

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	Ting Liu

CUSTOMER

CUSTOMER APPROVAL:

☐ APPROVAL

☐ CONCESSIONARY

☐ REJECTED

ISSUED BY : _____

CHECKED BY: _____

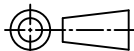
APPROVED BY: _____

COMMENTS : _____

CUSTOMER: _____

CUSTOMER PART NO: _____

SAMPLE Q'TY: _____

TITLE				1000 BASE-T RJ45 CONNECTOR 1X2 TAB UP WITH LED				 多亞電子有限公司 Duoya Electronics Co.,Ltd		
PART NO.				DY59-B212C74-24A		GENERAL TOLERANCE			UNIT: MM(INCH)	SIZE: A4
DRAW	Chen	DATE	2026-08-05	.X±0.35	.X±1°			SCALE: 1:1	SHEET: 1/7	REV: A
CHECK	Chen	DATE	2026-08-05	.XX±0.25	.XX±0.5°					
APPROVE	De	DATE	2026-08-05	.XXX						

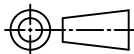
THIS DRAWING IS A CONTROLLED DOCUMENT FOR DUOYA CONNECTOR CORPORATION

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

BY DUOYA CONNECTOR CORPORATION

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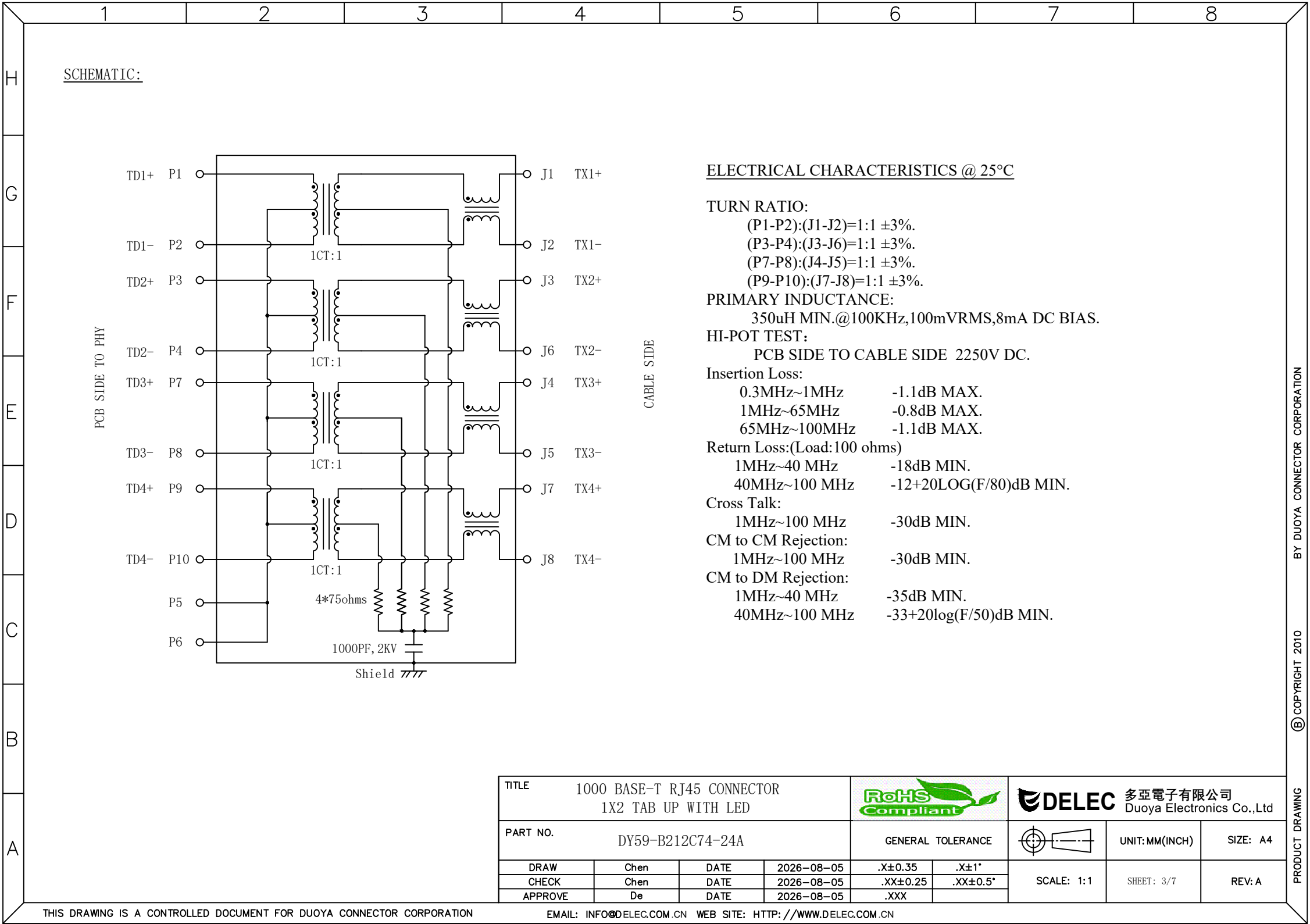
PRODUCT DRAWING

	1	2	3	4	5	6	7	8								
H	ISSUE RECORD															
	REV	DESCRIPTION OF CHANGE			REVIEWED BY	APPROVED BY	ISSUE DATE									
G	A	FIRST ISSUE			Chen	De	2026-08-05									
F																
E																
D																
C																
B																
A																
TITLE					1000 BASE-T RJ45 CONNECTOR 1X2 TAB UP WITH LED				 多亞電子有限公司 Duoya Electronics Co.,Ltd							
PART NO.					DY59-B212C74-24A		GENERAL TOLERANCE				UNIT: MM(INCH)	SIZE: A4				
DRAW			Chen	DATE	2026-08-05	.X±0.35	.X±1°	SCALE: 1:1		SHEET: 2/7		REV: A				
CHECK			Chen	DATE	2026-08-05	.XX±0.25	.XX±0.5°									
APPROVE			De	DATE	2026-08-05	.XXX										
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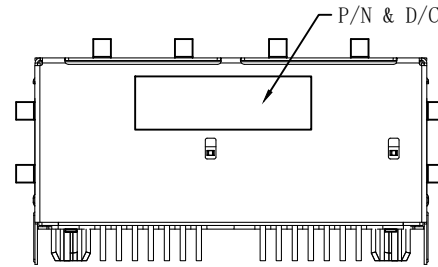
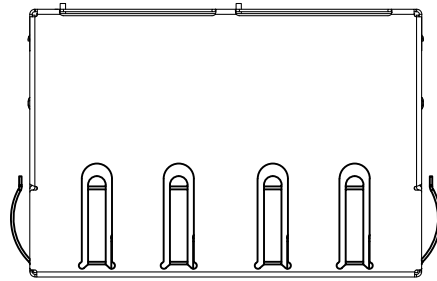
BY DUOYA CONNECTOR CORPORATION

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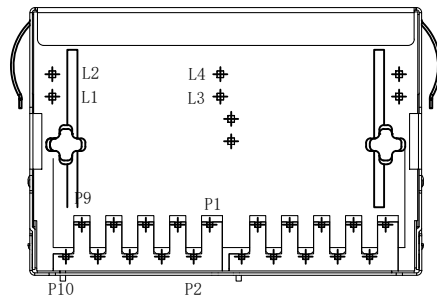
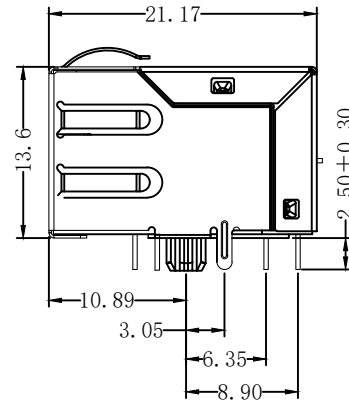
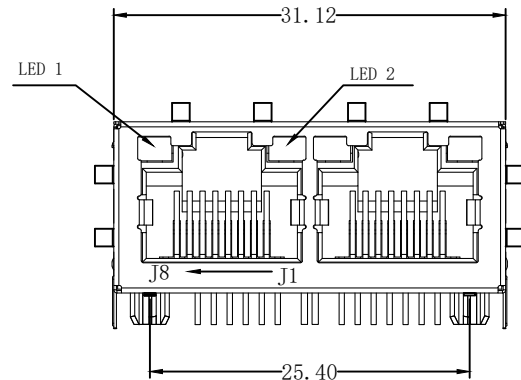
PRODUCT DRAWING



MECHANICAL DIMENSION



Back View



1. MATERIALS AND FINISH

HOUSING: GLASS FILLED POLYESTER UL94V-0 LCP 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: 100U"~200U" TIN MIN OVER 30U" MIN NICKEL.

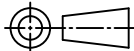
2. MECHANICAL CHARACTERISTICS

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

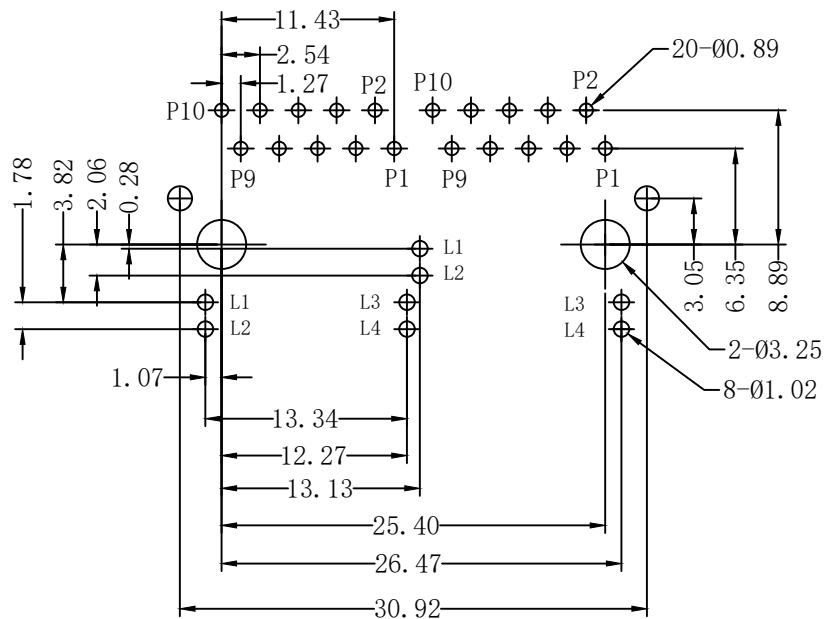
3. ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C~+75°C

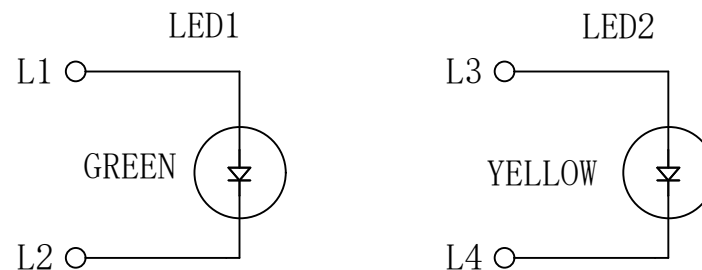
STORAGE TEMPERATURE: -40°C~+85°C

TITLE 1000 BASE-T RJ45 CONNECTOR 1X2 TAB UP WITH LED						 多亞電子有限公司 Duoya Electronics Co., Ltd		
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DRAW	Chen	DATE	2026-08-05	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 4/7	REV: A
CHECK	Chen	DATE	2026-08-05	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-08-05	.XXX				

RECOMMENDED PCB LAYOUT AND LED:



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



LED ELECTRICAL/OPTICAL CHARACTERISTICS

LED 1 POLARITY			LED 2 POLARITY		
L1	L2	COLOR	L3	L4	COLOR
+	-	GREEN	+	-	YELLOW

COLOR	IF	VF (FORWARD VOLTAGE)	λ D DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
YELLOW	20mA	2.1 V	590nm

TITLE 1000 BASE-T RJ45 CONNECTOR 1X2 TAB UP WITH LED				RoHS Compliant		DELEC 多亞電子有限公司 Duoya Electronics Co.,Ltd	
PART NO. DY59-B212C74-24A				GENERAL TOLERANCE		UNIT: MM(INCH)	SIZE: A4
DRAW	Chen	DATE	2026-08-05	.X±0.35	.X±1°	SCALE: 1:1	SHEET: 5/7
CHECK	Chen	DATE	2026-08-05	.XX±0.25	.XX±0.5°		
APPROVE	De	DATE	2026-08-05	.XXX			

IR REFLOW TEMPERATURE PROFILE

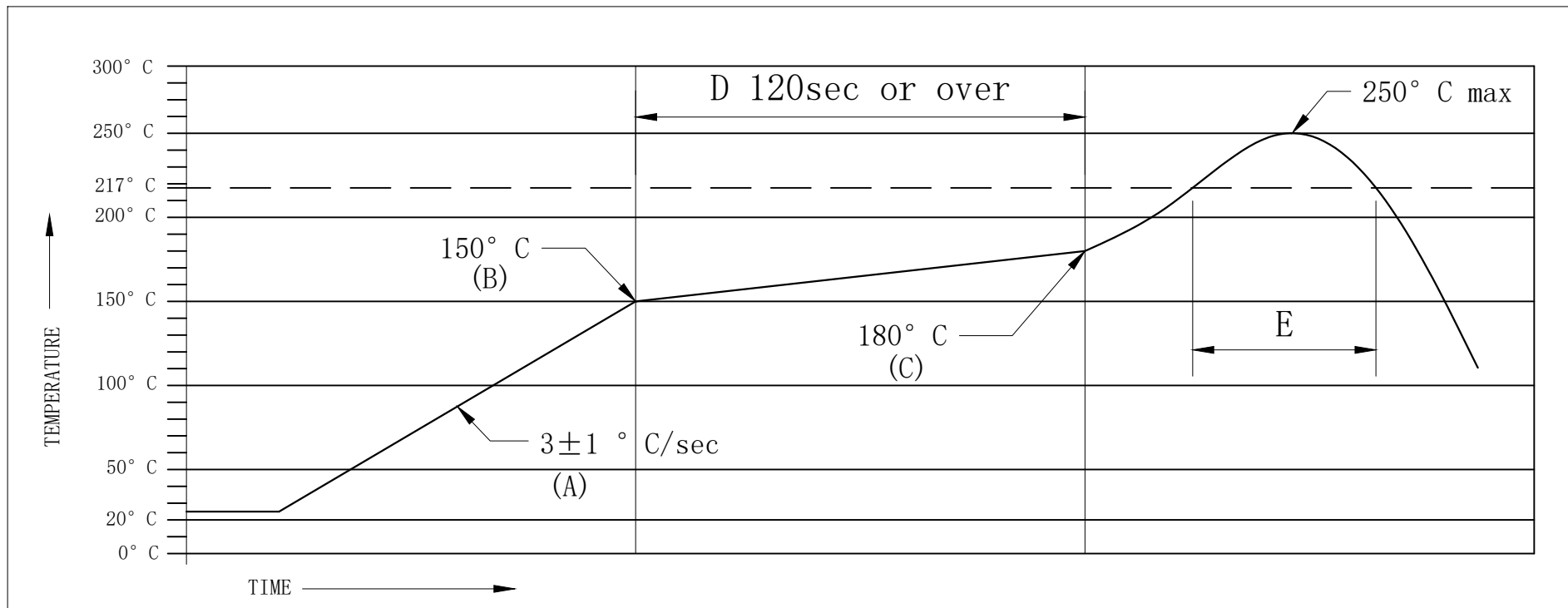
(1).Temperature condition of IR reflow soldering.

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 10S

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

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

(b).99.3Sn - 0.7Cu



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DRAW	Chen	DATE	2026-08-05	.X±0.35	.X±1°		SCALE: 1:1	SHEET: 6/7
CHECK	Chen	DATE	2026-08-05	.XX±0.25	.XX±0.5°			
APPROVE	De	DATE	2026-08-05	.XXX				REV: A

