

Sample approval Book

Model Name : Filter Board – V11+

Part Number: 1S15417A0

Date: 2025-11-20

	Quality Department	Engineering Department	Process Department
supplier	Huang Chenggang	Chen Zeren	Ding Jun
-----Signature/Seal Area----- -----			
client			

Document List

Seria l Num ber	File Name	result
1	Cover	■Yes/No
2	Document List	■Yes/No
3	Physical confirmation	■Yes/No
4	Quality Assurance Certificate	■Yes/No
5	Outgoing Inspection Report	■Yes/No
6	Dimensional Report	■Yes/No
7	Packaging Specifications	■Yes/No

Shenzhen Gaoyue Electronics Technology Co., Ltd.

Sample confirmation

Customer Model: Filter Board-V11+

Company Part Number:

1S15417A0

Compiler	Huang Chenggang	date	2025-11-20
approve	Ding Jun		

Sample 1: No obvious quality issues. During subsequent mass production, pay attention to optimizing the circuitry to improve the yield rate!

Customer confirmation:

Quality Assurance Certificate

To our customers:

We hereby guarantee that the following products comply with IPC-6013, IPC-A-600, and IPC-TM-650 requirements or order-related requirements. All products are manufactured under our strict process control and do not contain any environmentally harmful substances (compliant with RoHS requirements).

Customer Model	Company Part Number	quantity	date
Filter board-V11+	1S15417A0	2500 PCS	2025-11-20

Authorized person's signature: Ding handsome

Outgoing Inspection Report

Company Part Number	1S15417A0	client name	Giant Yang science and technology	Customer Model	Filter board-V11+
Shipment quantity	2500 PCS	Type	Wireless charging antenna coils		

I. Specifications, Structure and Routine Inspection

project	Require				determination
structure	☐ Perforated panel ☒ Single-sided panel ☐ Double-sided panel ☐ () layers ☐ Battery panel ☐ Camera panel ☐ Fine-grained circuit boards ☐ Multilayer flexible boards and layered boards ☐ Rigid-flex boards ☐ TP boards				☒ Acc ☐ Rej
main Material Specification	Copper Clad Laminates	Substrate 1	☒ PI 25um ☐ PET mil		☒ Acc ☐ Rej
		copper foil	☐ RA 1/1 oz ☒ ED 18 um		☒ Acc ☐ Rej
		Adhesive	☒ Epoxy 13um ☐ Crylic /		☒ Acc ☐ Rej
	Copper Clad Laminates	Covering film	☒ PI 25um ☐ PET 12.5 mil		☒ Acc ☐ Rej
		Adhesive	☒ Epoxy 25 um ☐ Crylic 15 um		☒ Acc ☐ Rej
	Reinforcement 1	category		thickness	☐ Acc ☐ Rej
	Reinforcement 2	category		thickness	☐ Acc ☐ Rej
	Reinforcement 3	category		thickness	☐ Acc ☐ Rej
	glue	☒ 3M467 ☐ ADI-25P (W) ☐ TESA60262 (Conductive Adhesive) ☐ Conductive Thermosetting Adhesive ☐ Black Electromagnetic Film			☒ Acc ☐ Rej
print	Word	model	color	Location	
		☒ S -411 W ☐ ZSR-150	☒ Black Orange ☒ WhiteWhite	☐ Front Top ☒ Reverse B0t	☒ Acc ☐ Rej
reliability test	FPC open-short circuit test	Require		result	
		Passed 100% electrical testing.		qualified	☒ Acc ☐ Rej

II. Inspection of plate thickness, line width, and line spacing (unit: mm)

project	Require	Test data					determination
FPC finished board thickness	0.10 ± 0.03	0.011	0.012	0.010	0.011	0.012	☒ Acc ☐ Rej
Minimum line width	0.20 ± 0.02	0.202	0.203	0.201	0.200	0.201	☒ Acc ☐ Rej

III. Inspection of gold plating thickness (unit: μm)							
project	Require	Test data					determination
AU	0.0254–0.0508	0.031	0.032	0.030	0.033	0.031	☒ Acc ☐ Rej
NI	1–3	2.123	2.085	2.312	2.197	2.204	☒ Acc ☐ Rej

IV. Visual Inspection			
project	Require	determination	
Data Code	☐ YYMMDD ☒ YYWW ☐ WWYY	☒ Acc ☐ Rej	
Customer data compliance	All designs are based on client requirements.	☒ Acc ☐ Rej	
Visual inspection	100% of the appearance items passed.	☒ Acc ☐ Rej	

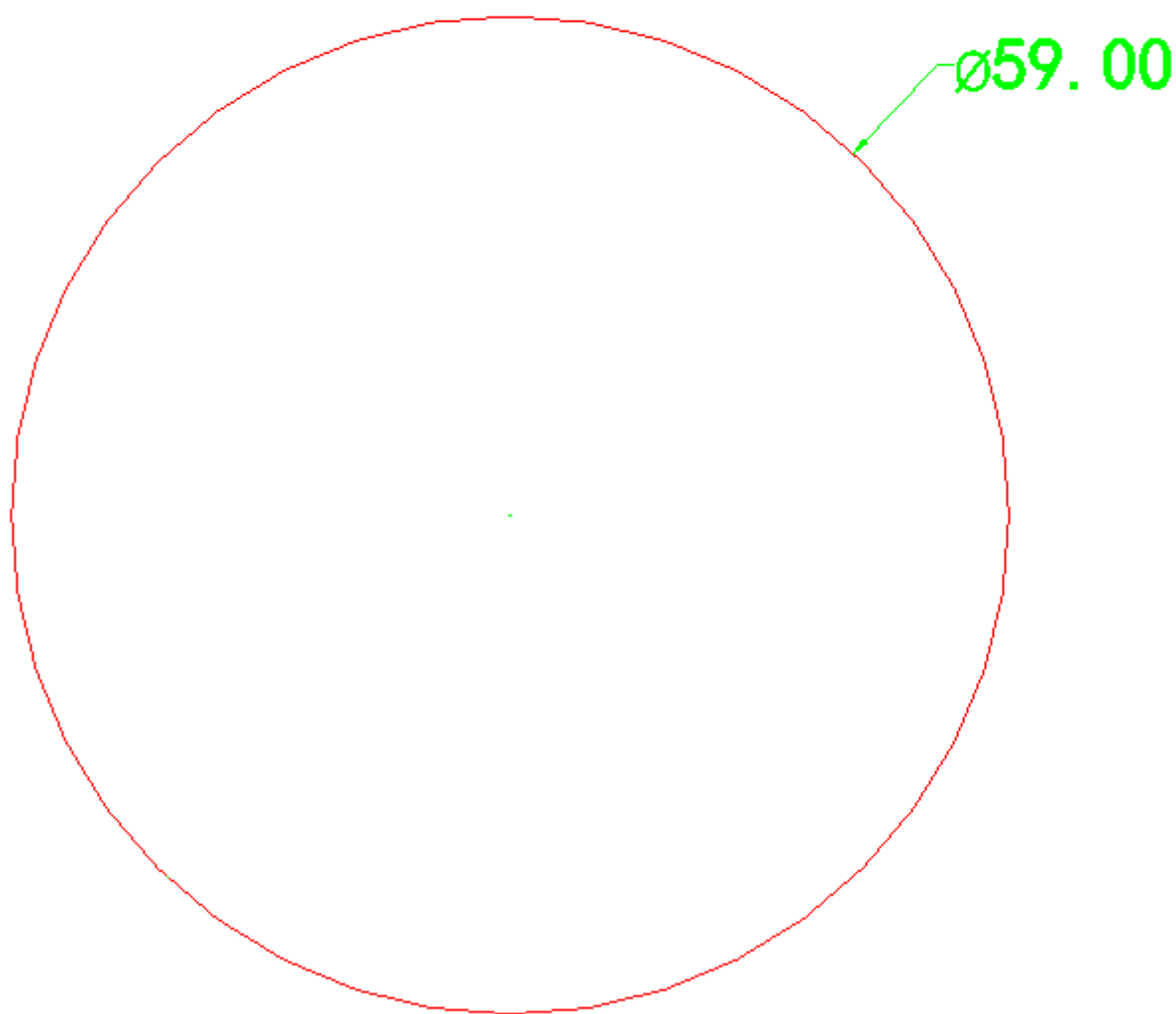
Dimension Report

– Critical Dimensions

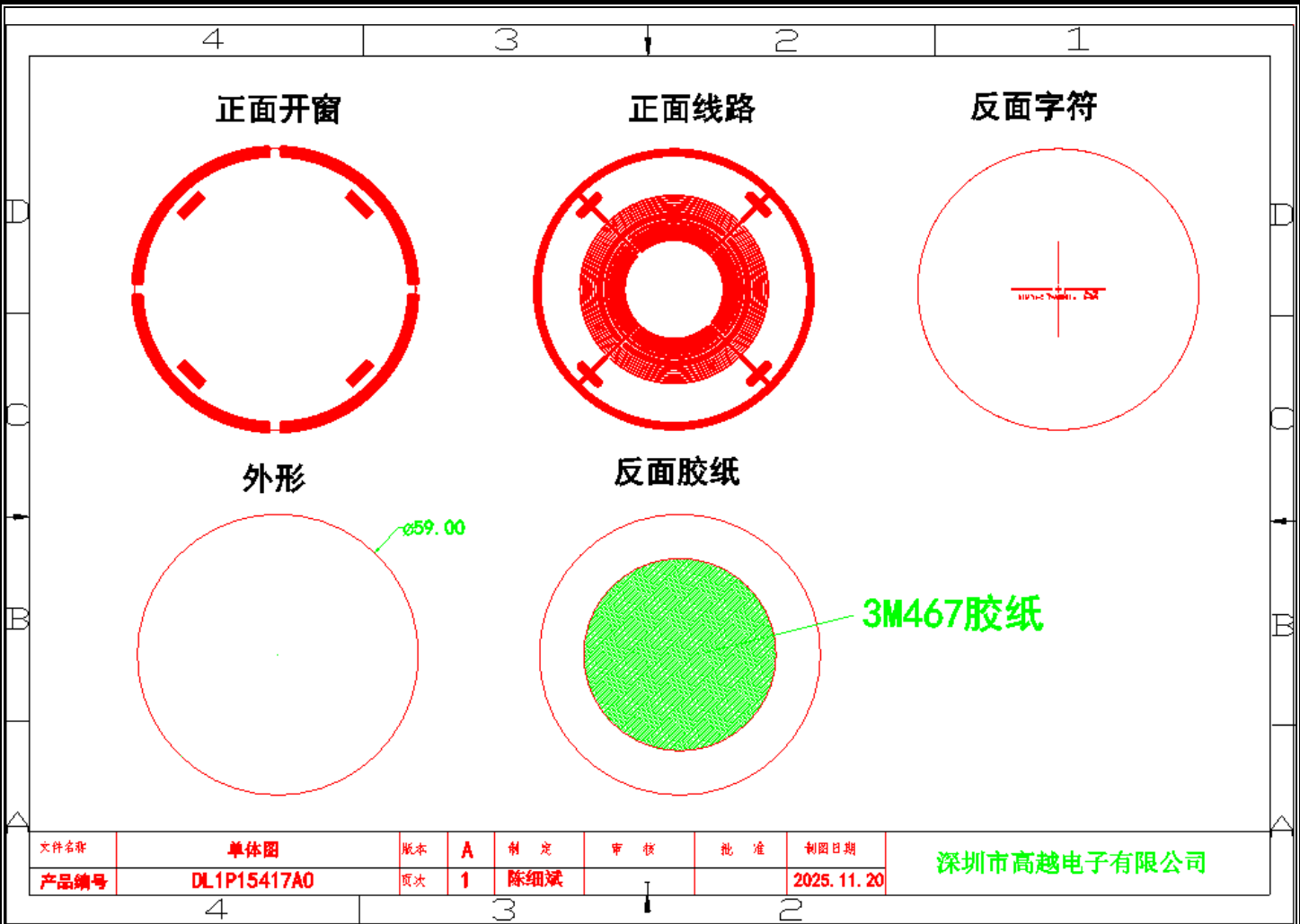
Customer Name		Juyang Technology Co. , Ltd.				Company Part Number		1S15417A0	
Customer Model		Filter board-V11+				Detection		Wu Qinying	
date		2025-11-20				Review		Huang Chenggang	
tolerance:						☒ mm ☐ mil ☐ inch			
No .	Require	measured data						determination	
1	59.00 ±0.1	59.01	59.02	59.05	59.03	59.00	☒ Acc ☐ Rej		

External Measurement Drawings

外形



Monomer structure diagram



Packaging Specifications

I. Packaging Requirements :

Item	Requirement	Result Description	Judge
Packaging Pack Mode	■ Normal □ Special	Vacuum packaging	■ Acc □ Rej

Logo/Label Label	☒ Yes ☐ No	Quantity Label	☒ Acc ☐ Rej
Attached relevant materials Correlation Data	☒ Yes ☐ No	See document list	☒ Acc ☐ Rej

II. Product storage conditions :

1、Temperature: 16-26℃ Humidity: 40-75%

2、Storage time

Packaging Shelf life Surface treatment	Vacuum packaging	Non-vacuum packaging
Antioxidant	Three months	One week
Chemical or electroplated gold	One year	Six months
Hot air leveling or pure tin plating	Six months	Six months

Note: If the warranty period has expired, the relevant characteristics and performance will be re-examined, and an extension period will be confirmed.

III. Packaging Specifications

project	content
Inner packaging	Antistatic bags
Outer packaging	Ordinary cardboard packaging
Remark	

Compiled by: Huang Chenggang; Reviewed by: Ding handsome