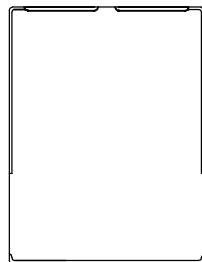
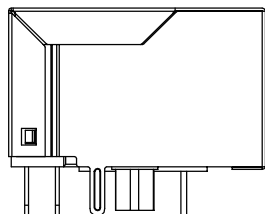


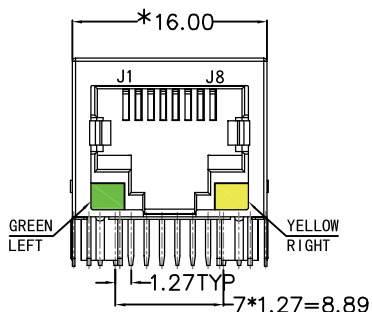
REACH & RoHS  
COMPLIANT



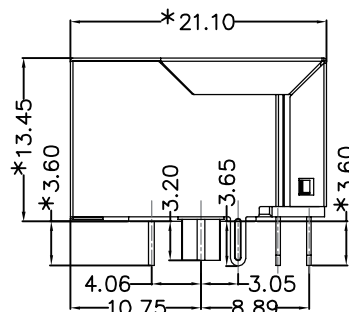
TOP VIEW



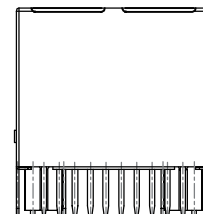
LEFT SIDE VIEW



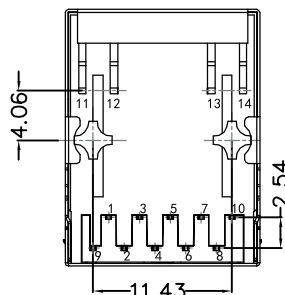
FRONT VIEW



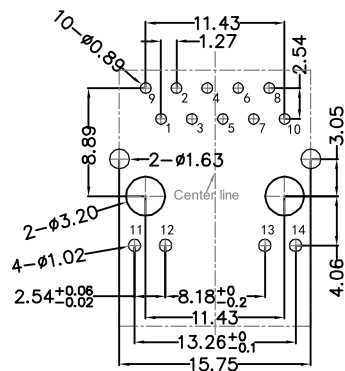
RIGHT SIDE VIEW



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 "\*"

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

TITLE:  
TAB-DOWN 1X1 100BASE POE+

PART NO.:  
SYT111B178AB2A1DP

REMARK:

SIZE  
A4

SACLE  
1:1

SHEET  
1/3

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:  
Geoffrey.Song

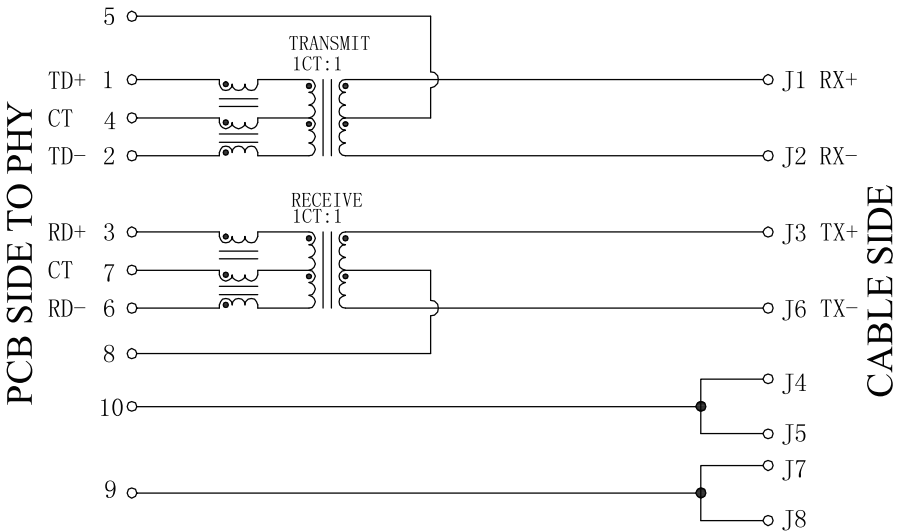
CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

TEL: +86 400 1048 018

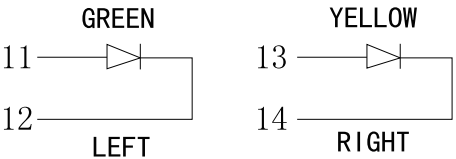
WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

REACH & RoHS  
COMPLIANT



**Electrical:**

- 1.Turn ratio:1~2:J1~J2=1CT:1CT( $\pm 2\%$ ).  
3~6:J3~J6=1CT:1CT( $\pm 2\%$ ).
- 2.OCL:350uH Min.@ 100KHz 100mV  
RMS(4Channel) 8mA DC BIAS.
- 3.Insertion Loss: -1.0 dB Max 1~100MHz.
- 4.Return loss: -20dB Min 1~10MHz;  
-16dB Min 10~30MHz.  
-12dB Min 30~60MHz.  
-10dB Min 60~80MHz.
- 5.Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- 6.CMR: -30dB Min 1~100MHz;
- 7.Hi-Pot:500V AC 6S 1mA PRI TO SEC
- 8.Single port magnetic jack POE magnetics acc.  
To IEEE802.3at for PSE or PD applications.
- 9.100% of production tested to comply with  
IEEE 802.3 isolation equirements balanced DC  
line current 720mA max. 57V DC continuous.



**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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TITLE:  
TAB-DOWN 1X1 100BASE POE+  
PART NO.:  
SYT111B178AB2A1DP

REMARK:

SIZE  
A4  
SACLE  
1:1  
SHEET  
2/3

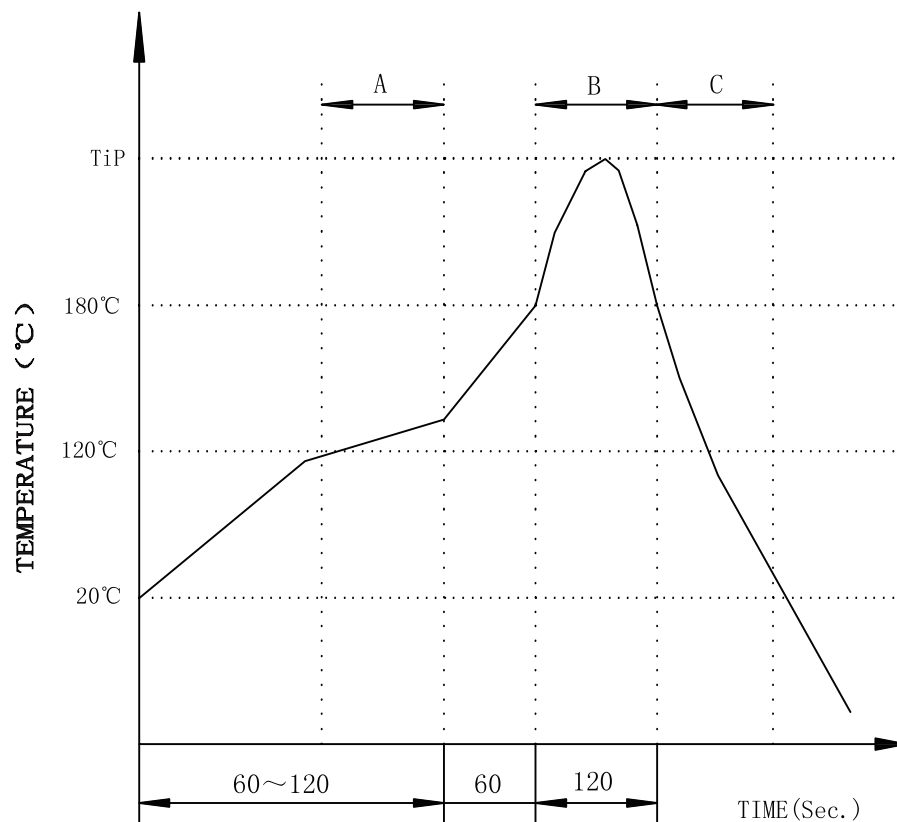
UNITS  
MM[INCH]  
REV  
A0  


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

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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Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:  
TAB-DOWN 1X1 100BASE POE+

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
SYT111B178AB2A1DP

SACLE  
1:1

REV  
A0

x±0.35  
.x±0.30

x°±3.0°  
.x°±2.0°

CHECKED BY:  
Elvis.Song

TEL: +86 400 1048 018

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

REMARK:

SHEET  
3/3



.xx±0.25  
.xxx±0.10

.xx°±1.5°  
.xxx°±1.0°

DESIGND BY:  
Sunny.Xu