

Specification sheet

Star Card Technology

Customer name

Customer P/N

Article Description

TOXU Part No.

Approval sheet No.

Date

PCB substrate+pin inductance, I45*12*5-630UH,

L*W*T=57*24.8

*13MM, Equipped with a 2.5 pitch horizontal 2PIN seat,
ROHS

KC. IG. 00161

A20260114-001

2026.03.04

Signature confirmation

Supplier signature

Customer signature

Li Dewen

seal :

seal :

date

2026.03.04

date

Remarks :

DIRECTORY

1. CATALOGUE

2. MODIFYLIST

3. PHYSICALDIMENSION

4. WINDINGTABLE/SCHEMATIC

5. ELECTRICALCHARACTERISTIC

6. TEST REPORT

7. material

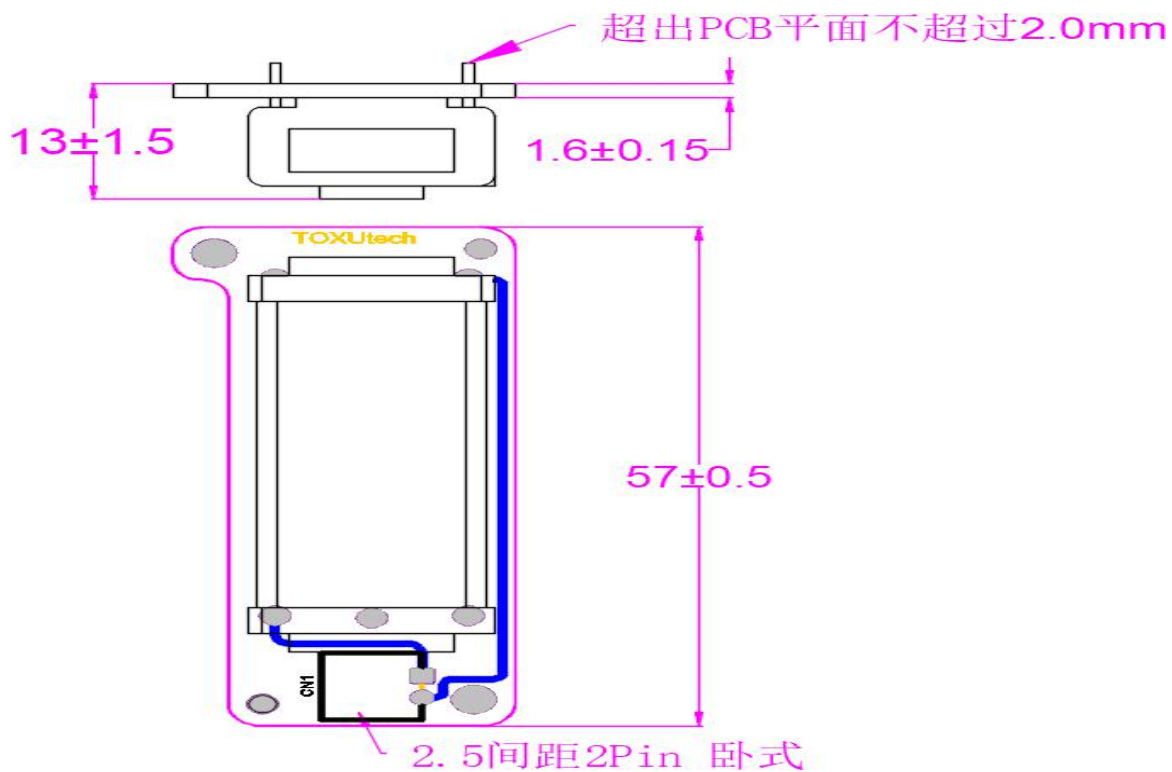
Shenzhen Tongxun Precision Technology Co., Ltd

MODIFYLIST						
NO	DATE	Modifycontentandcause	REV	DRAWING	CHECKED	APPROVED
1	2026. 01. 13	FIRSTISSUED	01	Liu Guanyin Sheng	Huangjingmei	Li Dewen
Shenzhen Tongxun Precision Technology Co., Ltd				(SPECIFICATION)	PCB board inductor I45 * 12 * 5-630UH	
				(SPART NO)		
				(EDITION)	01	
Huangjingmei 2026. 01. 13		Liu Guanyin Sheng2026. 01. 13			Li Dewen 2026. 01. 13	

SPECIFICATION FOR APPROVAL

(CUSTOMER)	Star Card	(CUSTOMER SPART NO)	
(SPECIFICATION)	PCB board inductor I45 * 12 * 5-630UH	(REV NO)	

1. PHYSICAL DIMENSION (UNIT:mm): (Appearance drawing dimensions)

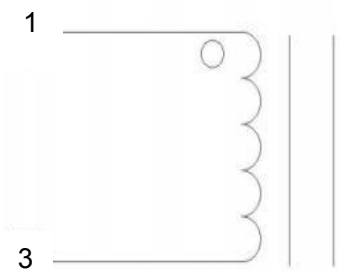


Shenzhen Tongxun Precision Technology Co., Ltd	(SPECIFICATION)	
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	(EDITION)	01
DRAWN	Checked	Approved
Huangjingmei 2026. 01. 13	Liu Guanyin Sheng 2026. 01. 13	Li Dewen 2026. 01. 13

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2. SCHEMATIC: (Circuit diagram)



3. WINDINGTABLE: (Winding structure)

WindingNo	START	FINISH	Wire&WireCopper	Turns	WindingTape	Tube
N1	1	3	2UEW/FΦ0.4mm	120TS REF	Tightly wrapped	3 feet

NOTE:

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4. ELECTRICAL CHARACTERISTIC (Electrical characteristics): TEST CONDITION: TEMPERATURE AT 25°C, HUMIDITY AT 70 ± 5% RH				
TEST ITEM	TEST CONDITION	TEST WINDING	RESULT	TEST INSTRUMENTS
INDUCTANCE	1KHz/0.25V	1-3	630uH ± 20UH	CH-1062A
Current application test	1KHZ/0.25V	1-3	L (3A) > L (0A) * 70%	CH-1062A/CH1310
	1KHZ/0.25V	1-3	1.4A Δt < 40°C	CH-1062A/CH1310
DCR insulation resistance (MΩ)				
Q VALUE	100KHZ 1V	1-3	30 MIN	CH-1062A
DC. RESISTANCE (Resistance) Test:	@25°C	1-3	1 Ω MAX	
REMARKS:				
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5.QA INSPECTION DATA

ISSUE NO

CUSTOMER	Star Card				Date	2026.01.13				Quantity	5		pcs		
Item	PCB board inductor I45 * 12 * 5-				PartNO					Dimension					
Coil Spec	Φ 0.4 m/m 2UEW 120 Ts REF														
	Φ m/m T.C.W														
Coil Data	Qo= Co = (PF)														
Test Frequency	L:1KHZ0.25V														
	Q:100KHZ1V														
DC. RESISTANCE	1 Ω MAX														
Temperature	25 °C		Humidity		70 %										
	ELECTRIC CHARGE					Dimension (Unit:mm)									
	L(uH)	Q	L(OA)	L(3A)	DCR										
SPEC + -	630	30			1 Ω	57	24.8	13	1.6	5.85	7.5	7.1	6.1	4.2	2.5
	20UH			L(3A) > LOA*70%	MAX	0.3	0.3	1.5	0.15	0.25	0.25	0.2	0.2	0.2	0.1
	20UH	MIN				0.3	0.3	1.5	0.15	0.25	0.25	0.2	0.2	0.2	0.1
	1KHZ0.25V	100KHZ1V	1KHZ0.25V												
1	614.2	68	617	615	0.760										
2	621.4	71	624	621	0.766										
3	628.6	75	622	619	0.768										
4	638.5	72	618	616	0.761										
5	645.3	69	645	623	0.760										
6															
7															
8															
9															
10															
X	617.8	71	621.2	618.8	0.76										
R	7.0	7.0	8.0	8.0	0.01										
Testing instruments	LCR 1062					Lot No									
Remarks															
Shenzhen Tongxun Precision Technology Co., Ltd									Approved		Checked		DRAWN		
									Li Dewen		Liu Guanyin Sheng		Huangjin gmei		

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6. Material (material)

NO	ITEM	MATERIAL	Chemical material supplier
1	CORE	MN/Zn Ferrite Core	TDG/ACM/XINGCHEN
2	WIRE	2UEW F ϕ 0.4 155°C	Shantou Shengang Electrical Industry Co., Ltd YLSL
3	EPOXY	Epoxy Resin Magnetic Powder	DZ
4	BOBBIN	PM9820	MGG
5	TFL TUBE	24#	CY
6	TAPE	CT-280 17mm blue thickened	YH/Equivalent
7	PCB CIRCUIT BOARD	57*24.8	
8	TERMINAL	2.5mm spacing horizontal seat	

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