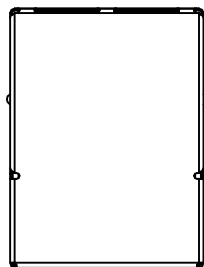
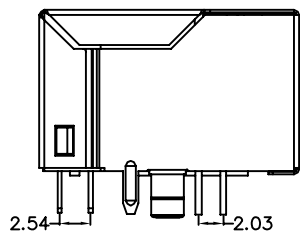


REACH & RoHS  
COMPLIANT

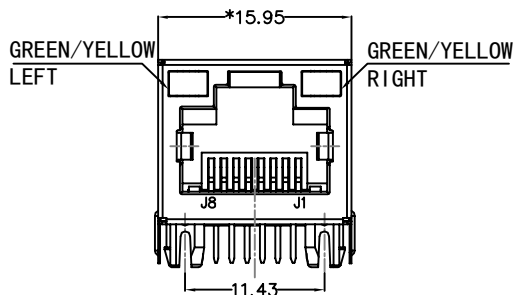
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17



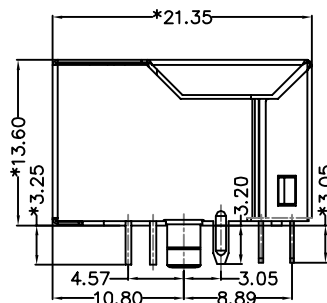
TOP VIEW



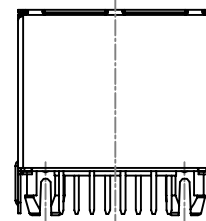
LEFT SIDE VIEW



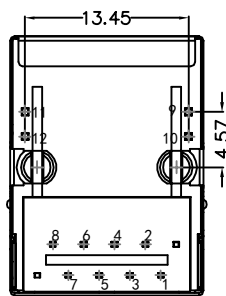
FRONT VIEW



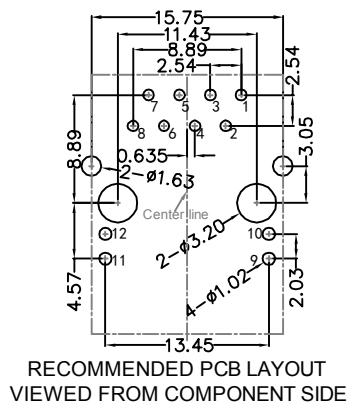
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PBT,UL94V-0,BLACK.  
 TERMINALS BRACKET: PBT,UL94V-0,BLACK.  
 SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.  
 TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
 6U" GOLD PLATING ON CONTACT AREA.

**MECHANICAL:**

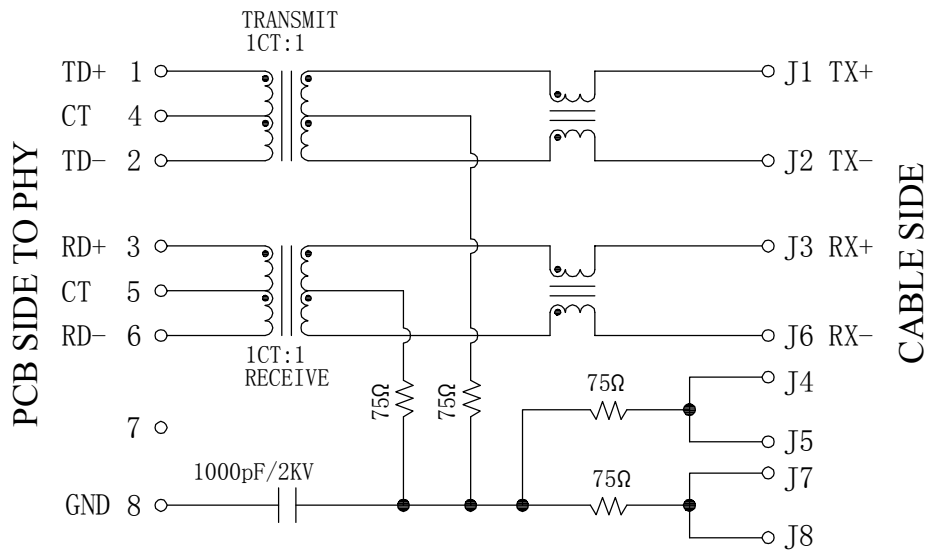
DURABILITY : 750 CYCLES MIN.  
 MATING FORCE : 23N MAX.  
 OPERATING TEMPERATURE: -40°C~+85°C.  
 STORAGE TEMPERATURE: -40°C~+85°C.  
 ALL CRITICAL DIMENSIONS WITH "\*"

CELION SAS

TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
	PART NO.: 211B002CG1A4D	SACLE 1:1	REV A0	$x \pm 0.35$	$x^\circ \pm 3.0^\circ$
	REMARK:	SHEET 1/3		$.xx \pm 0.25$	$.xx^\circ \pm 1.5^\circ$
				$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$
					CHECKED BY: TW.XU
					DESIGND BY: ZG.Hu

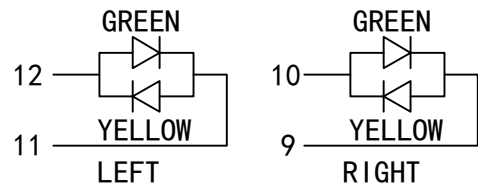
REACH & RoHS  
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17



### Electrical:

- Turn ratio: 1~2: J1~J2=1CT:1CT(±2%).  
3~6: J3~J6=1CT:1CT(±2%).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -20dB Min 1~10MHz;  
-16dB Min 10~30MHz.  
-12dB Min 30~60MHz.  
-10dB Min 60~80MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 1500V AC & 2250V DC  
6S 1mA PRI TO SEC



### LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V

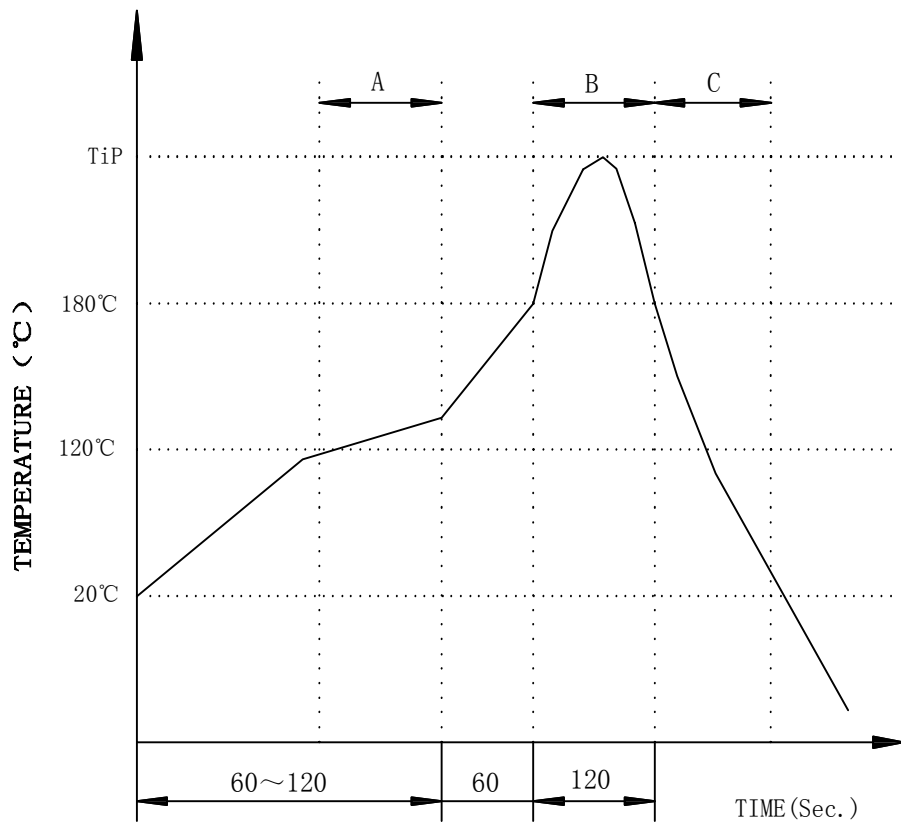
CELION SAS

TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
PART NO.: 211B002CG1A4D	SACLE 1:1	REV A0	x±0.35 .xx±0.30	x°±3.0° .x°±2.0°	CHECKED BY: TW.XU
REMARK:	SHEET 2/3		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: ZG.Hu

REACH & RoHS  
COMPLIANT

# PROFILE OF WAVE SOLDER

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17



A.Preheating B.Soldering C.Gradual Cooling  
 Tip temperature:260±5°C.  
 Tip temperature time:5Sec Max.  
 Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

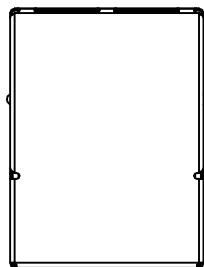
Remarks: after wave soldering, the plastic  
 positioning columns of the product which under the  
 PCB will be slightly melted, but it won't affect its  
 function.

CELION SAS

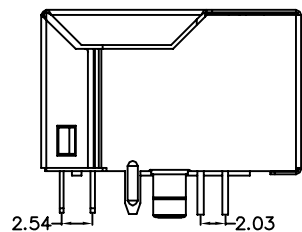
TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong	
	PART NO.: 211B002CG1A4D	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: TW.XU
				.x±0.30	.x°±2.0°	
REMARK:	SHEET 3/3		.xx±0.25	.xx°±1.5°	DESIGND BY: ZG.Hu	
			.xxx±0.10	.xxx°±1.0°		

REACH & RoHS  
COMPLIANT

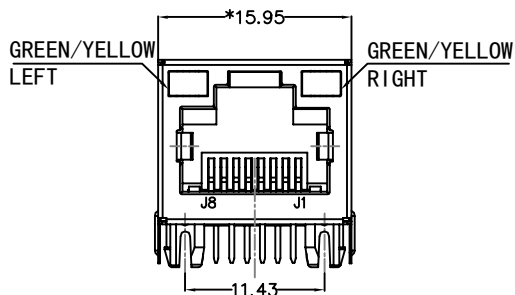
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17



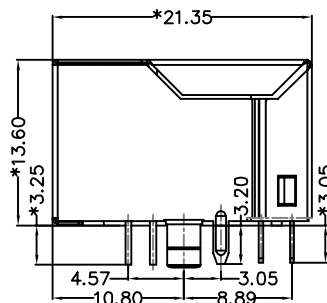
TOP VIEW



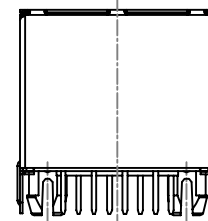
LEFT SIDE VIEW



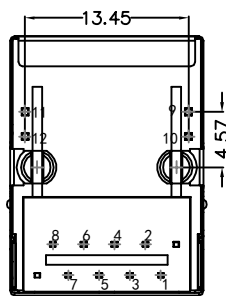
FRONT VIEW



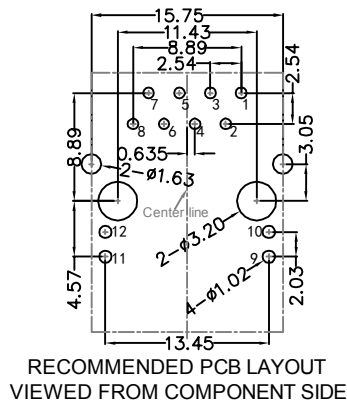
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PA9T,UL94V-0,BLACK.  
 TERMINALS BRACKET: PA9T,UL94V-0,BLACK.  
 SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.  
 TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
 6U" GOLD PLATING ON CONTACT AREA.

**MECHANICAL:**

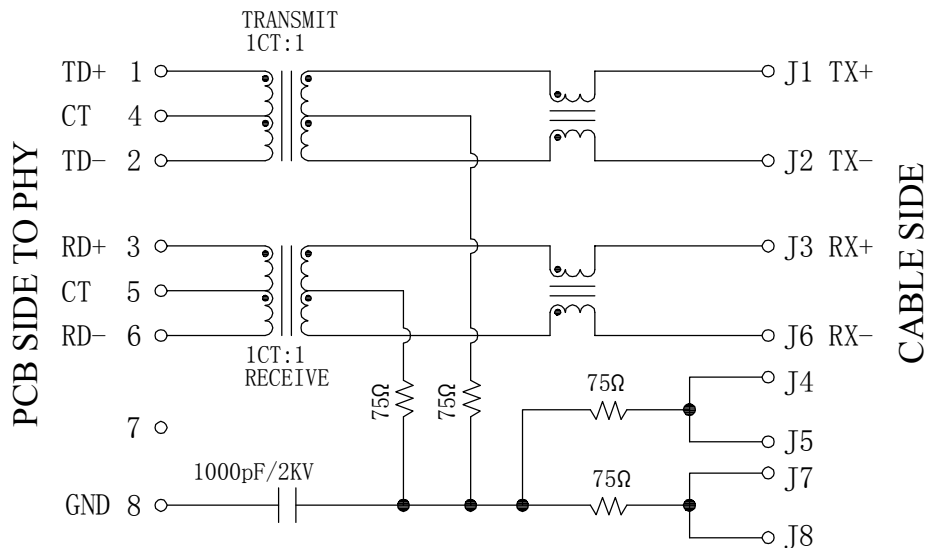
DURABILITY : 750 CYCLES MIN.  
 MATING FORCE : 23N MAX.  
 OPERATING TEMPERATURE: -40°C~+85°C.  
 STORAGE TEMPERATURE: -40°C~+85°C.  
 ALL CRITICAL DIMENSIONS WITH "\*"

CELION SAS

TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong	
	PART NO.: 211B002CG1A15DMZH	SACLE 1:1	REV A0	$x \pm 0.35$	$x^\circ \pm 3.0^\circ$	CHECKED BY: TW.XU
		REMARK:	SHEET 1/3		$.xx \pm 0.25$	
$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$				DESIGND BY: ZG.Hu	

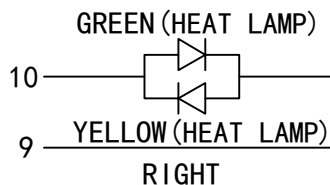
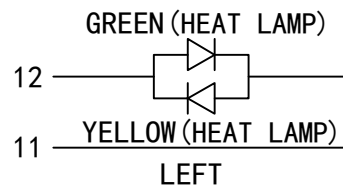
REACH & RoHS  
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17



**Electrical:**

- Turn ratio: 1~2: J1~J2=1CT:1CT(±2%).  
3~6: J3~J6=1CT:1CT(±2%).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -20dB Min 1~10MHz;  
-16dB Min 10~30MHz.  
-12dB Min 30~60MHz.  
-10dB Min 60~80MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 1500V AC & 2250V DC  
6S 1mA PRI TO SEC



**LED Specification**

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V

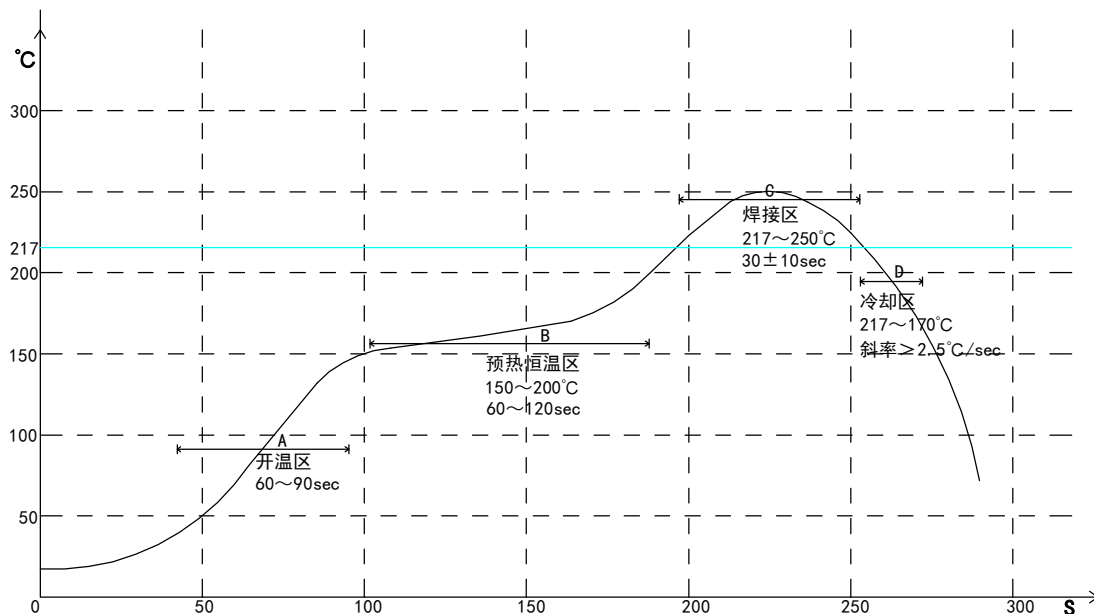
CELION SAS

TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
PART NO.: 211B002CG1A15DMZH	SACLE 1:1	REV A0	x±0.35 .xx±0.25 .xxx±0.10	x°±3.0° .x°±2.0° .xx°±1.5° .xxx°±1.0°	CHECKED BY: TW.XU
REMARK:	SHEET 2/3		DESIGND BY: ZG.Hu		

REACH & RoHS  
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.03.17

# PROFILE OF REFLOW SOLDERING



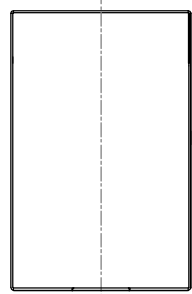
A. Temperature range of open  
 B. Preheat temperature zone  
 C. The welding zone  
 D. The cooling zone  
 Tip temperature: 265±5°C.  
 Tip temperature time: 30±10Sec.  
 Tip melting point of Sn96.5/Ag3/Cu0.5.

CELION SAS

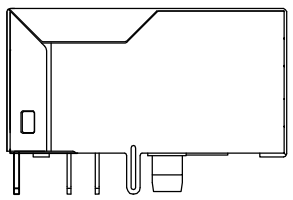
TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
PART NO.: 211B002CG1A15DMZH	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: TW.XU
REMARK:	SHEET 3/3		.xx±0.25	.xx°±1.5°	DESIGND BY: ZG.Hu
			.xxx±0.10	.xxx°±1.0°	

REACH & RoHS  
COMPLIANT

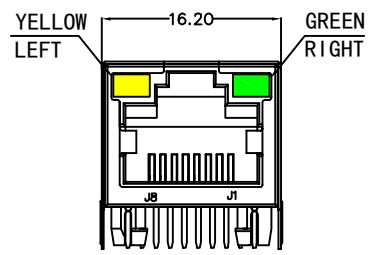
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.10.15



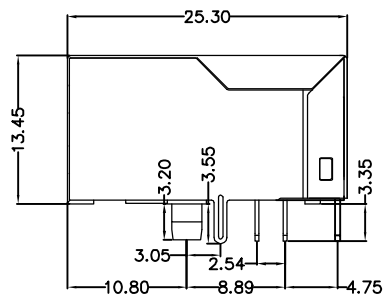
TOP VIEW



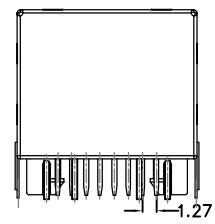
LEFT SIDE VIEW



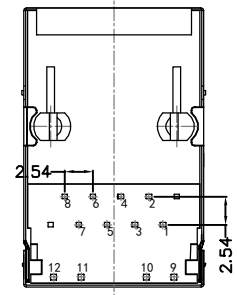
FRONT VIEW



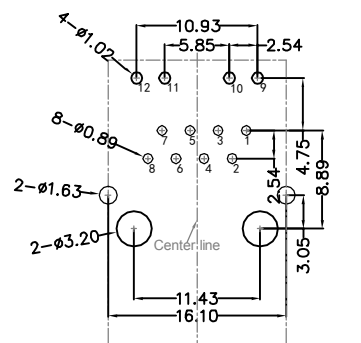
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PBT,UL94V-0,BLACK.  
 TERMINALS BRACKET: PBT,UL94V-0,BLACK.  
 SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.  
 TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
 6U" GOLD PLATING ON CONTACT AREA.

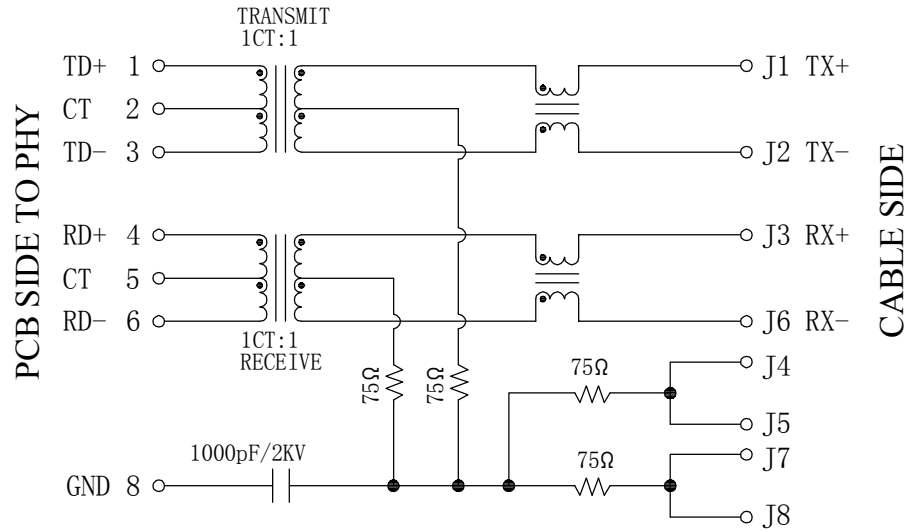
**MECHANICAL:**

DURABILITY : 750 CYCLES MIN.  
 MATING FORCE : 23N MAX.  
 OPERATING TEMPERATURE: -40°C~+85°C.  
 STORAGE TEMPERATURE: -40°C~+85°C.  
 ALL CRITICAL DIMENSIONS WITH "\*"

CELION SAS	TITLE:	SIZE	UNITS	GENERAL TOLERANCES		APPROVED BY:
	TAB-UP 1X1 100BASE	A4	MM[INCH]	UNLESS SPECIFIED		JP.Gong
	PART NO.:	SACLE	REV	x±0.35	x°±3.0°	CHECKED BY:
	311B083AB1A4DN	1:1	A0	.x±0.30	.x°±2.0°	TW.XU
REMARK:	SHEET	DESIGN BY:	ZG.Hu	.xx±0.25	.xx°±1.5°	
	1/3			.xxx±0.10	.xxx°±1.0°	

REACH & RoHS  
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.01.16

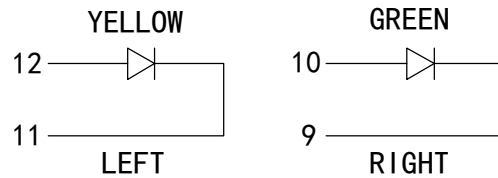


**Electrical:**

- Turn ratio: 1~3: J1~J2=1CT:1CT(±2%).  
4~6: J3~J6=1CT:1CT(±2%).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -20dB Min 1~10MHz;  
-16dB Min 10~30MHz.  
-12dB Min 30~60MHz.  
-10dB Min 60~80MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 1500V AC & 2250V DC  
6S 1mA PRI TO SEC

**LED Specification**

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V



CELION SAS

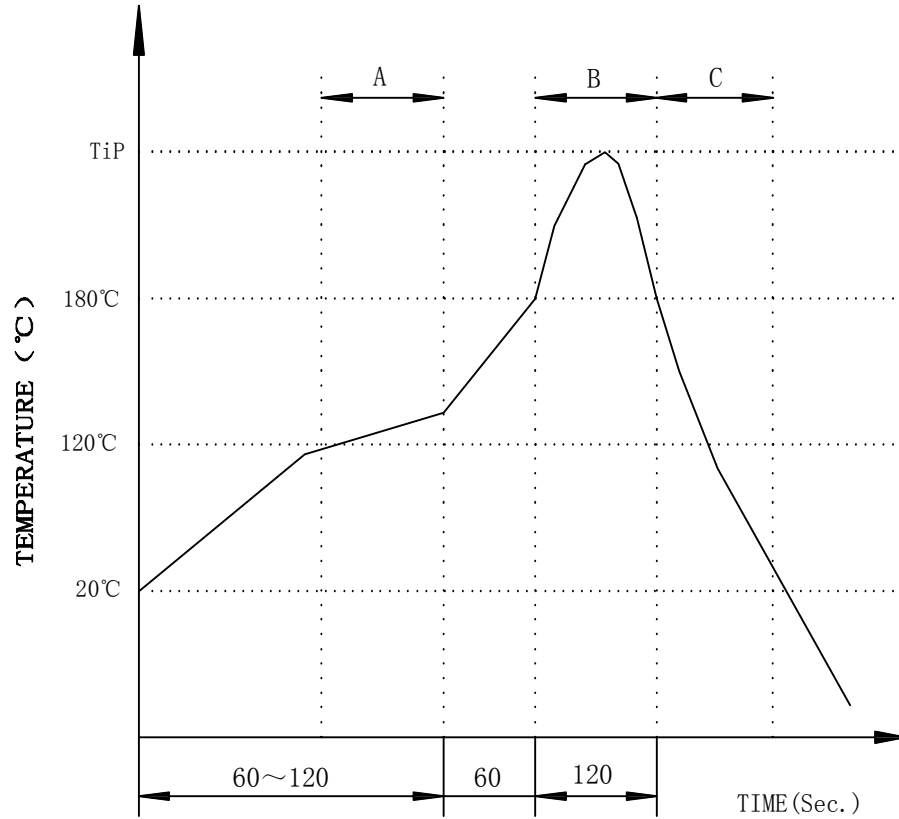
TITLE: TAB-UP 1X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
PART NO.: 311B083AB1A4DN	SACLE 1:1	REV A0	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: TW.XU
REMARK:	SHEET 2/3		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: ZG.HU



REACH & RoHS  
COMPLIANT

# PROFILE OF WAVE SOLDER

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2018.01.16



A.Preheating B.Soldering C.Gradual Cooling  
 Tip temperature:260±5°C.  
 Tip temperature time:5Sec Max.  
 Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic  
 positioning columns of the product which under the  
 PCB will be slightly melted, but it won't affect its  
 function.

CELION SAS

TITLE:  
TAB-UP 1X1 100BASE

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
JP.Gong

PART NO.:  
311B083AB1A4DN

SACLE  
1:1

REV  
A0

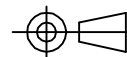
$x \pm 0.35$   
 $.x \pm 0.30$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$

CHECKED BY:  
TW.XU

REMARK:

SHEET  
3/3



$.xx \pm 0.25$   
 $.xxx \pm 0.10$

$.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

DESIGND BY:  
ZG.HU