.

10. Charging Curve, Full Charge Time: Ambient Temperature 26° C