



# SPECIFICATION FOR APPROVAL

<b>DELEC</b>		
MARKETING GROUP	R&D GROUP	QA GROUP
ISSUED BY	CHECKED BY	QA INSPECTION
Peter	Weide Li	Tingliu

## CUSTOMER

### CUSTOMER APPROVAL:

APPROVAL       CONCESSIONARY       REJECTED

ISSUED BY : \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

CUSTOMER PART NO: \_\_\_\_\_

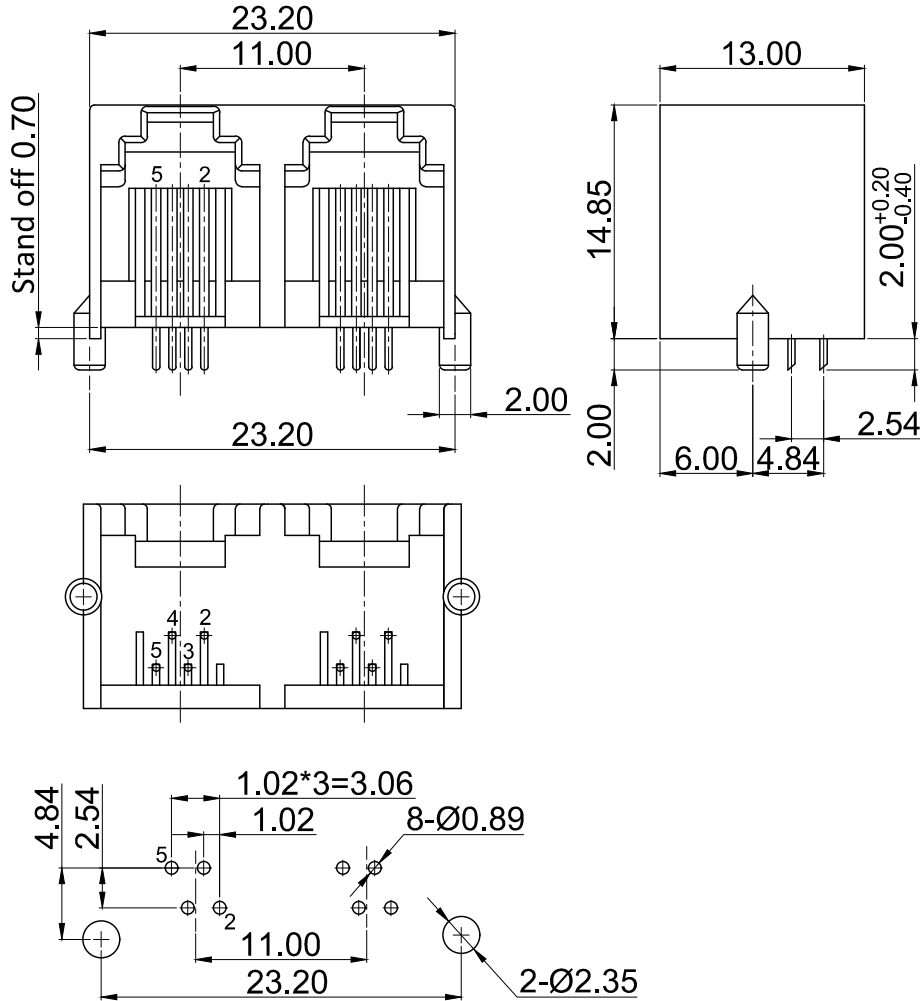
SAMPLE Q'TY: \_\_\_\_\_

COMMENTS : \_\_\_\_\_

TITLE 1X2 6P4C(2,3,4,5) SIDE ENTRY PCB JACK WITHOUT SHIELDED				<b>DELEC</b>		东莞多亚电子有限公司 DONGGUAN DUOYA ELECTRONICS CO., LTD		
PART NO. DE55-0H12035-007				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	Peter	DATE	2022-08-17	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 1/7	REV:C
CHECK	Peter	DATE	2022-08-17	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2022-08-17	.XXX±0.10				



# MECHANICAL DIMENSION



RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE VIEW)



# SPECIFICATION AND PERFORMANCE

## 1 Scope

This specification covers the requirements for product performance, tests and quality assurance provisions for side entry PCB jack

## 2 Applicable document

The following documents form a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing shall take precedence

## 3 Materials

Housing: Glass filled polyester PA9T UL94V-0, (UL INSPECTION E90350)  
pantone Black

Contact: copper clad steel wire diameter 0.46mm round Pin

Plating: 3 u" Gold plating over nickel

PCB retention fre-solder: 1LB min.

## 4 Mechanical characteristics:

Durability: 750(modular jack) insertion/plug dimension cycles

Mates with modular plug conforming to FCC part 68 subpart F

## 5 Electrical

Current rating: 1.5AMP

Voltage rating: 125VAC max.

Contact resistance: 30 milliohms max.

Insulation resistance: 500 megohms min. @500 VDC.

Dielectric strength: 1000 VAC RMS 60Hz, 1min.

## 6 Environmental:

Operating temperature: -40°C~+70°C

Storage temperature: -40°C~+85°C

## 7 Applicable printed circuit board

The product is designed to meet the electrical, mechanical and environmental performance requirements specified in product drawing

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# IR REFLOW TEMPERATURE PROFILE

(1).Temperature condition of IR reflow soldering.

Conterts	Soldering Condition
A:Increasing	3±1 °C/sec
B:Pre-heat starting Temp	150°C
C:Pre-heat ending Temp	180°C
D:Pre-heat interval	120 sec or over
E:Over 217 °C time	60-150 sec
F:Peak Temperature	260°C Max

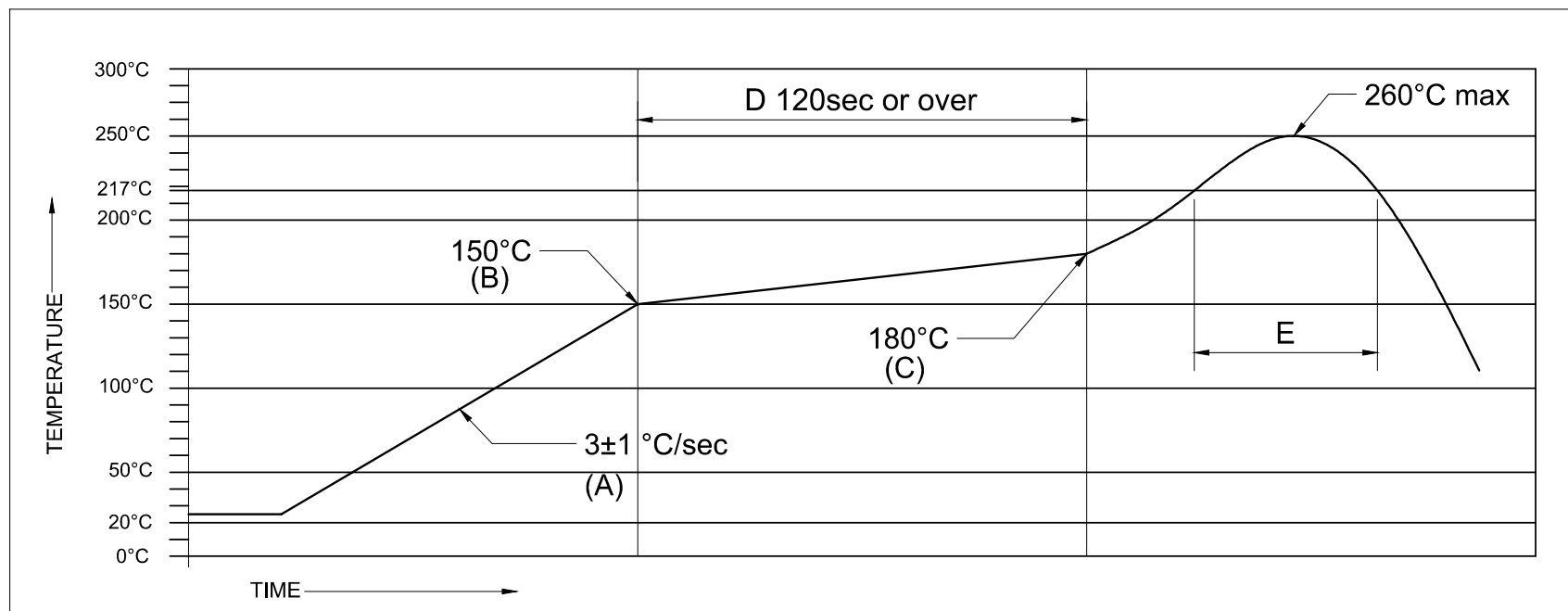
(2).The type of lead -free solder

shuold be as below:

(a).96.5Sn - 3.0Ag - 0.5Cu

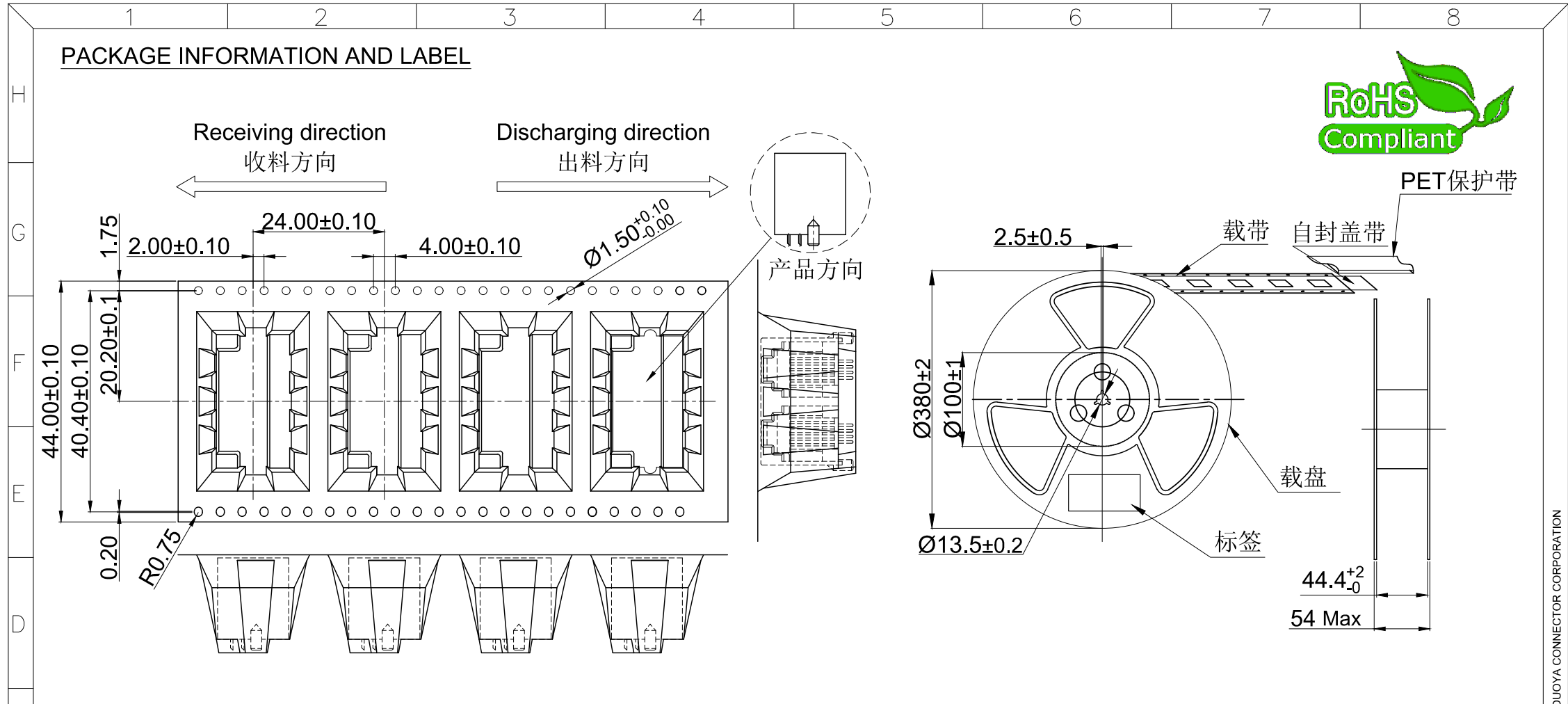
(b).99.3Sn - 0.7Cu

(c).95Sn - 5Sb



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PACKAGE INFORMATION AND LABEL



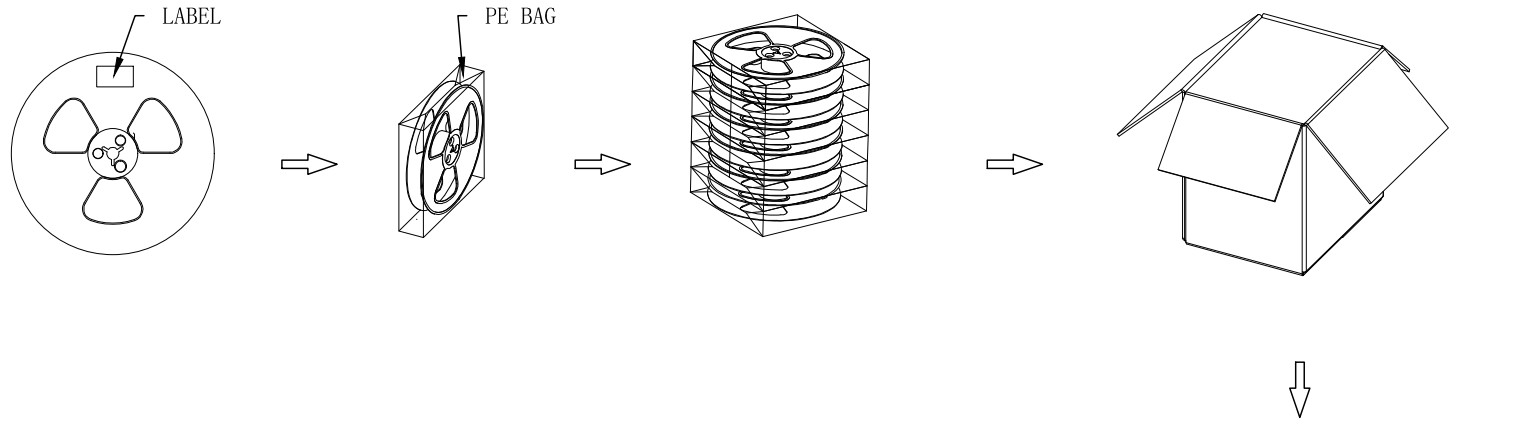
注解:

1.载带包装长度  
末端



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PACKAGE INFORMATION



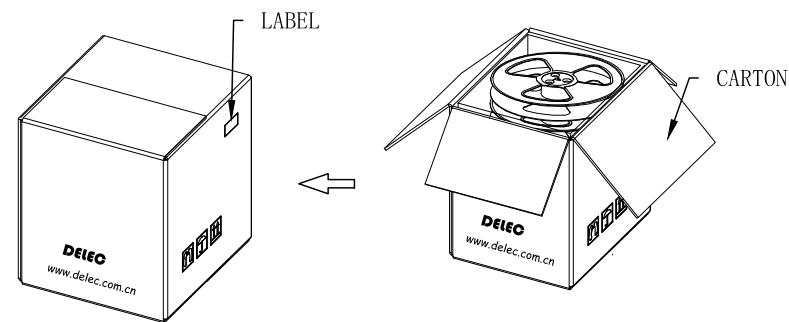
PACKING SPECIFICATION:

1CARTON=8REEL+8WATERPROOF BAG=1680PCS  
1REEL=210 PCS

1. THE PRODUCT ACCORDING TO THE FIGURE IN THE REEL, 210PCS/REEL,EACH REEL SIDE LABELED, AFTER INTO THE WATERPROOF BAG,PUT THE DESICCANT IN THE WATERPROOF BAG.

2. CARTON AROUND THE TRIANGLE, 8 REEL/CARTON, USE TAPE SEALING, RELATIVE SHOULD BE LABELED AS REQUIRED SHOULD BE STANDARD SIGN(AS SHOWN)

3. PEEL STRENGTH:0.1~1.3N  
STRIPPING SPEED:300MM/MIN



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**UL INSPECTION**

Component - Plastics

upon final material selection, data points are validated with the material supplier.

E90350

Guide Information

**KURARAY CO LTD**

GENESTAR DIV, TOKIWABASHI TOWER, 2-6-4 OTEMACHI, CHIYODA-KU TOKYO 100-0004 JP

**GP2450NH(rr)**

Polyamide 9T (PA9T) "Genestar", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.150	V-0	-	-	-	-	-
	0.40-0.44	V-0	3	3	140	120	130
	1.5	-	-	-	140	120	130
	3.0	-	-	-	140	125	140

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): -

Volume Resistivity (10<sup>x</sup> ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): 0

Surface Resistivity (10<sup>x</sup> ohms/square): -

Dimensional Change (%): -

High Volt, Low Current Arc Resis (D495): 4

(rr) - Virgin and regrind up to 50% by weight have the same basic material characteristics.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2009-10-28

Last Revised: 2021-12-02

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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.150 0.40-0.44	V-0 (ALL) V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-

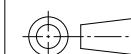
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东莞多亚电子有限公司  
DONGGUAN DUOYA ELECTRONICS CO., LTD

PART NO. DE55-0H12035-007

GENERAL TOLERANCE



UNIT:MM(INCH)

SIZE: A4

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SCALE: 1:1

SHEET: 7/7

REV:C