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F	SPECIFICATION FOR APPROVAL																																												
E	DELEC <table><tr><td>MARKETING GROUP</td><td>R&D GROUP</td><td>QA GROUP</td></tr><tr><td>ISSUED BY</td><td>CHECKED BY</td><td>QA INSPECTION</td></tr><tr><td>CHEN</td><td>Weide Li</td><td>Liu Ting</td></tr></table>			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 : _____ _____																																
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B	SAMPLE Q'TY: _____																																												
A	<table><tr><td colspan="4">TITLE</td><td colspan="2"></td><td colspan="2">DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd</td></tr><tr><td colspan="4">PART NO.</td><td colspan="2">GENERAL TOLERANCE</td><td></td><td>UNIT:MM(INCH)</td><td>SIZE: A4</td></tr><tr><td>DRAW</td><td>CHEN</td><td>DATE</td><td>2026-08-03</td><td>.X±0.35</td><td>.X±1°</td><td rowspan="3">SCALE: 1:1</td><td rowspan="3">SHEET: 1/6</td><td rowspan="3">REV:A</td></tr><tr><td>CHECK</td><td>Li</td><td>DATE</td><td>2026-08-03</td><td>.XX±0.25</td><td>.XX±0.5°</td></tr><tr><td>APPROVE</td><td>De</td><td>DATE</td><td>2026-08-03</td><td>.XXX</td><td></td></tr></table>							TITLE						DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd		PART NO.				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4	DRAW	CHEN	DATE	2026-08-03	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 1/6	REV:A	CHECK	Li	DATE	2026-08-03	.XX±0.25	.XX±0.5°	APPROVE	De	DATE	2026-08-03	.XXX	
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THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION

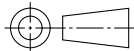
EMAIL: INFO@DELEC.COM.CN WEB SITE: HTTP://WWW.DELEC.COM.CN

BY DUOYA CONNECTOR CORPORATION

PRODUCT DRAWING

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1	2	3	4	5	6	7	8	
H	ISSUE RECORD							
G								REV
F	A	FIRST ISSUE	CHEN	De	2026-08-03			
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
DY59-S511174-00A								
DRAW	CHEN	DATE	2026-08-03	.X±0.35	.X±1°			
CHECK	Li	DATE	2026-08-03	.XX±0.25	.XX±0.5°	SCALE: 1:1	SHEET: 2/6	REV:A
APPROVE	De	DATE	2026-08-03	.XXX				

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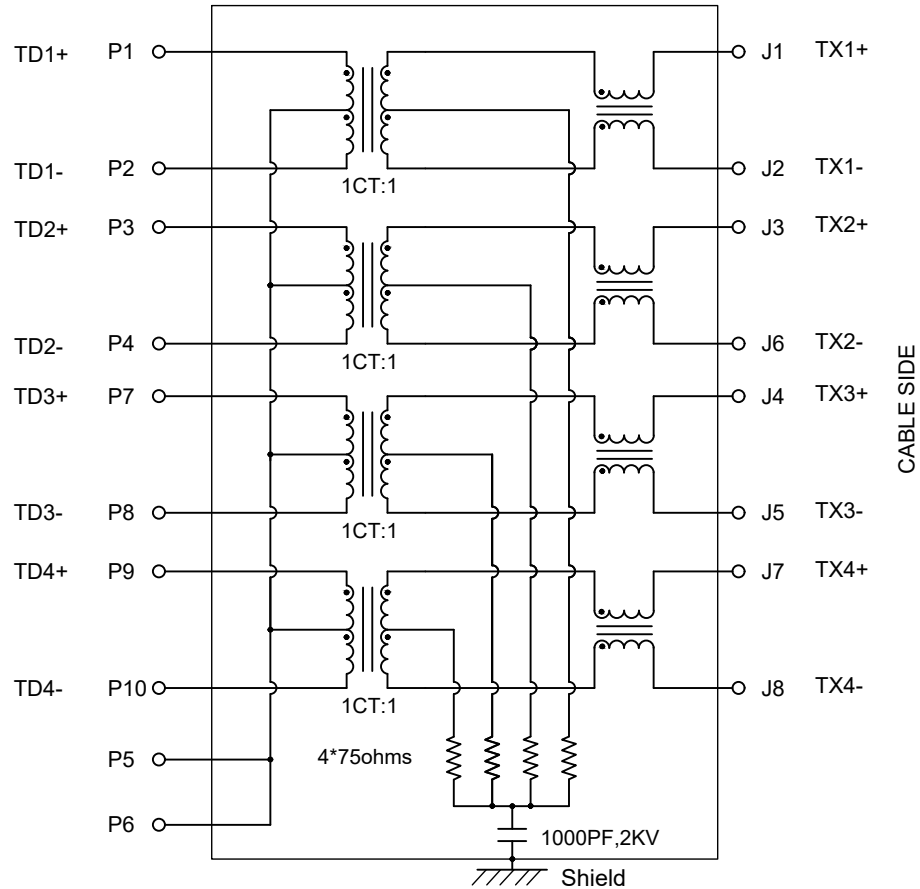
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PRODUCT DRAWING

BY DUOYA CONNECTOR CORPORATION

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PCB SIDE TO PHY



ELECTRICAL CHARACTERISTICS @ 25°C

TURN RATIO:

(P1-P2):(J1-J2)=1:1 ±3%.
(P3-P4):(J3-J6)=1:1 ±3%.
(P7-P8):(J4-J5)=1:1 ±3%.
(P9-P10):(J7-J8)=1:1 ±3%.

PRIMARY INDUCTANCE:

350uH MIN.@100KHz,100mVRMS,8mA DC BIAS.

HI-POT TEST:

PCB SIDE TO CABLE SIDE 2250V DC.

Insertion Loss:

0.3MHz~1MHz -1.1dB MAX.
1MHz~65MHz -0.8dB MAX.
65MHz~100MHz -1.1dB MAX.

Return Loss:(Load:100 ohms)

1MHz~40 MHz -18dB MIN.
40MHz~100 MHz -12+20LOG(F/80)dB MIN.

Cross Talk:

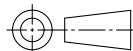
1MHz~40 MHz -30dB MIN.
40MHz~100 MHz -33+20LOG(F/50)dB MIN.

CM to CM Rejection:

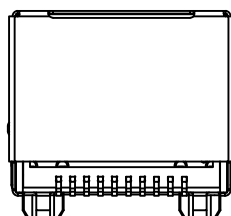
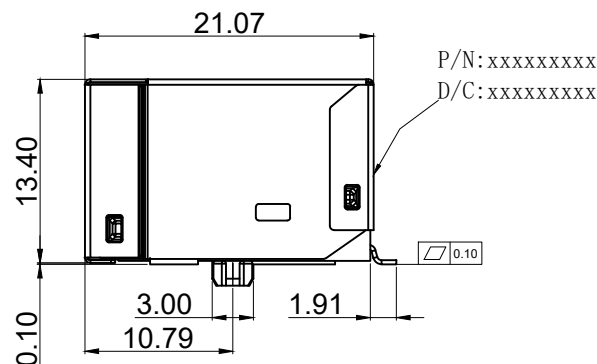
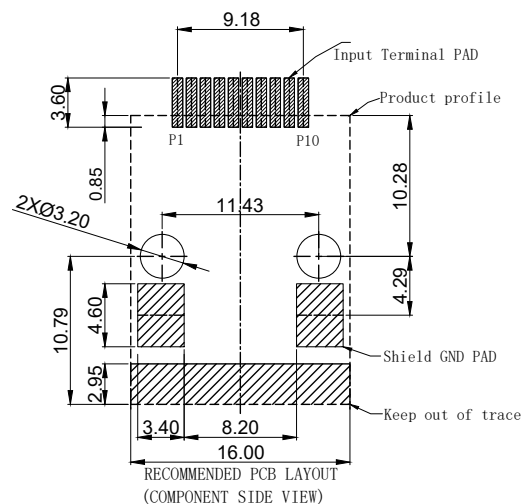
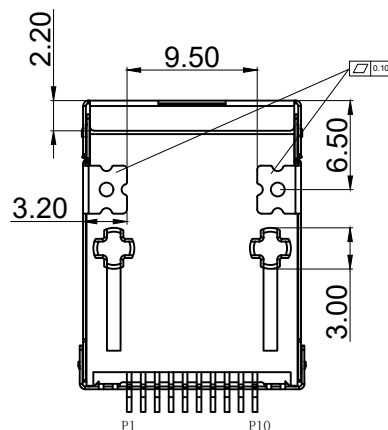
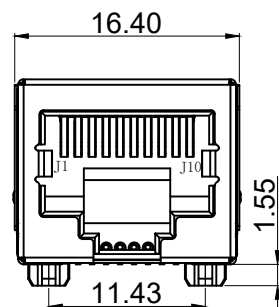
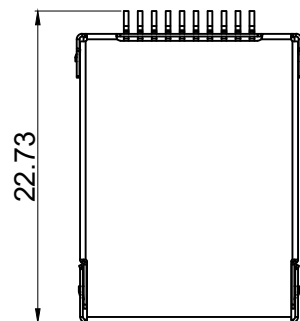
1MHz~100 MHz -30dB MIN.

CM to DM Rejection:

1MHz~100 MHz -30dB MIN.

TITLE RJ45 1X1 8P8C TAB DOWN WITHOUT LED				DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd				
PART NO. DY59-S511174-00A				GENERAL TOLERANCE			UNIT:MM(INCH)	SIZE: A4
DRAW	CHEN	DATE	2026-08-03	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 3/6	REV:A
CHECK	Li	DATE	2026-08-03	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-08-03	.XXX				

MECHANICAL DIMENSION



1.MATERIALS AND FINISH

HOUSING:THERMOPLASTIC FLAMMABILITY RATING LCP UL94V-0.
(COLOR:PANTONE BLACK)
CONTACT:PHOSPHOR BRONZE T=0.35MM FLAT PIN
PLATING:Fu"GOLD PLATING OVER NICKEL
SHIELD: 0.20MM THICKNESS COPPER ALLOY WITH NICKEL PLATED
PCB RETENTION FRE-SOLDER: 1LB MIN.
TAILS: NICKEL PLATING COVERED BY 100U" TIN PLATING.

2.MECHANICAL CHARACTERISTICS

DURABILITY: 750(MODULAR JACK) INSERTION/PLUG DIMENSION
CYCLES

3.ENVIRONMENTAL

OPERATING TEMPERATURE: -0℃~+70℃
STORAGE TEMPERATURE: -40℃~+85℃

4.DESIGN AND CONSTRUCTION

COMPLIES WITH IEEE802.3 STANDARDS

TITLE
RJ45 1X1 8P8C TAB DOWN WITHOUT LED

PART NO.
DY59-S511174-00A

GENERAL TOLERANCE

DRAW	CHEN	DATE	2026-08-03	.X±0.35	.X±1°
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DELEC 多亞電子有限公司
Duoya Electronics Co.,Ltd



SCALE: 1:1

UNIT:MM(INCH)

SIZE: A4

SHEET: 4/6

REV:A

IR REFLOW TEMPERATURE PROFILE

(1).Temperature condition of IR reflow soldering.

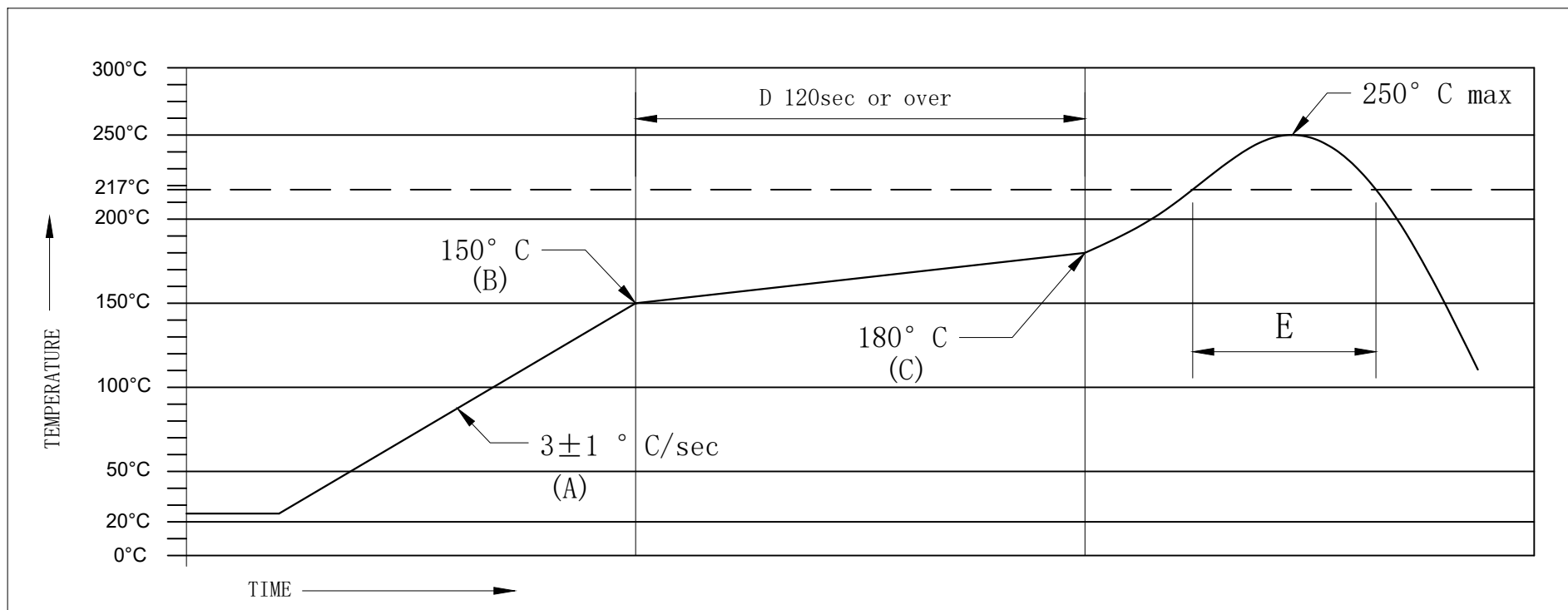
Conterts	Soldering Condition
A:Increasing	$3\pm 1^{\circ}\text{C/sec}$
B:Pre-heat starting Temp	150°C
C:Pre-heat ending Temp	180°C
D:Pre-heat interval	120 sec or over
E:Over 217°C time	60-150 sec
F:Peak Temperature	250°C Max

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

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

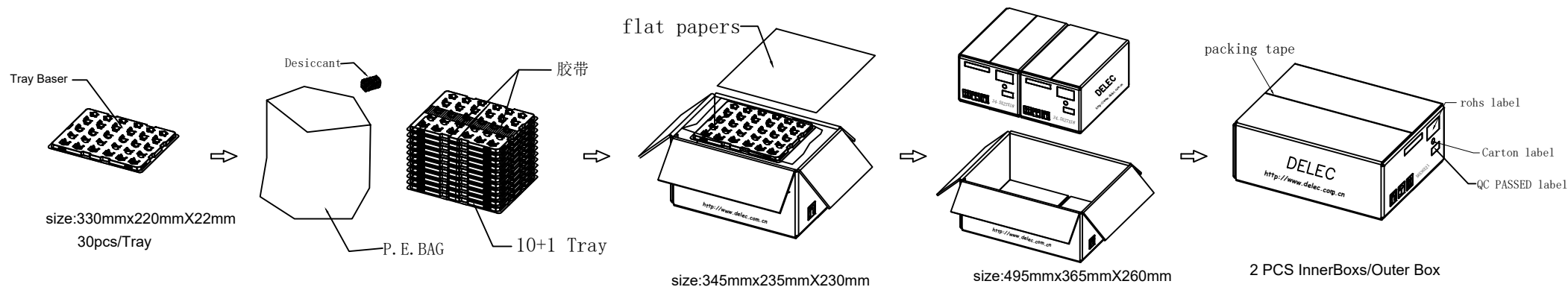
(b).99.3Sn - 0.7Cu

(c).95Sn - 5Sb

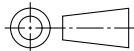


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APPROVE	De	DATE	2026-08-03	.XXX						

PACKAGE INFORMATION AND LABEL



PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY
20 TRAYS (600 PCS FINISHED GOODS) PER CARTON Outer Box

TITLE RJ45 1X1 8P8C TAB DOWN WITHOUT LED						DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO. DY59-S511174-00A							UNIT:MM(INCH)	SIZE: A4
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APPROVE	De	DATE	2026-08-03	.XXX				REV:A