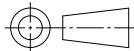
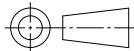
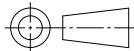
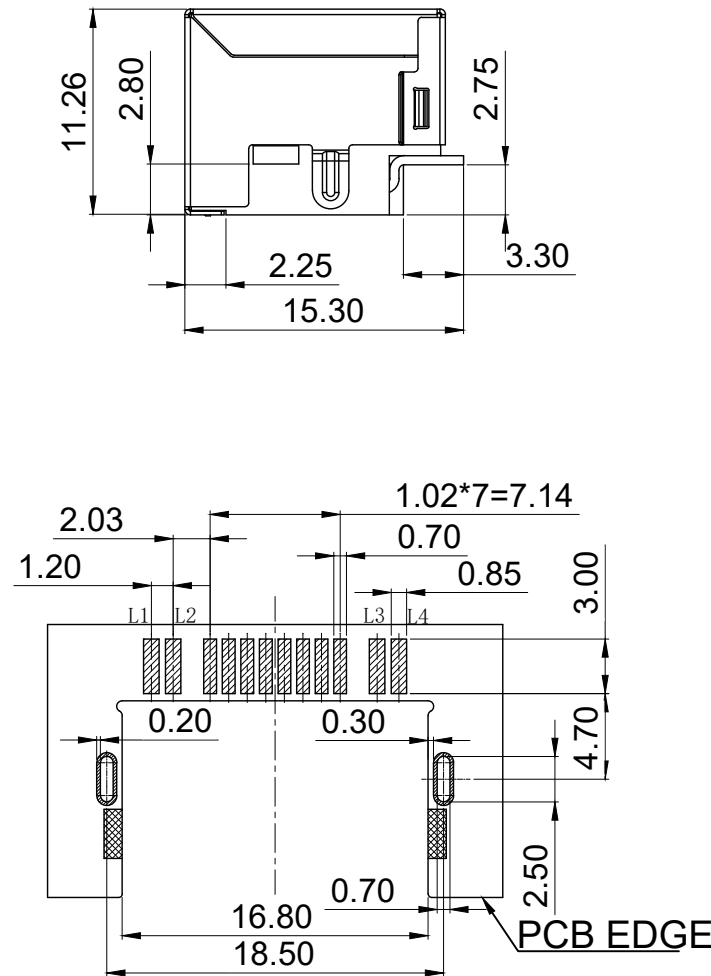
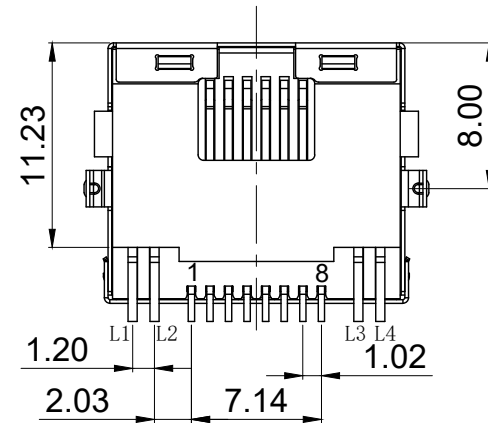
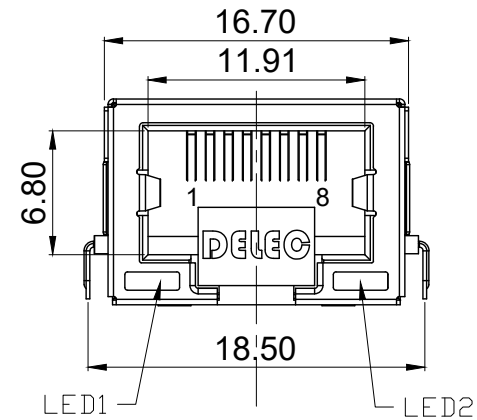
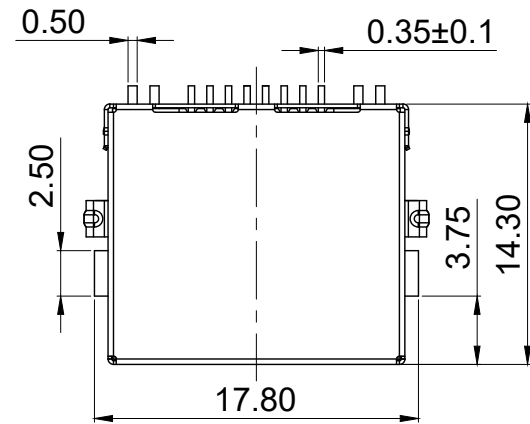


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G																																																	
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THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION																																																	
EMAIL: INFO@DELEC.COM.CN WEB SITE: HTTP://WWW.DELEC.COM.CN																																																	

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TITLE						 多亞電子有限公司 Duoya Electronics Co.,Ltd											
PART NO.				DY24-7F510B2-42F		GENERAL TOLERANCE				UNIT:MM(INCH)		SIZE: A4					
DRAW		ZENG		DATE		2026.01.23		.X±0.35		.X±1°		SCALE: 1:1		SHEET: 2/6		REV:D	
CHECK		ZENG		DATE		2026.01.23		.XX±0.25		.XX±0.5°							
APPROVE		De		DATE		2026.01.23		.XXX									



Recommend PCB Layout
(Jack Top View)
Tolerance: $\pm 0.05\text{mm}$

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

Plastic Housing: Glass filled polyester PA10T UL94V-0 E475922 (color :Yellow, Pantone 114C)

Contact: phosphor bronze T=0.30mm Flat Pin

Plating: 3 u" Gold plating over nickel

Shielded: 0.20 thickness 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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

7. Applicable printed circuit board

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



LED 1 POLARITY			LED 2 POLARITY		
L1	L2	COLOR	L3	L4	COLOR
+	-	Yellow	+	-	Green

LED ELECTRICAL / OPTICAL CHARACTERISTICS

COLOR	IF	VF (FORWARD VOLTAGE)	λ D DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
Yellow	20mA	2.1 V	605nm

TITLE						DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd				
1x1 RJ45 SIDE ENTRY JACK WITH LED										
PART NO.				DY24-7F510B2-42F		GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	ZENG	DATE	2026.01.23	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 3/6	REV:D		
CHECK	ZENG	DATE	2026.01.23	.XX±0.25	.XX±0.5°					
APPROVE	De	DATE	2026.01.23	.XXX						

IR REFLOW TEMPERATURE PROFILE

(1).Temperature condition of IR reflow soldering.

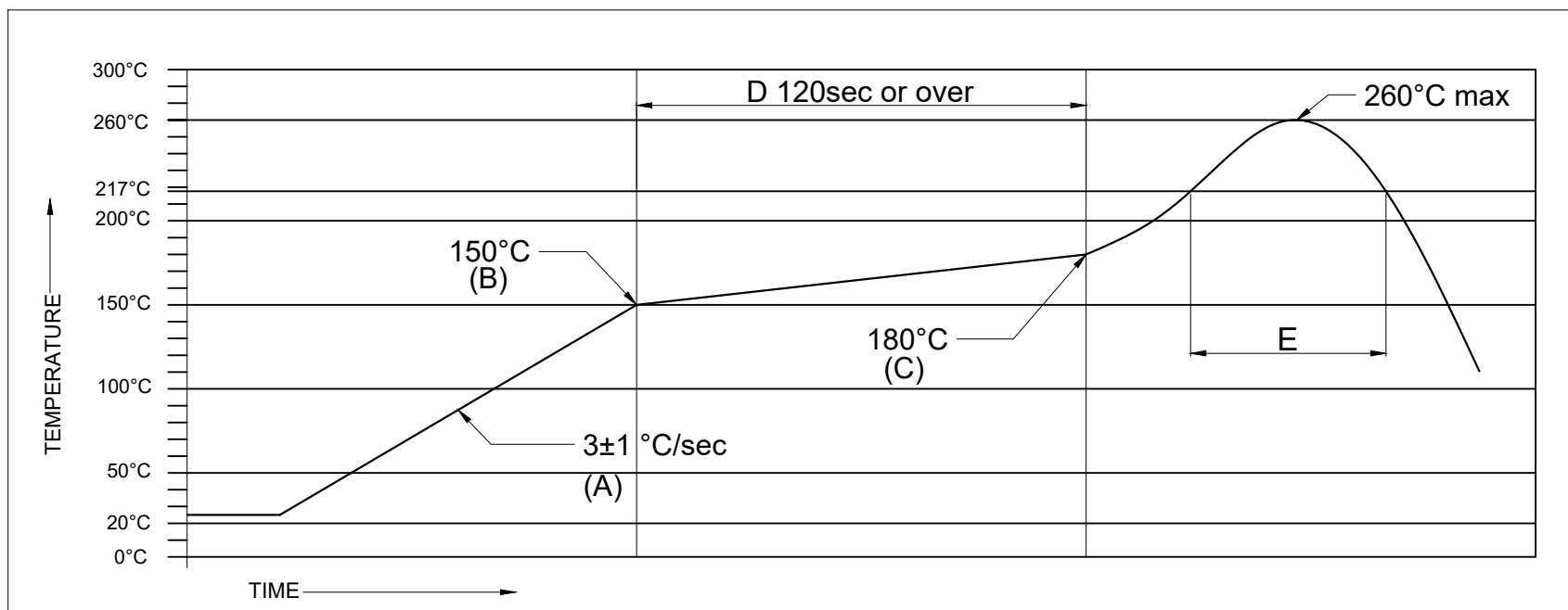
Contents	Soldering Condition
A:Increasing	3±1 °C/sec
B:Pre-heat starting Temp	150°C
C:Pre-heat ending Temp	180°C
D:Pre-heat interval	120 sec or over
E:Over 220 °C time	60-150 sec
F:Peak Temperature	260°C Max 5sec

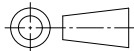
(2).The type of lead -free solder
shuold be as below:

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

(b).99.3Sn - 0.7Cu

(c).95Sn - 5Sb



TITLE 1x1 RJ45 SIDE ENTRY JACK WITH LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd		
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CHECK	ZENG	DATE	2026.01.23	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026.01.23	.XXX				

UL INSPECTION

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PROSPECTOR®

[CLICK TO CONTINUE](#)

View additional material information including performance and processing data

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

E475922

Component - Plastics

Guide Information

JINYOUNG (XIAMEN) ADVANCED MATERIALS TECHNOLOGY CO., LTD

268 Wengjiao Rd, Haicang District, Xiamen Fujian 361026 CN

HG30EX

Polyphthalamide (PPA), furnished as pellets

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec</u>	<u>RTI Imp</u>	<u>RTI Str</u>
ALL	0.8	V-0	0	0	85	85	85
	3.0	V-0	0	0	85	85	85

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): -

Surface Resistivity (10^x ohms/square): -

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

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: 2021-12-08

Last Revised: 2021-12-08

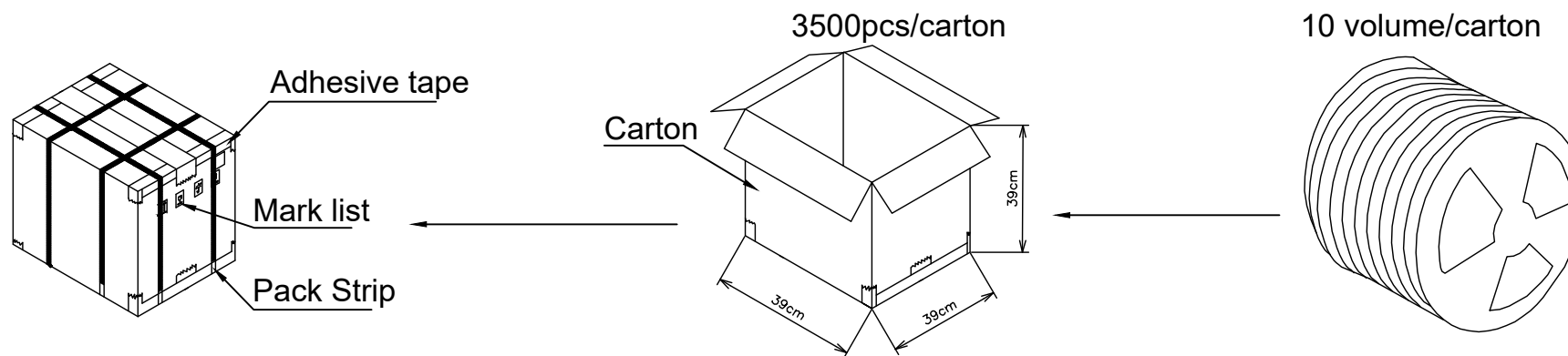
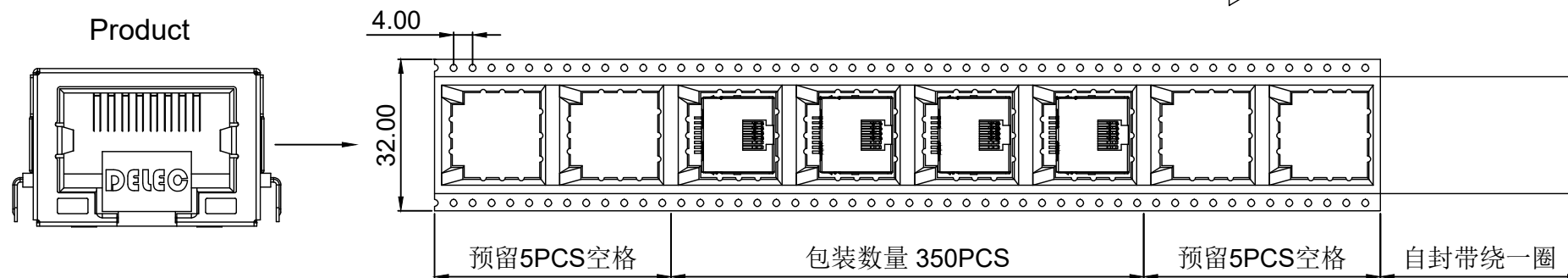
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APPROVE	De	DATE	2026.01.23	.XXX				REV:D

PACKAGE INFORMATION AND LABEL

出料方向



PACKING SPECIFICATION:

1CARTON=10REEL+10WATERPROOF BAG=3500PCS

1REEL=350PCS

1. THE PRODUCT ACCORDING TO THE FIGURE IN THE REEL,
350PCS/REEL,EACH REEL SIDE LABELED, AFTER INTO THE
WATERPROOF BAG,PUT THE DESICCANT IN THE WATERPROOF BAG.

2. 10 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 SIDE ENTRY JACK WITH LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd			
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APPROVE	De	DATE	2026.01.23	.XXX					