

1	2	3	4	5	6	7	8	
H								
G								
F								
E								
D								
C								
B								
A								

SPECIFICATION FOR APPROVAL



MARKETING GROUP	R&D GROUP	QA GROUP
ISSUED BY	CHECKED BY	QA INSPECTION
CHEN	Weide Li	Liu Ting

CUSTOMER

CUSTOMER APPROVAL:

☐ APPROVAL ☐ CONCESSIONARY ☐ REJECTED

ISSUED BY : _____

CHECKED BY: _____

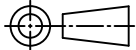
APPROVED BY: _____

COMMENTS : _____

CUSTOMER: _____

CUSTOMER PART NO: _____

SAMPLE Q'TY: _____

TITLE						 多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO.				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	chen	DATE	2026-09-03	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 1/5	REV:C
CHECK	Li	DATE	2026-09-03	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-09-03	.XXX				

THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION

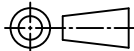
EMAIL: INFO@DELEC.COM.CN WEB SITE: [HTTP://WWW.DELEC.COM.CN](http://WWW.DELEC.COM.CN)

PRODUCT DRAWING

BY DUOYA CONNECTOR CORPORATION

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	1	2	3	4	5	6	7	8
H								
G	ISSUE RECORD							
	REV	DESCRIPTION OF CHANGE			REVIEWED BY	APPROVED BY	ISSUE DATE	
	A	FIRST ISSUE			CHEN	De	2026-08-19	
G	B	CHANGE FLAT PIN TO ROUND PIN			CHEN	De	2026-09-03	
	C	Remove intermediate snap points on copper housing			CHEN	De	2026-09-03	
F								
E								
D								
C								
B								
A								

TITLE						 多亞電子有限公司 Duoya Electronics Co.,Ltd			
PART NO.				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4	
DRAW	chen	DATE	2026-09-03	.X±0.35	.X±1°		SCALE: 1:1	SHEET: 2/5	REV:C
CHECK	Li	DATE	2026-09-03	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-09-03	.XXX					

THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION

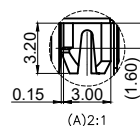
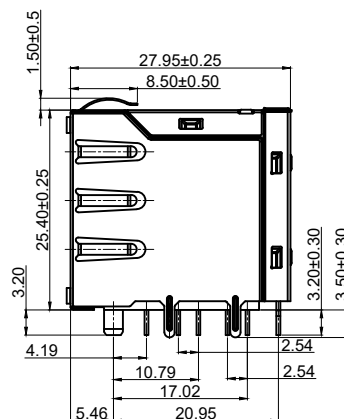
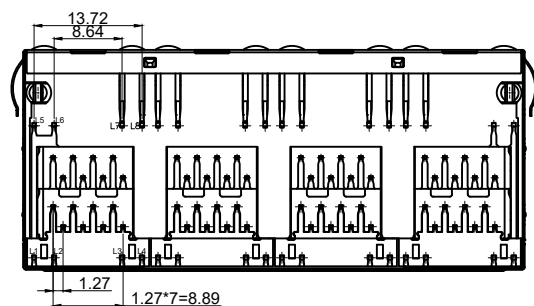
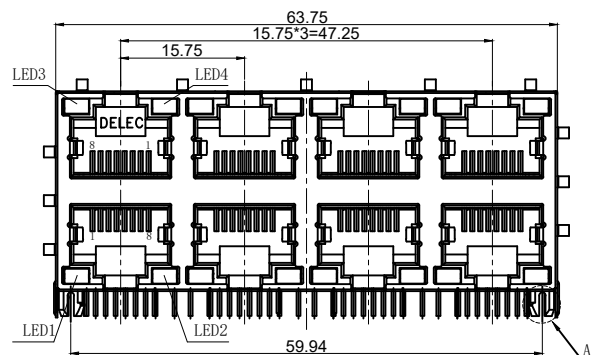
EMAIL: INFO@DELEC.COM.CN WEB SITE: HTTP://WWW.DELEC.COM.CN

PRODUCT DRAWING

BY DUOYA CONNECTOR CORPORATION

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MECHANICAL DIMENSION



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: thermoplastic PA46 flammability rating UL94V-0 (color: pantone Black)

Contact: Phosphor bronze $\varnothing=0.46\text{mm}$ Round Pin

Shielded: 0.20 thickness brass with nickel plated.

Plating: F 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:

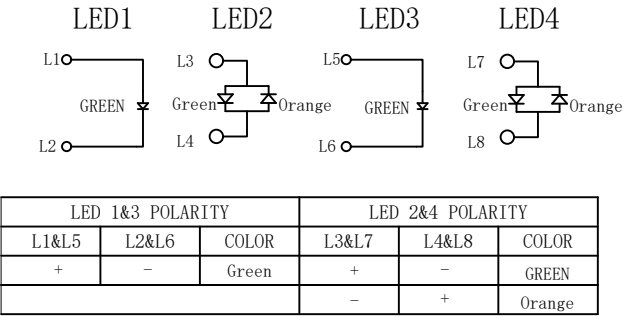
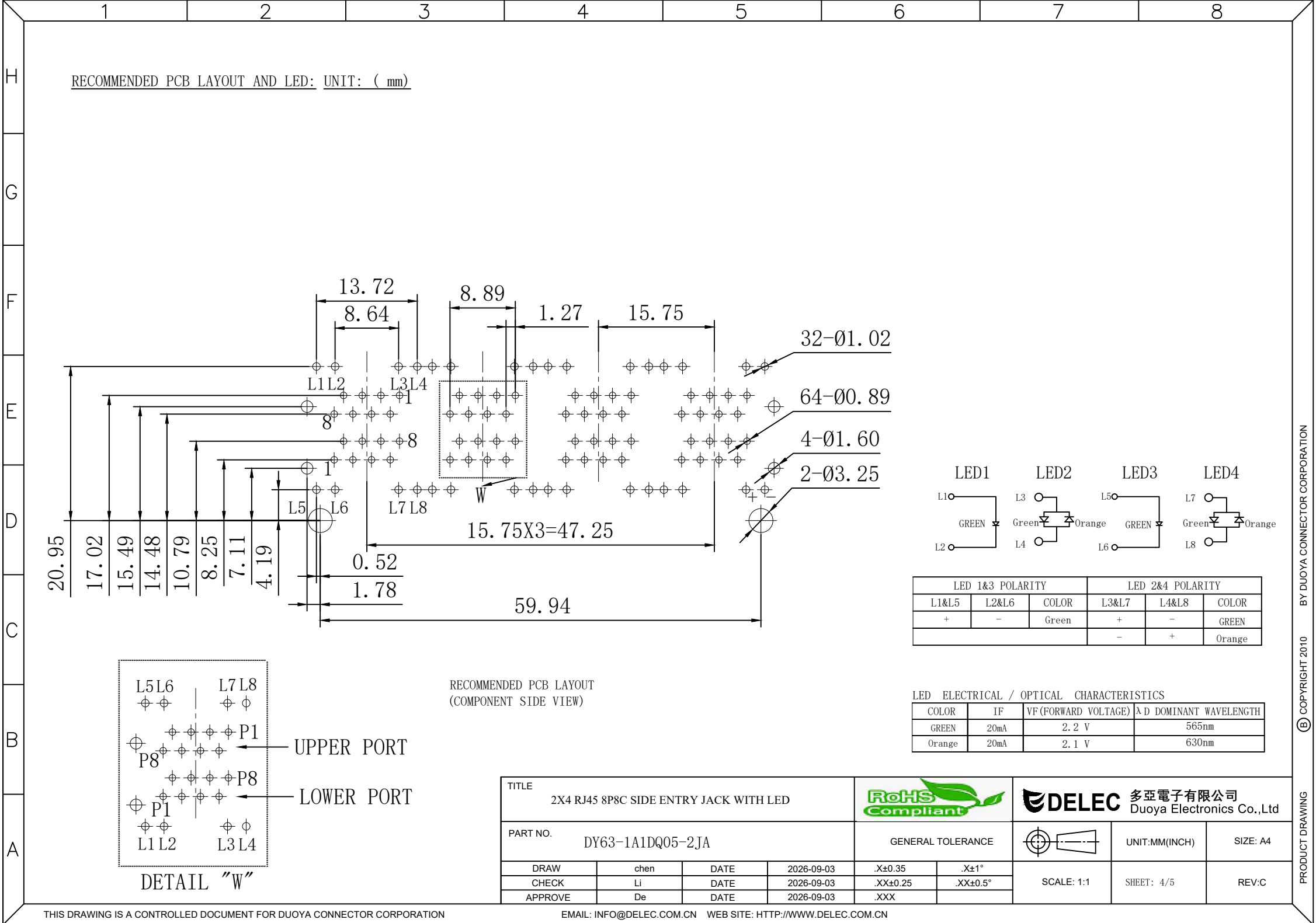
Operating temperature: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

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

7. Applicable printed circuit board

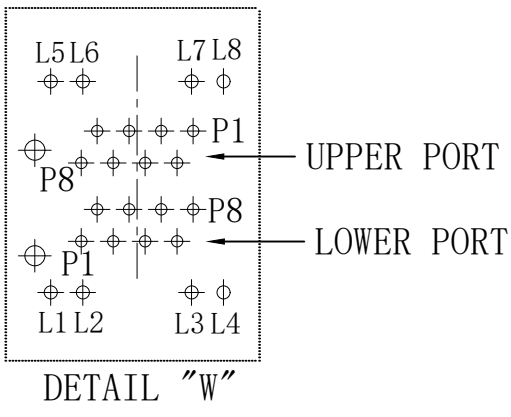
The product is designed to meet the electrical, mechanical and environmental performance requirements specified in product drawing

TITLE 2X4 RJ45 8P8C SIDE ENTRY JACK WITH LED						RoHS Compliant		DELEC 多亞電子有限公司 Duoya Electronics Co., Ltd	
PART NO. DY63-1A1DQ05-2JA						GENERAL TOLERANCE			UNIT: MM(INCH)
DRAW	chen	DATE	2026-09-03	.X±0.35	.X±1°			SCALE: 1:1	SHEET: 3/5
CHECK	Li	DATE	2026-09-03	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-09-03	.XXX					
								SIZE: A4	REV: C



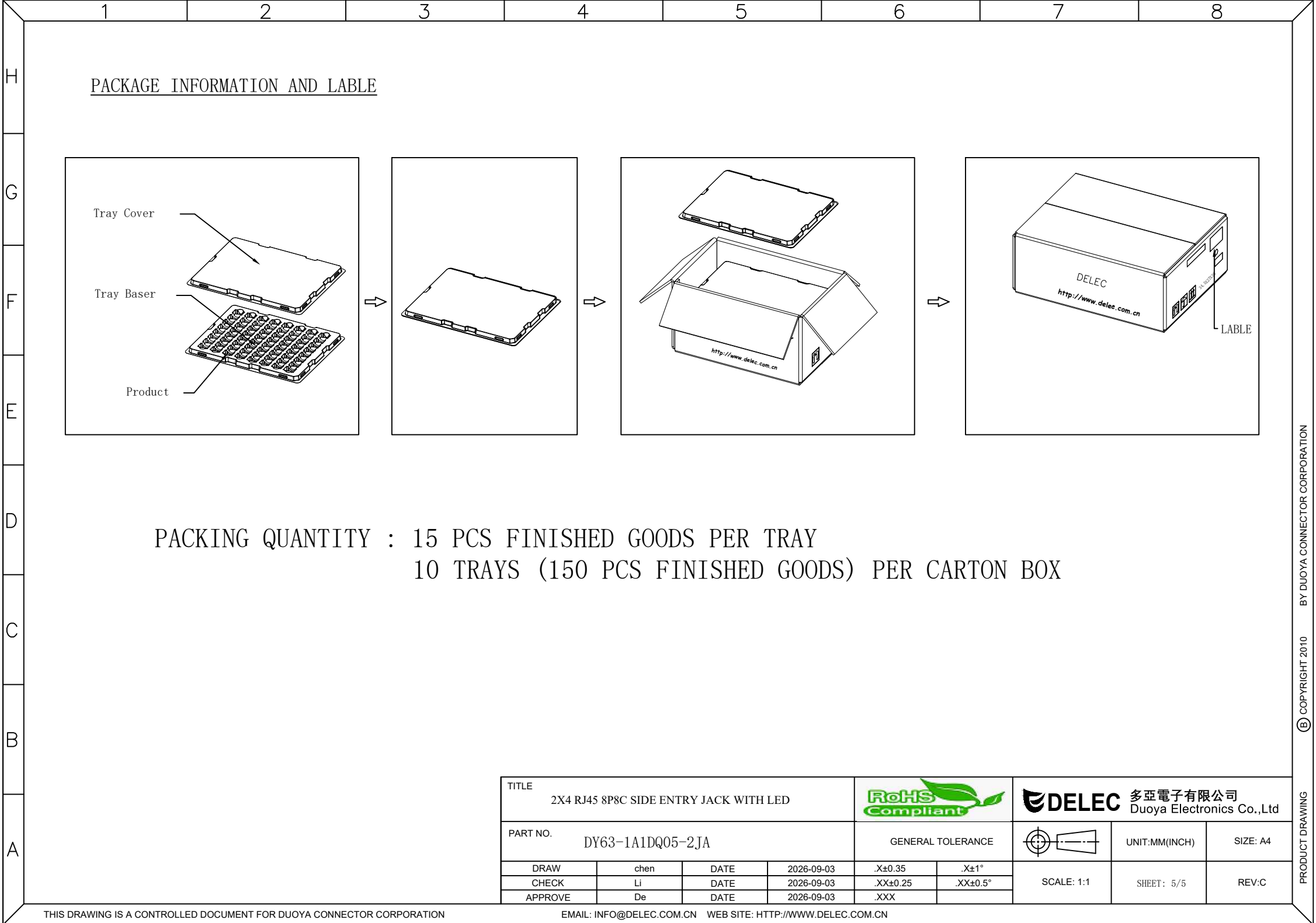
LED ELECTRICAL / OPTICAL CHARACTERISTICS

COLOR	IF	VF (FORWARD VOLTAGE)	λ D DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
Orange	20mA	2.1 V	630nm

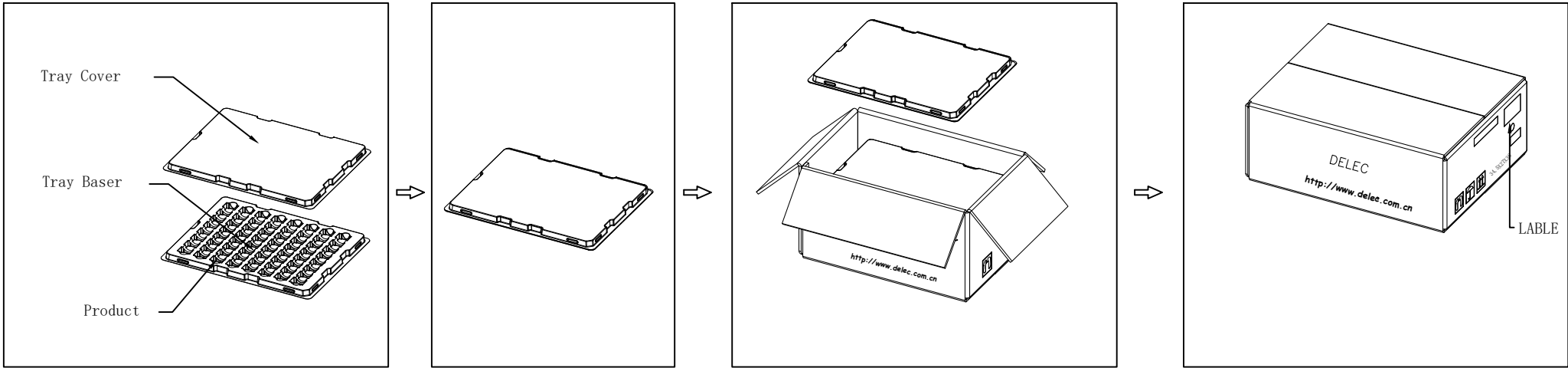


RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)

TITLE 2X4 RJ45 8P8C SIDE ENTRY JACK WITH LED						RoHS Compliant		DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd	
PART NO. DY63-1A1DQ05-2JA						GENERAL TOLERANCE		UNIT:MM(INCH)	SIZE: A4
DRAW	chen	DATE	2026-09-03	.X±0.35	.X±1°	SCALE: 1:1		SHEET: 4/5	REV:C
CHECK	Li	DATE	2026-09-03	.XX±0.25	.XX±0.5°				
APPROVE	De	DATE	2026-09-03	.XXX					



PACKAGE INFORMATION AND LABLE



PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
10 TRAYS (150 PCS FINISHED GOODS) PER CARTON BOX

TITLE 2X4 RJ45 8P8C SIDE ENTRY JACK WITH LED						多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO. DY63-1A1DQ05-2JA				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	chen	DATE	2026-09-03	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 5/5	REV:C
CHECK	Li	DATE	2026-09-03	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-09-03	.XXX				