

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 2X6 RJ45 8P8C SIDE ENTRY JACK WITH SHIELD AND LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd			
PART NO. DE60-641GTRA-42C				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4	
DRAW	CHEN	DATE	2026-08-04	.X±0.35	.X±1°		SCALE: 1:1	SHEET: 1/5	REV:B
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

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

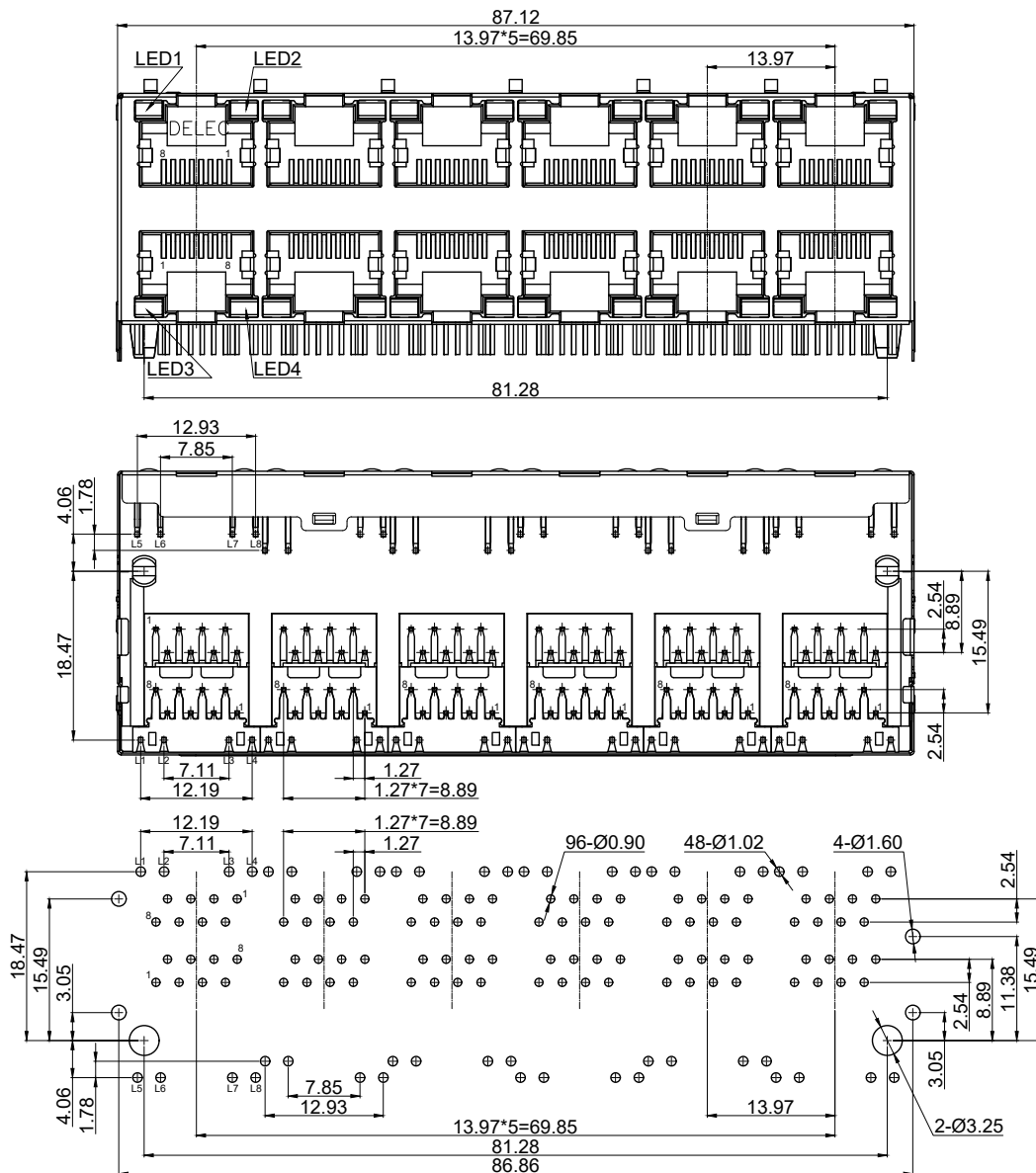
PRODUCT DRAWING

(B) COPYRIGHT 2010 BY DUOYA CONNECTOR CORPORATION

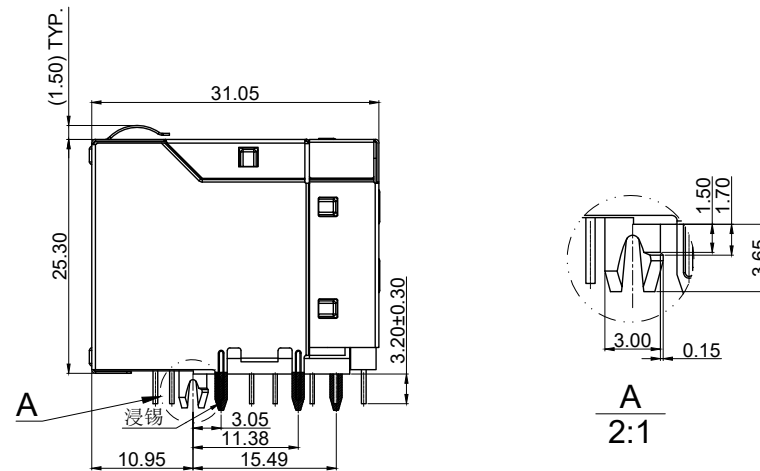
	1	2	3	4	5	6	7	8	
H									
G	ISSUE RECORD								
	REV	DESCRIPTION OF CHANGE			REVIEWED BY	APPROVED BY	ISSUE DATE		
	A	FIRST ISSUE			Peter	De	2025-08-12		
	B	修改蘑菇头方向			CHEN	De	2026-08-04		
F									
E									
D									
C									
B									
A	TITLE 2X6 RJ45 8P8C SIDE ENTRY JACK WITH SHIELD AND LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd		
	PART NO. DE60-641GTRA-42C				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:B
	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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MECHANICAL DIMENSION



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



SPECIFICATION NOTES

ELECTRICAL:

1. VOLTAGE RATING: 125 VAC RMS
2. CURRENT RATING: 1.5 AMP
3. CONTACT RESISTANCE : 20mΩ MAX.
4. INSULATION RESISTANCE : 1000MΩ MIN. AT500 DC.
5. DIELECTRIC STRENGTH : 1000 V AC OR 1500V DC RMS AT 0.5mA 50 Hz/60 Hz FOR 1 MINUTE

MECHANICAL:

1. HOUSING: THERMOPLASTIC PA46
FLAMMABILITY RATING UL94V-0. (COLOR:PANTONE BLACK)
2. CONTACT MATERIAL: PHOSPHOR BRONZE T=0.35
3. PLATING : AU 30 U" PLATED ON CONTACT AREA
MATTE TIN PLATED 80U" MIN ON SOLDER AREA
NICKEL 40 U" MIN UNDER PLATING OVER ALL
4. HIELDED : SUS304 T=0.20
5. OPERATING LIFE 750 CYCLES MIN
6. MATING/UNMATING FORCE : 30N/3.06 Kgf MAX
7. RETENTION STRENGTH :70N MIN .FOR 60S±5S

ENVIRONMENTAL

1. STORAGE : -40°C TO +85°C RELATIVE HUMIDITY<80%
2. GUARANTEE PERIOD : 12 MONTHS
3. OPERATION : -40°C TO +85°C

LED1&3

L1&5
Yellow
L2&6

LED2&4

L3&7
Green
L4&8

LED 1&3 POLARITY			LED 2&4 POLARITY		
L1&L5	L2&L6	COLOR	L3&L7	L4&L8	COLOR
+	-	Yellow	+	-	Green

LED ELECTRICAL / OPTICAL CHARACTERISTICS:

COLOR	IF	VF(FORWARD VOLTAGE)	AD DOMINANT WAVELENGTH
Yellow	20mA	2.1 V	590nm
Green	20mA	2.2V	565nm

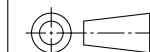
TITLE
2X6 RJ45 8P8C SIDE ENTRY JACK WITH SHIELD AND LED



DELEC 多亞電子有限公司
Duoya Electronics Co.,Ltd

PART NO.
DE60-641GTRA-42C

GENERAL TOLERANCE



UNIT:MM(INCH)

SIZE: A4

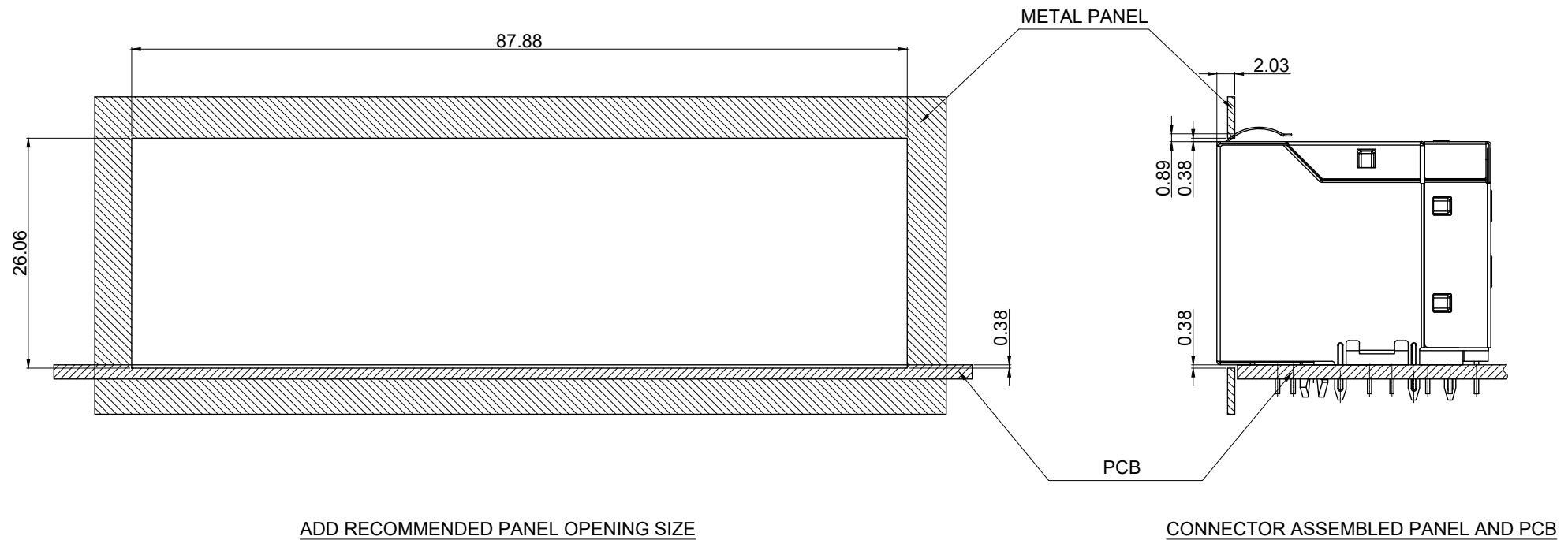
DRAW	CHEN	DATE	2026-08-04	.X±0.35	.X±1°
CHECK	WEIDE LI	DATE	2026-08-04	.XX±0.25	.XX±0.5°
APPROVE	De	DATE	2026-08-04	.XXX	

SCALE: 1:1

SHEET: 3/5

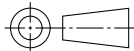
REV:B

SUGGESTED PANEL OPENING

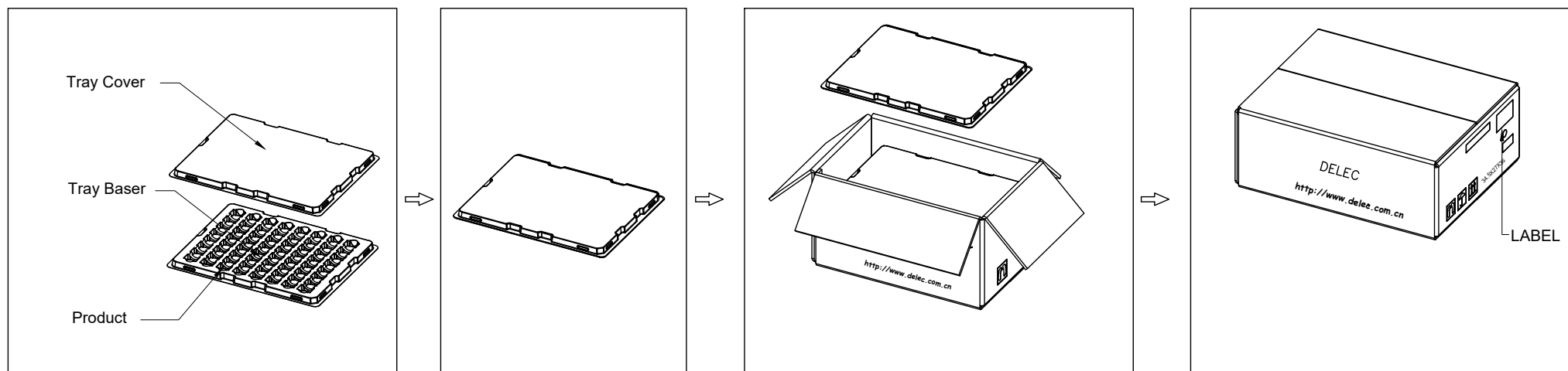


ADD RECOMMENDED PANEL OPENING SIZE

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

TITLE 2X6 RJ45 8P8C SIDE ENTRY JACK WITH SHIELD AND LED				RoHS Compliant		DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO. DE60-641GTRA-42C				GENERAL TOLERANCE		 SCALE: 1:1	UNIT:MM(INCH)	SIZE: A4
DRAW	CHEN	DATE	2026-08-04	X±0.35	.X±1°		SHEET:4/5	REV:B
CHECK	WEIDE LI	DATE	2026-08-04	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-08-04	.XXX				

PACKAGE INFORMATION AND LABEL



PACKING QUANTITY : 12 PCS FINISHED GOODS PER TRAY
10 TRAYS (120 PCS FINISHED GOODS) PER CARTON BOX

TITLE 2X6 RJ45 8P8C SIDE ENTRY JACK WITH SHIELD AND LED						 多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO. DE60-641GTRA-42C				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
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APPROVE	De	DATE	2026-08-04	.XXX				