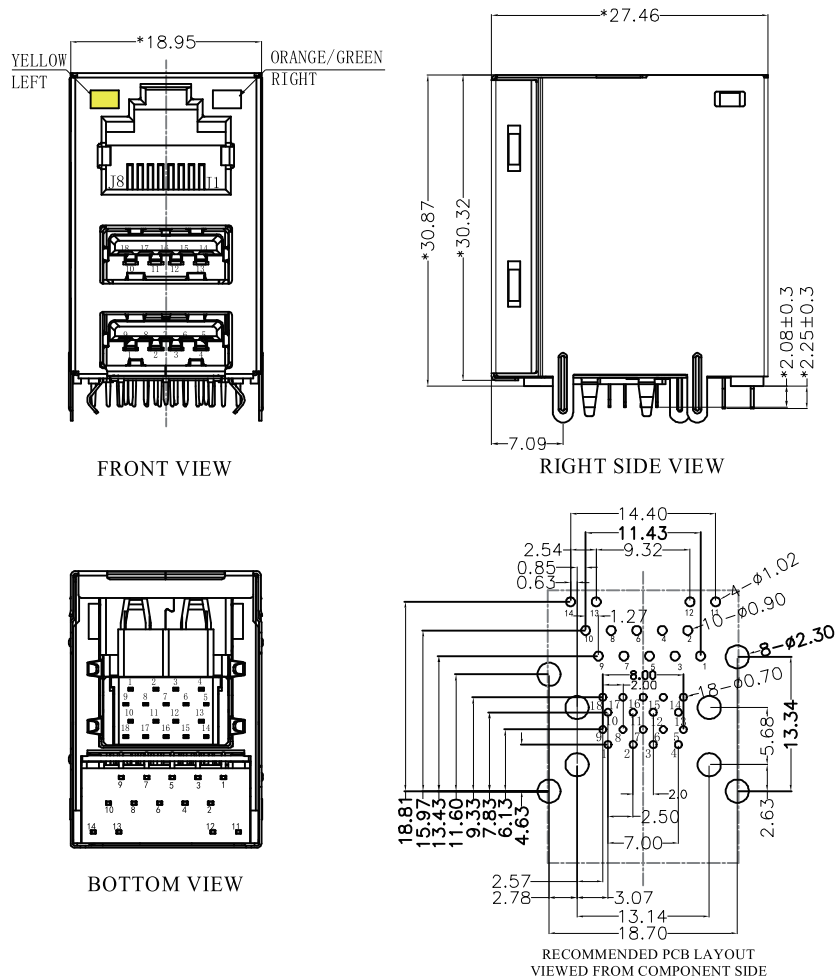


REACH & RoHS  
COMPLIANT



**MATERIAL:**

HOUSING: PBT,UL94V-0,BLACK.  
USB HOUSING: PBT,UL94V-0,BLUE.  
TERMINALS BRACKET: LCP,UL94V-0,BLACK.  
SHIELD: SUS304.  
TERMINAL: PHOSPHOR BRONZE C5191,T=0.35MM,  
30U" GOLD PLATING ON CONTACT AREA.  
USB TERMINAL: BRASS,T=0.25MM,  
G/FU" 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 "\*\*\*"

**VOOHU** 苏州沃虎电子科技有限公司  
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018

WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

TITLE:  
RJ45+双USB3.0 1000BASE  
PART NO.:  
SYT711U3Q009AE8WDBN359  
REMARK:

SIZE  
A4  
SACLE  
1:1  
SHEET  
1/4

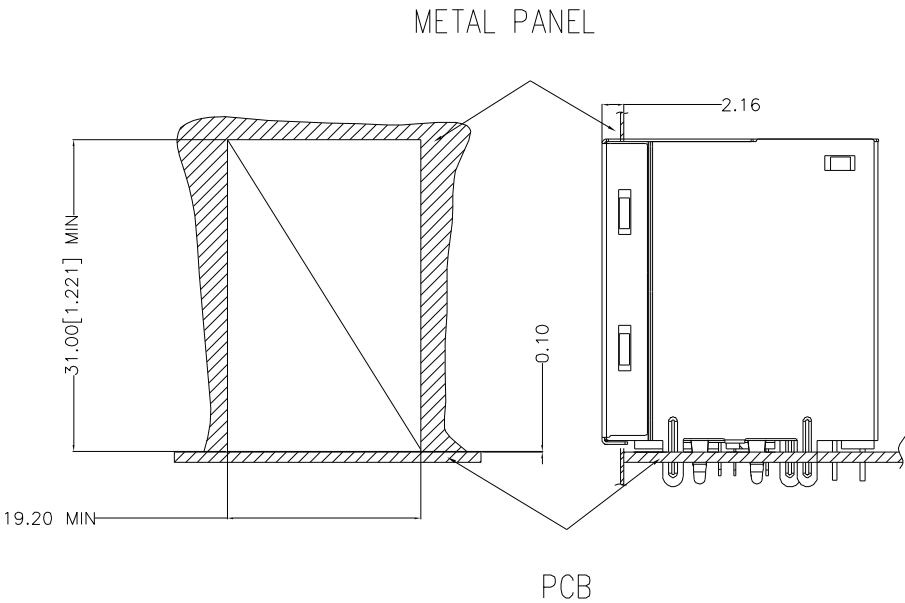
UNITS  
MM[INCH]  
REV  
A0

GENERAL TOLERANCES  
UNLESS SPECIFIED  
x±0.35  
.x±0.30  
.xx±0.25  
.xxx±0.10  
x°±3.0°  
.x°±2.0°  
.xx°±1.5°  
.xxx°±1.0°

APPROVED BY:  
Geoffrey.Song  
CHECKED BY:  
Elvis.Song  
DESIGND BY:  
Sunny.Xu

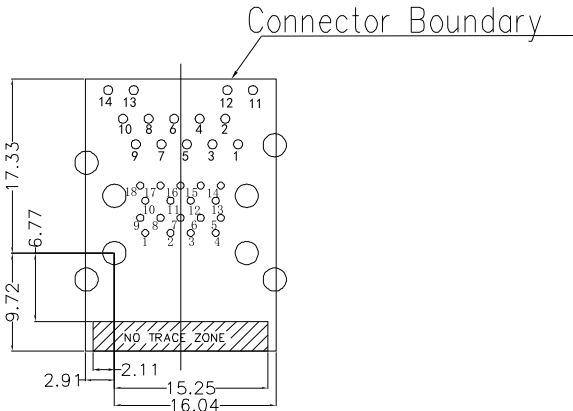
REACH & RoHS  
COMPLIANT

Suggested Panel Opening:



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

Keep-Out Area (Component Side View):



Plug In Side

UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

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RJ45+双USB3.0 1000BASE

PART NO.:  
SYT711U3Q009AE8WDBN359

REMARK:

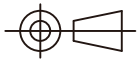
SIZE  
A4

SACLE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

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

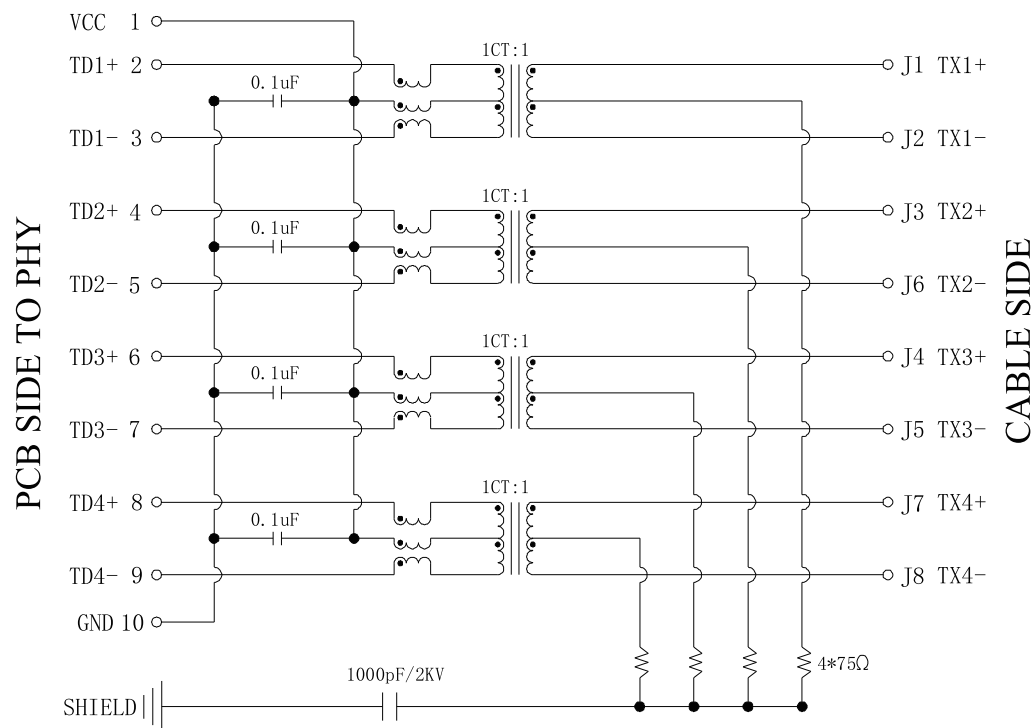
$.xx \pm 0.25$   
 $.xxx \pm 0.10$

APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGN BY:  
Sunny.Xu

REACH & RoHS  
COMPLIANT

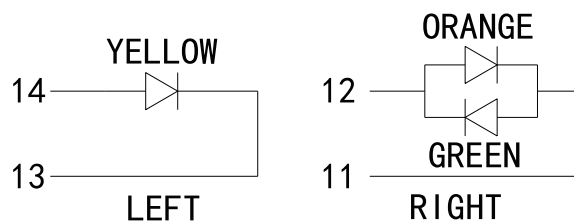


### Electrical:

- Turn ratio: 2~3: J1~J2=1CT:1CT( $\pm 2\%$ ).  
4~5: J3~J6=1CT:1CT( $\pm 2\%$ ).  
6~7: J4~J5=1CT:1CT( $\pm 2\%$ ).  
8~9: J7~J8=1CT:1CT( $\pm 2\%$ ).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.  
-1.2 dB Max 100~125MHz.
- Return loss: -16dB Min 1~40MHz;  
-12dB Min 40~60MHz.  
-10dB Min 60~80MHz.  
-8dB Min 80~100MHz.
- Cross talk: -30dB Min 1~100MHz;
- 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              | 565nm          | 20mA      | 2.2-2.4V  |
| Yellow             | 590nm          | 20mA      | 2.1-2.5V  |
| Orange             | 605nm          | 20mA      | 2.0-2.5V  |



TITLE:  
RJ45+双USB3.0 1000BASE

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
SYT711U3Q009AE8WDBN359

SACLE  
1:1

REV  
A0

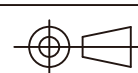
$x \pm 0.35$   
 $.x \pm 0.30$

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

CHECKED BY:  
Elvis.Song

REMARK:

SHEET  
3/4



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

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

DESIGND BY:  
Sunny.Xu

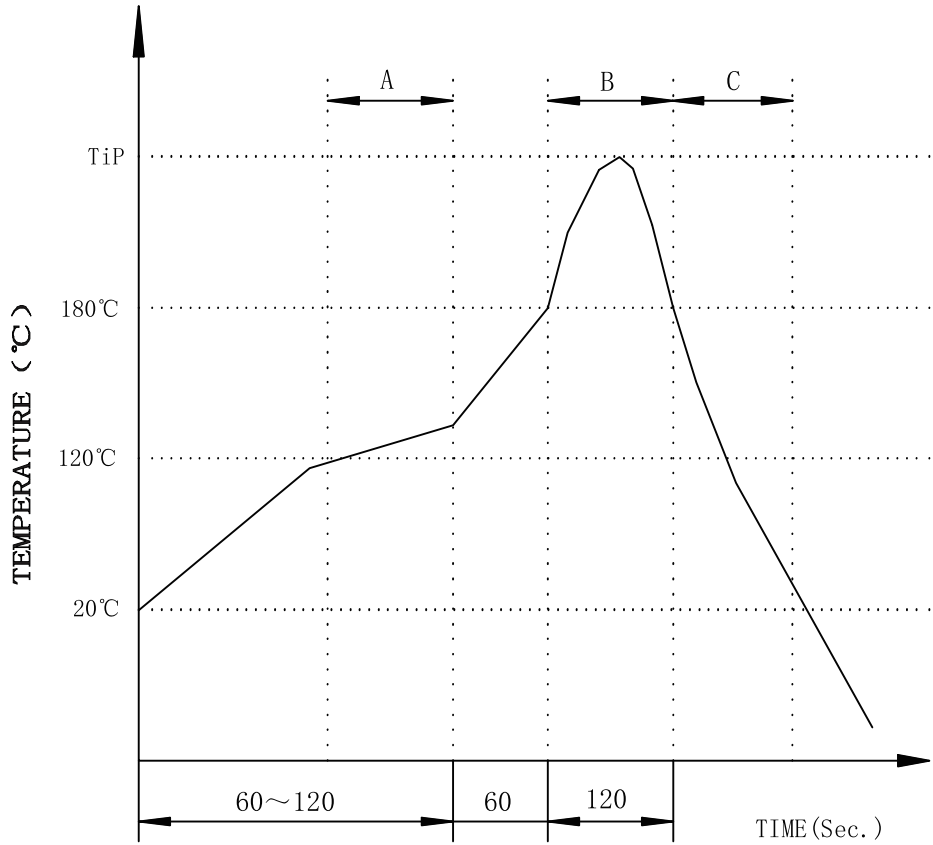
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REACH & RoHS  
COMPLIANT

# PROFILE OF WAVE SOLDER



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:  
RJ45+双USB3.0 1000BASE  
PART NO.:  
SYT711U3Q009AE8WDBN359

REMARK:

SIZE  
A4  
SACLE  
1:1  
REV  
A0



SHEET  
4/4

GENERAL TOLERANCES  
UNLESS SPECIFIED  
x±0.35  
.x±0.30  
.xx±0.25  
.xxx±0.10

x°±3.0°  
.x°±2.0°  
.xx°±1.5°  
.xxx°±1.0°

APPROVED BY:  
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CHECKED BY:  
Elvis.Song  
DESIGND BY:  
Sunny.Xu