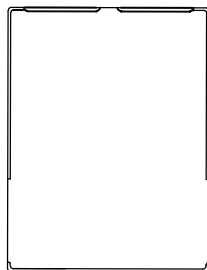
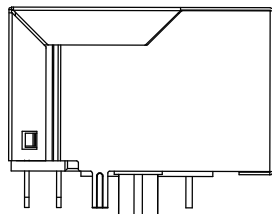


REACH & RoHS  
COMPLIANT

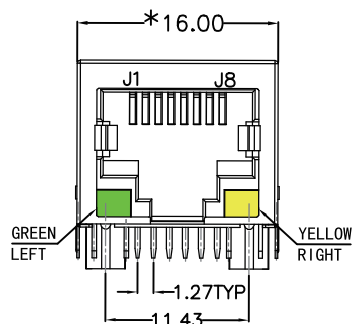
| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2017.11.17 |



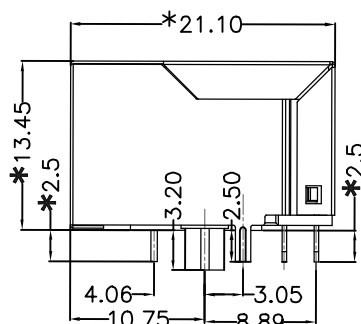
TOP VIEW



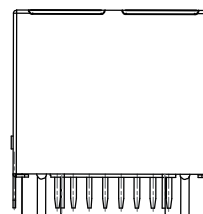
LEFT SIDE VIEW



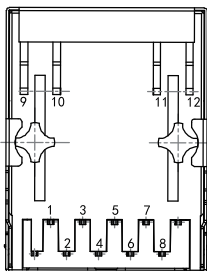
FRONT VIEW



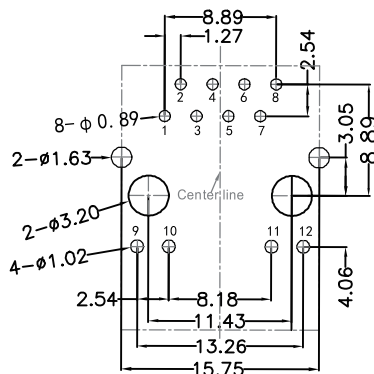
RIGHT SIDE VIEW



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 "\*"

TITLE:  
TAB-DOWN 1X1 100BASE

SIZE  
A4

UNITS  
MM[INCH]

GENERAL TOLERANCES  
UNLESS SPECIFIED

APPROVED BY:  
Geoffrey.Song

PART NO.:  
SYT111B002AA2A12DHMZ25

SCALE  
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  
1/4



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

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

DESIGNED BY:  
Sunny.Xu

**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)

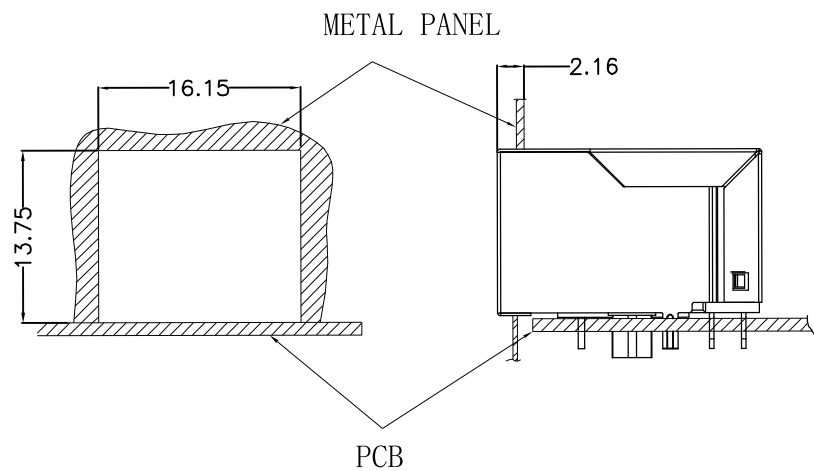
1  
2  
3  
4  
5  
6  
7  
8

REACH & RoHS  
COMPLIANT

| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2017.11.17 |

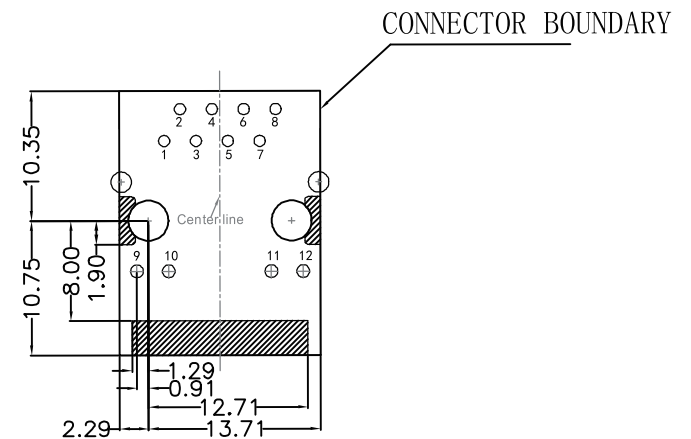
H  
G  
F  
E  
D  
C  
B  
A

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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Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:  
TAB-DOWN 1X1 100BASE

PART NO.:  
SYT111B002AA2A12DHMZ25

REMARK:

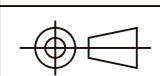
SIZE  
A4

SCALE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

|                 |                            |
|-----------------|----------------------------|
| $x \pm 0.35$    | $x^\circ \pm 3.0^\circ$    |
| $.x \pm 0.30$   | $.x^\circ \pm 2.0^\circ$   |
| $.xx \pm 0.25$  | $.xx^\circ \pm 1.5^\circ$  |
| $.xxx \pm 0.10$ | $.xxx^\circ \pm 1.0^\circ$ |

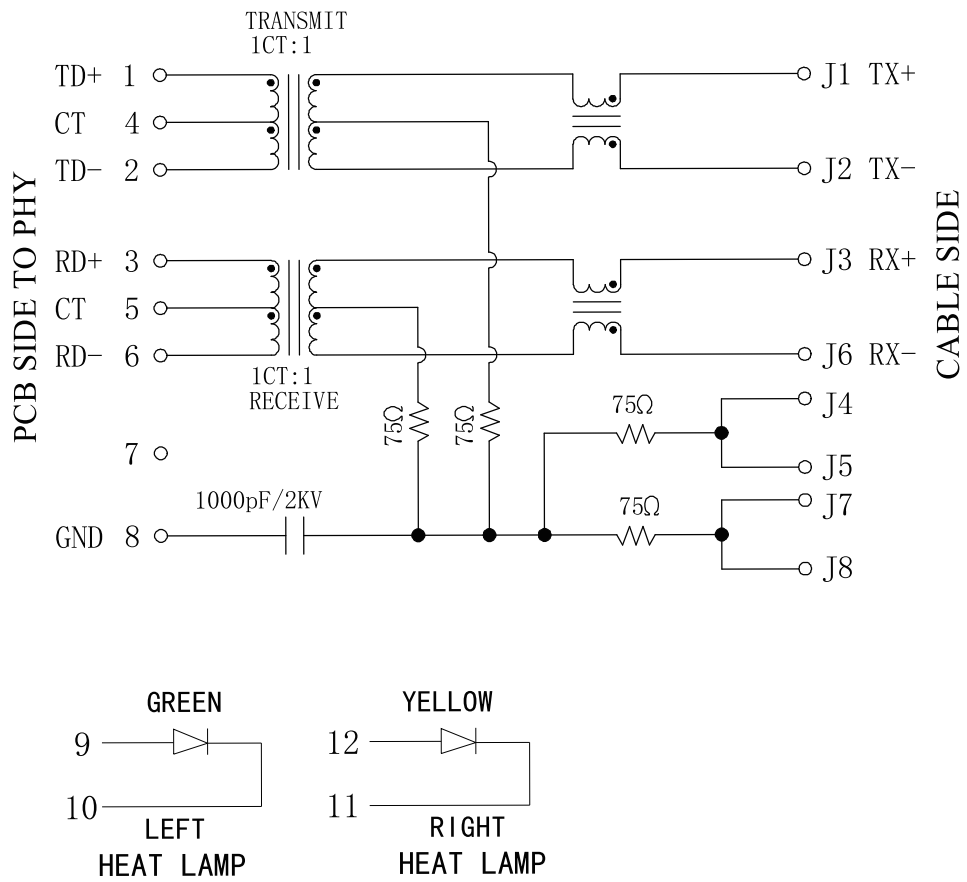
APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGNED BY:  
Sunny.Xu

TEL: +86 400 1048 018

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



Electrical:

- 1.Turn ratio:1~2:J1~J2=1CT:1CT(±2%).  
3~6:J3~J6=1CT:1CT(±2%).
- 2.OCL:350uH Min.at 100KHz 100mV 8mA DC.
- 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: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   |

1

2

3

4

5

6

7

8

A

B

C

D

E

F

G

H

A

B

C

D

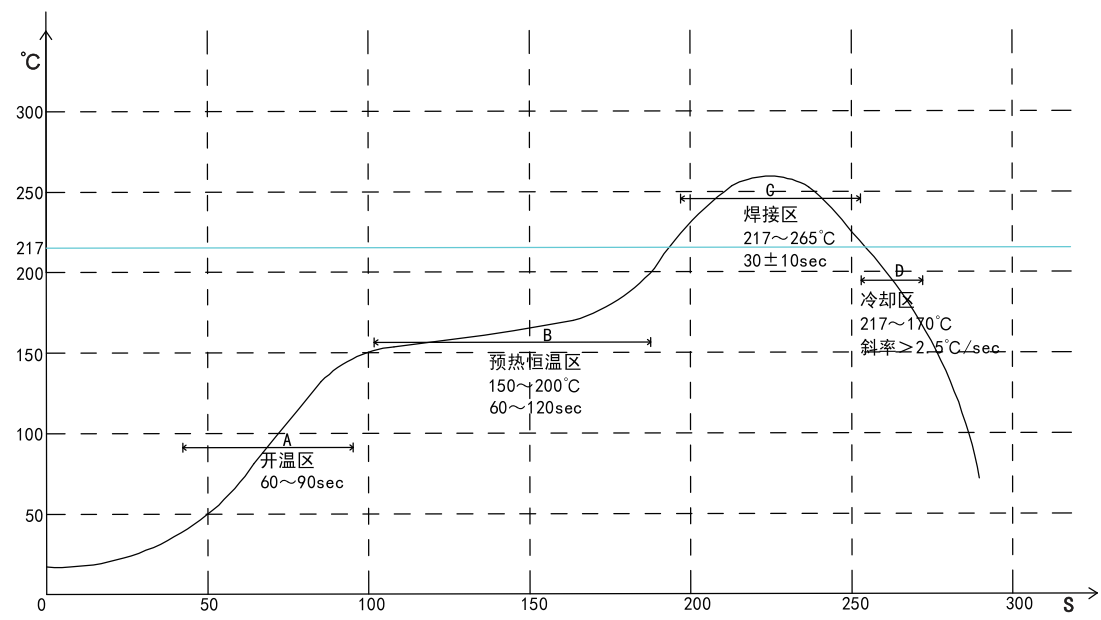
E

F

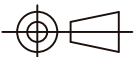
G

H

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.

|   |                                                                                                                                         |  |                                     |              |                                                                                       |                                        |                         |                               |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|--|
| A |  苏州沃虎电子科技有限公司<br>Su Zhou Voohu Electronic Tech.Co.Ltd |  | TITLE:<br>TAB-DOWN 1X1 100BASE      | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |  |
|   |                                                                                                                                         |  | PART NO.:<br>SYT111B002AA2A12DHMZ25 | SCALE<br>1:1 | REV<br>A0                                                                             | x±0.35<br>.x±0.30                      | x°±3.0°<br>.x°±2.0°     | CHECKED BY:<br>Elvis.Song     |  |
|   | TEL: +86 400 1048 018      WEB: WWW.WOHU-TEK.COM                                                                                        |  | REMARK:                             | SHEET<br>4/4 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGNED BY:<br>Sunny.Xu      |  |