

	1	2	3	4	5	6	7	8
H	ISSUE RECORD							
	REV	DESCRIPTION OF CHANGE			DRAW	APPROVE	ISSUE DATE	
G	A	FIRST ISSUE			CHEN	De	2026-08-04	
F								
E								
D								
C								
B								
A								

TITLE 1X1 RJ45 8P8C VERTICAL WITH SHIELD & WITH LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd			
PART NO. DY68-NF11107-42J				GENERAL TOLERANCE				UNIT: MM(INCH)	SIZE: A4
DRAW	CHEN	DATE	2026-08-04	.X±0.35	.X±1°	SCALE: 1:1		SHEET: 2/5	REV: A
CHECK	WEIDE LI	DATE	2026-08-04	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-08-04	.XXX					

THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION

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PRODUCT DRAWING

BY DUOYA CONNECTOR CORPORATION

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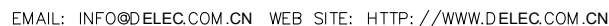
A
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G
H



A

1

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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

Plastic Housing:Glass filled polyester PA10T UL94V-0
(color : Black)

Contact: phosphor bronze T=0.35mm Flat Pin

Plating:15u" plated on contact area
Matte Tin plated 80u" min on solder area;
Nickel 40u" min under plating over all.

Shielded:T=0.20 Brass With Nickel Plated

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~+85°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

UNIT: MM(INCH)

SCALE: 1:1

SHEET: 3/5

SIZE: A4

REV: A

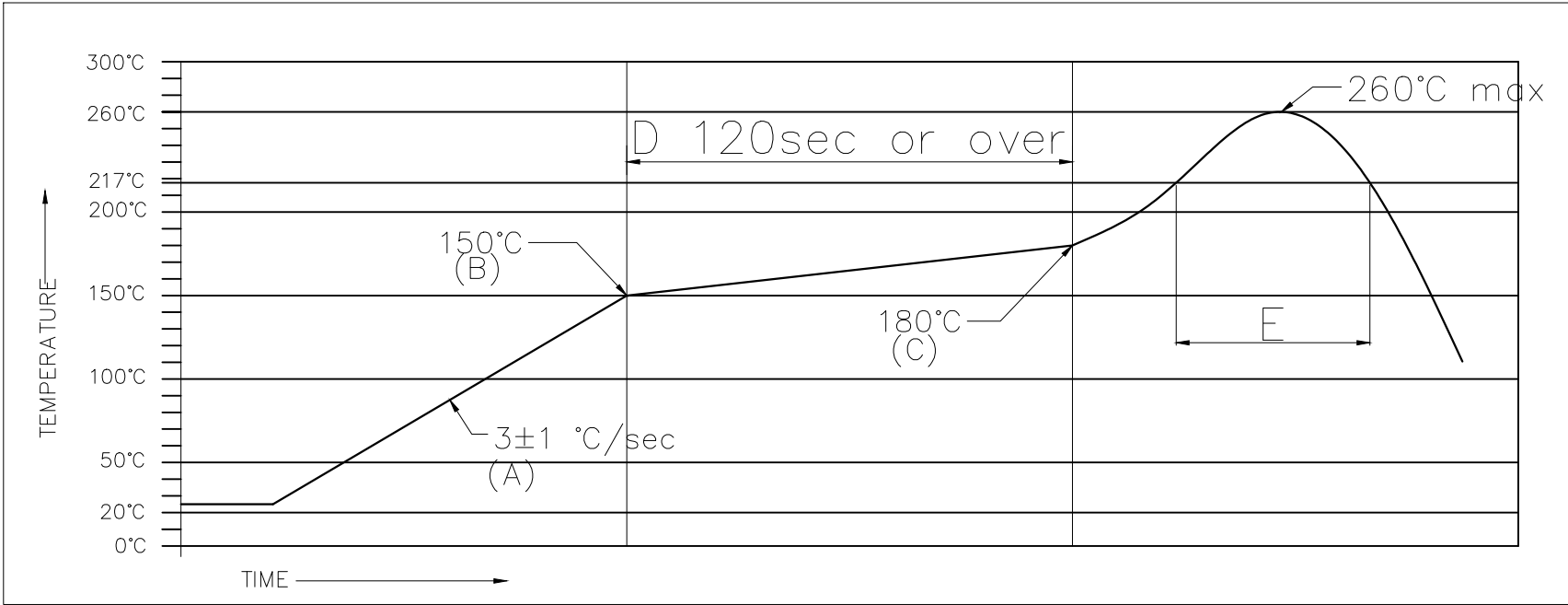
IR REFLOW TEMPERATURE PROFILE

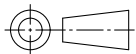
(1).Temperature condition of IR reflow soldering.

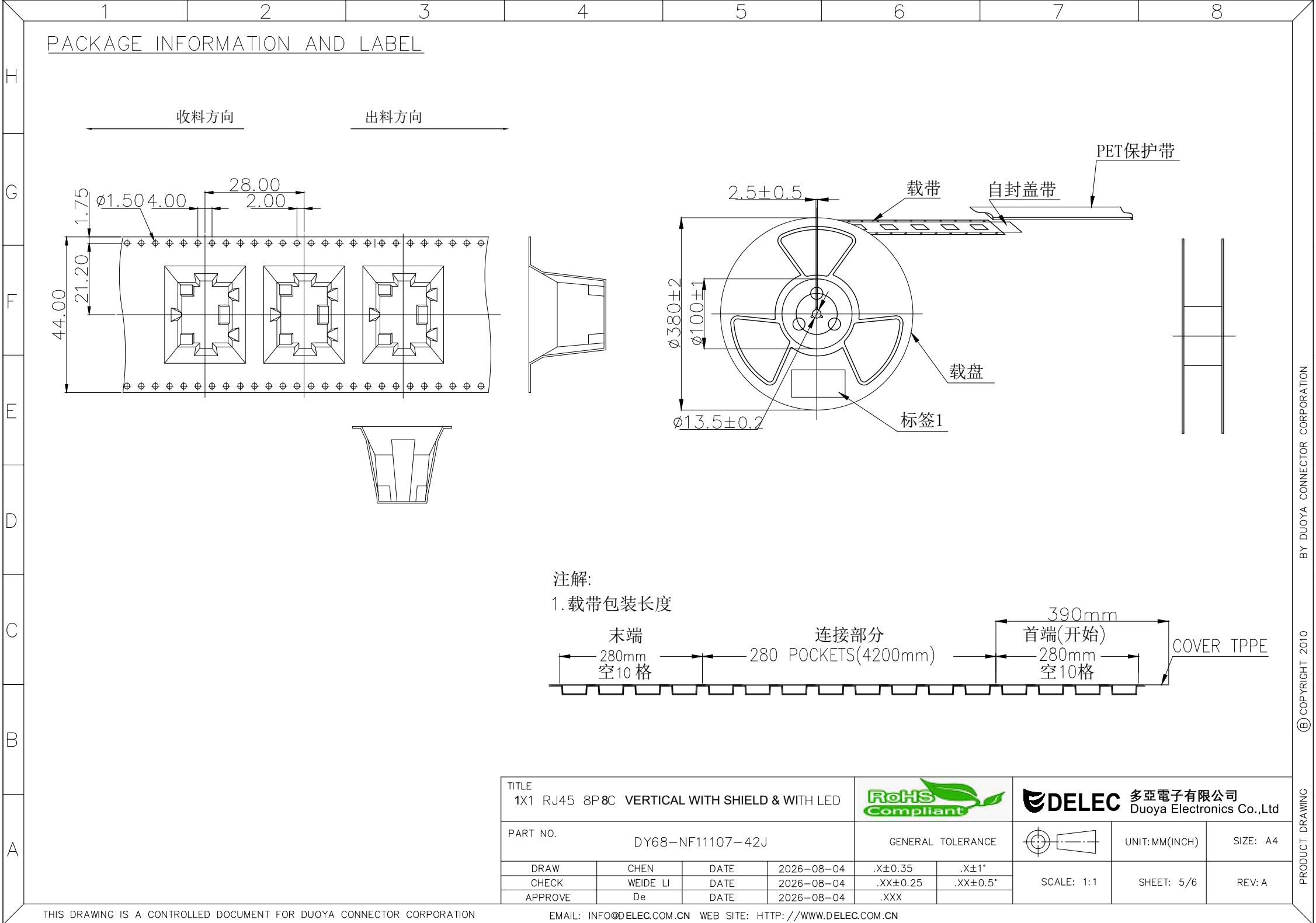
Conterts	Soldering Condition
A:Increasing	3±1 °C/sec
B:Pre-heat starting Temp	150°C
C:Pre-heat ending Temp	180°C
D:Pre-heat interval	120 sec or over
E:Over 220 °C time	60-150 sec
F:Peak Temperature	260°C Max 5sec

(2).The type of lead –free solder
shuold be as below:

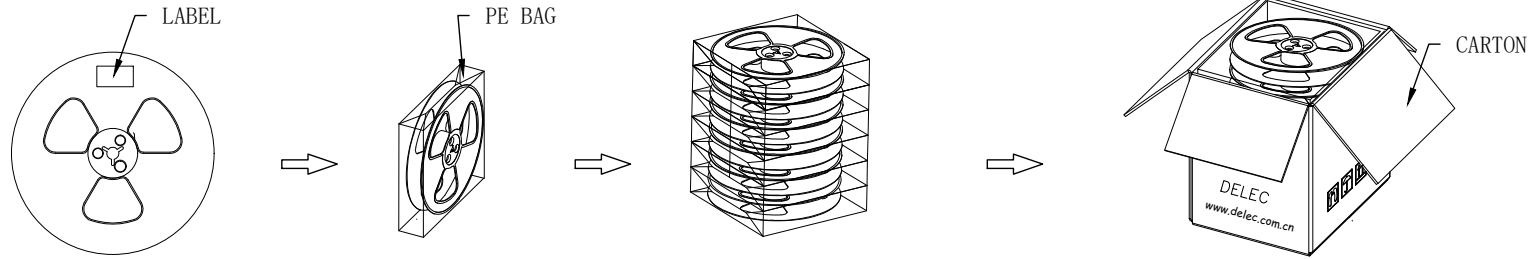
- (a).96.5Sn – 3.0Ag – 0.5Cu
- (b).99.3Sn – 0.7Cu
- (c).95Sn – 5Sb



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DRAW	CHEN	DATE	2026-08-04	.X±0.35	.X±1°	SCALE: 1:1		SHEET: 4/6	REV: A
CHECK	WEIDE LI	DATE	2026-08-04	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-08-04	.XXX					



PACKAGE INFORMATION



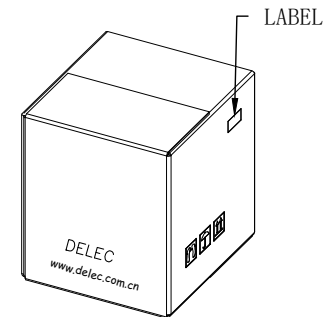
PACKING SPECIFICATION:

1CARTON=8REEL+8WATERPROOF BAG=150PCS
1REEL=1200 PCS

1. THE PRODUCT ACCORDING TO THE FIGURE IN THE REEL, 150PCS/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



TITLE 1X1 RJ45 8P8C VERTICAL WITH SHIELD & WITH LED						RoHS Compliant		DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd	
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DRAW	CHEN	DATE	2026-08-04	.X±0.35	.X±1°	SCALE: 1:1		SHEET: 6/6	REV: A
CHECK	WEIDE LI	DATE	2026-08-04	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-08-04	.XXX					