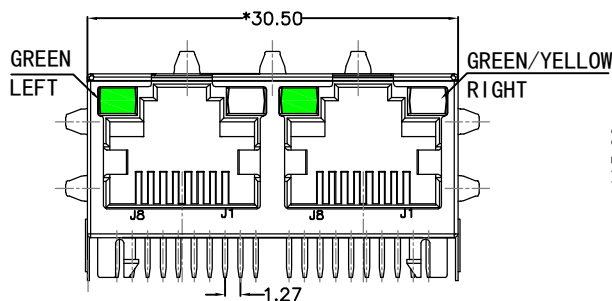
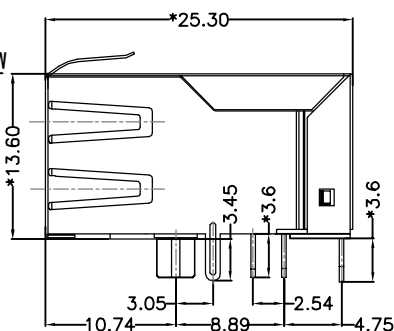


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COMPLIANT

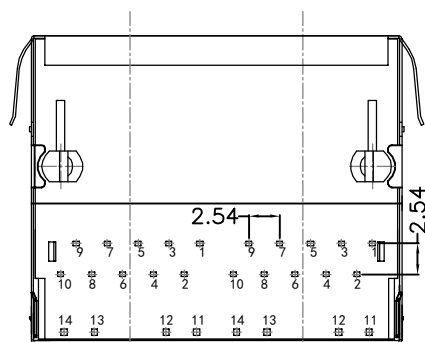
| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | X.YAN | 2017.11.27 |



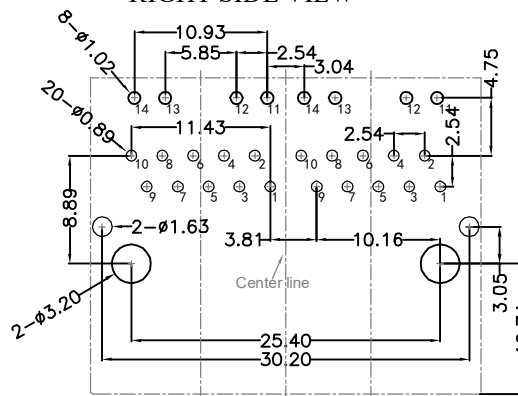
FRONT VIEW



RIGHT SIDE 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 "\*"

**CND-tek**  
磁联达

深圳磁联达电子有限公司  
Shenzhen magnetic Lianda Electronics Co., LTD

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Community, Xili Street, Nanshan District, Shenzhen  
E-mail: sales1@cd-tek.com 0755-27652992 29016433 Website:www.cd-tek.com

TITLE:  
TAB-UP 1X2 1000BASE

PART NO.:  
T12070ML6G

REMARK:

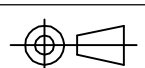
SIZE  
A4

SACLE  
1:1

SHEET  
1/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|           |            |
|-----------|------------|
| x±0.35    | x°±3.0°    |
| .x±0.30   | .x°±2.0°   |
| .xx±0.25  | .xx°±1.5°  |
| .xxx±0.10 | .xxx°±1.0° |

APPROVED BY:  
QG.CHEN

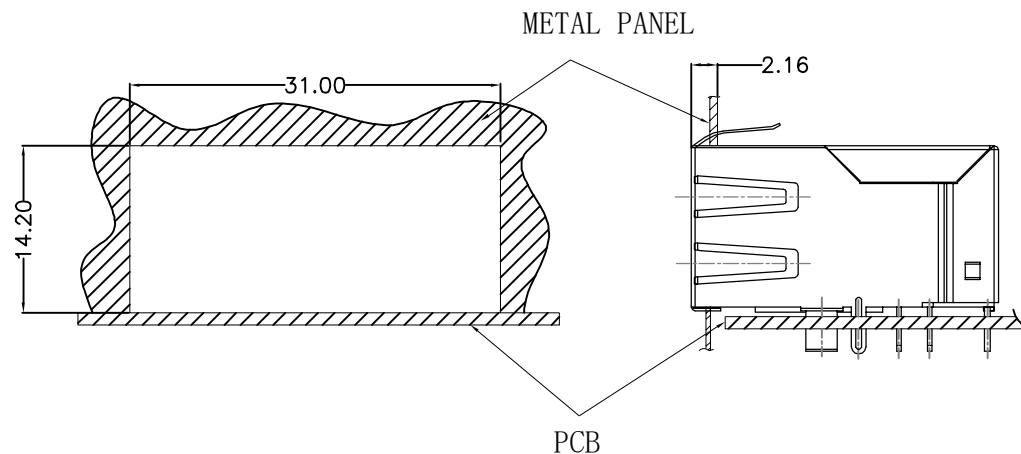
CHECKED BY:  
SL.WANG

DESIGND BY:  
X.YAN

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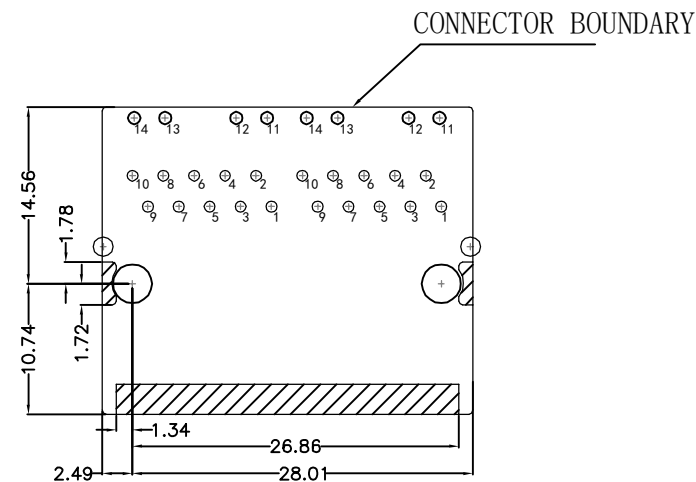
| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | X.YAN | 2017.11.27 |

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY):



UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004  
REFERENCE ONLY

KEEP-OUT AREA (COMPONENT SIDE VIEW):



PLUG-IN SIDE

UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004

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TITLE:  
TAB-UP 1X2 10/100/1000BASE

PART NO.:  
T12070ML6G

REMARK:

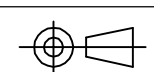
SIZE  
A4

SACLE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

$x \pm 0.35$   
 $x \pm 0.30$   
 $.xx \pm 0.25$   
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$   
 $.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

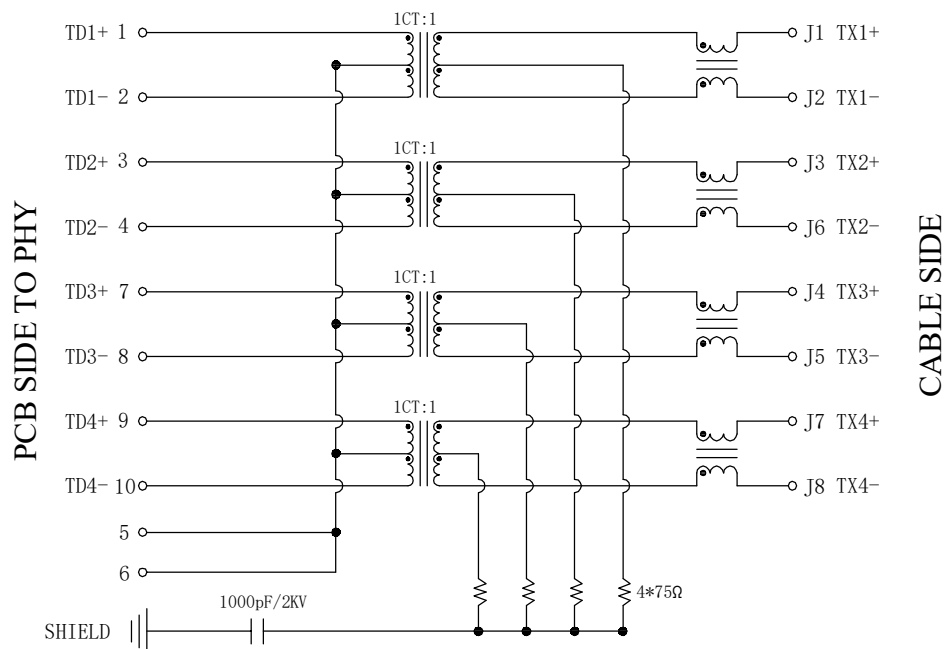
APPROVED BY:  
QG.CHEN

CHECKED BY:  
SL.WANG

DESIGN BY:  
X.YAN

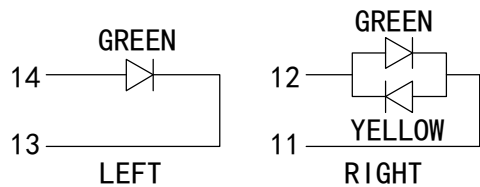
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COMPLIANT

| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | X.YAN | 2017.11.27 |



**Electrical:**

- Turn ratio: 1~2: J1~J2=1CT:1CT(±2%).  
3~4: J3~J6=1CT:1CT(±2%).  
7~8: J4~J5=1CT:1CT(±2%).  
9~10: J7~J8=1CT:1CT(±2%).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -18dB Min 1~30MHz;  
-14dB Min 30~60MHz.  
-12dB Min 60~80MHz.  
-10dB Min 80~100MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 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   |

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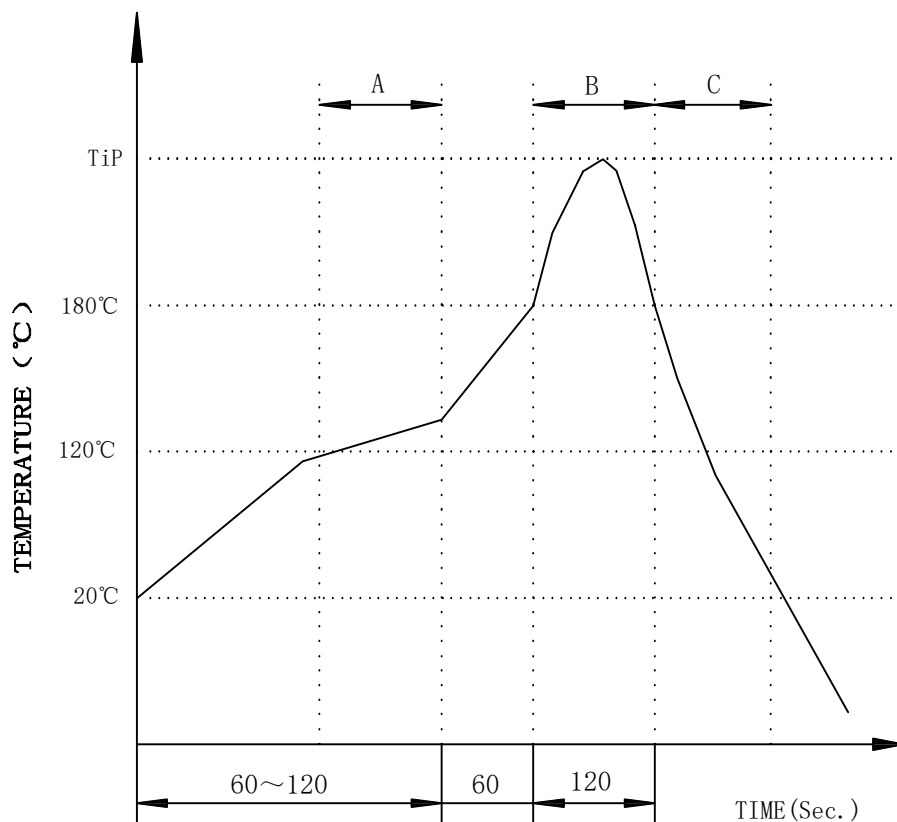
Address: 505, West Block, No. 221, Niucheng Road, Niucheng Village, Baiwang Community, Xili Street, Nanshan District, Shenzhen  
E-mail: sales1@cd-tek.com 0755-27652992 29016433 Website: www.cd-tek.com

|                                      |              |                   |  |                         |                         |
|--------------------------------------|--------------|-------------------|--|-------------------------|-------------------------|
| TITLE:<br>TAB-UP 1X2 10/100/1000BASE | SIZE<br>A4   | UNITS<br>MM[INCH] | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>QG.CHEN |
| PART NO.:<br>T12070ML6G              | SACLE<br>1:1 | REV<br>A0         | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>SL.WANG  |
| REMARK:                              | SHEET<br>3/4 |                   | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>X.YAN    |

REACH & RoHS  
COMPLIANT

# PROFILE OF WAVE SOLDER

| REV. | ECN / DESCRIPTION | BY    | DATE       |
|------|-------------------|-------|------------|
| A0   | NEW               | X.YAN | 2017.11.27 |



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.

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|                                      |              |                   |  |                         |                         |
|--------------------------------------|--------------|-------------------|--|-------------------------|-------------------------|
| TITLE:<br>TAB-UP 1X2 10/100/1000BASE | SIZE<br>A4   | UNITS<br>MM[INCH] | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>QG.CHEN |
| PART NO.:<br>T12070ML6G              | SACLE<br>1:1 | REV<br>A0         | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>SL.WANG  |
| REMARK:                              | SHEET<br>4/4 |                   | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>X.YAN    |