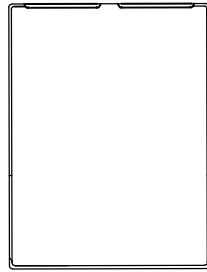
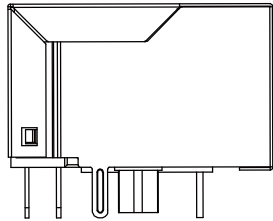


REACH & RoHS  
COMPLIANT

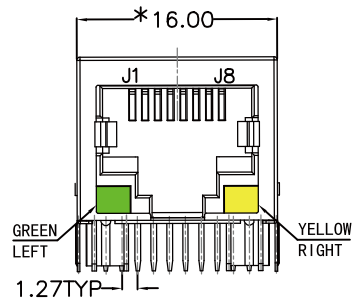
| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2017.11.13 |



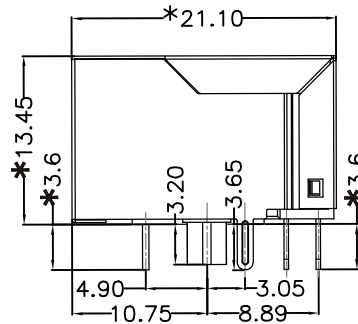
TOP VIEW



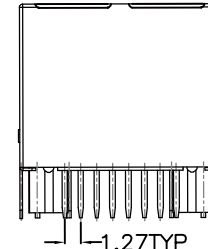
LEFT SIDE VIEW



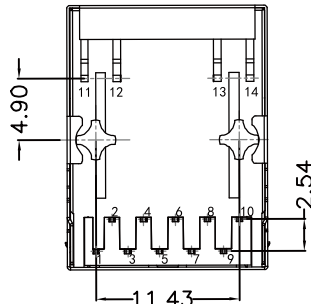
FRONT VIEW



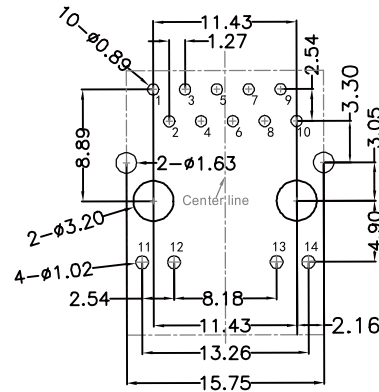
RIGHT SIDE VIEW



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 1000BASE

PART NO.:  
SYT111Q303BA2A1DFL

REMARK:

SIZE  
A4

SACLE  
1:1

SHEET  
1/4

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

DESIGND BY:  
Sunny.Xu

TEL: +86 400 1048 018

WEB: [WWW.VOOHU.CN](http://WWW.VOOHU.CN)

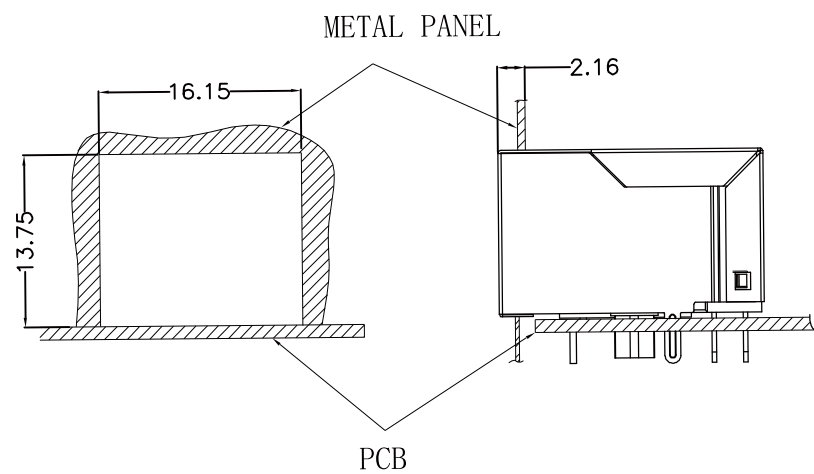
1  
2  
3  
4  
5  
6  
7  
8

REACH & RoHS  
COMPLIANT

| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2017.11.13 |

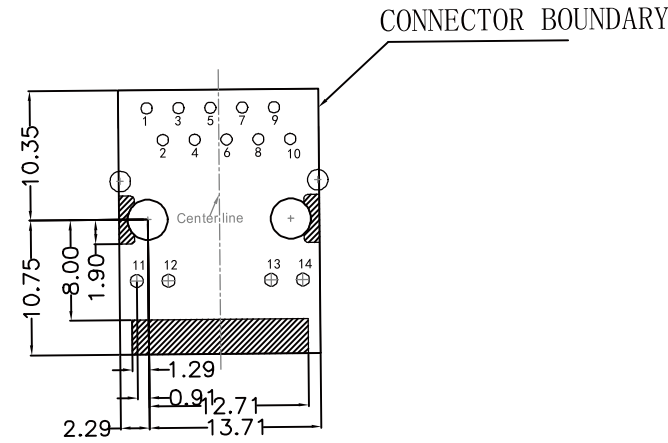
H  
G  
F  
E  
D  
C  
B  
A

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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TITLE:  
TAB-DOWN 1X1 1000BASE

PART NO.:  
SYT111Q303BA2A1DFL

REMARK:

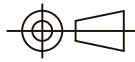
SIZE  
A4

SACLE  
1:1

SHEET  
2/4

UNITS  
MM[INCH]

REV  
A0



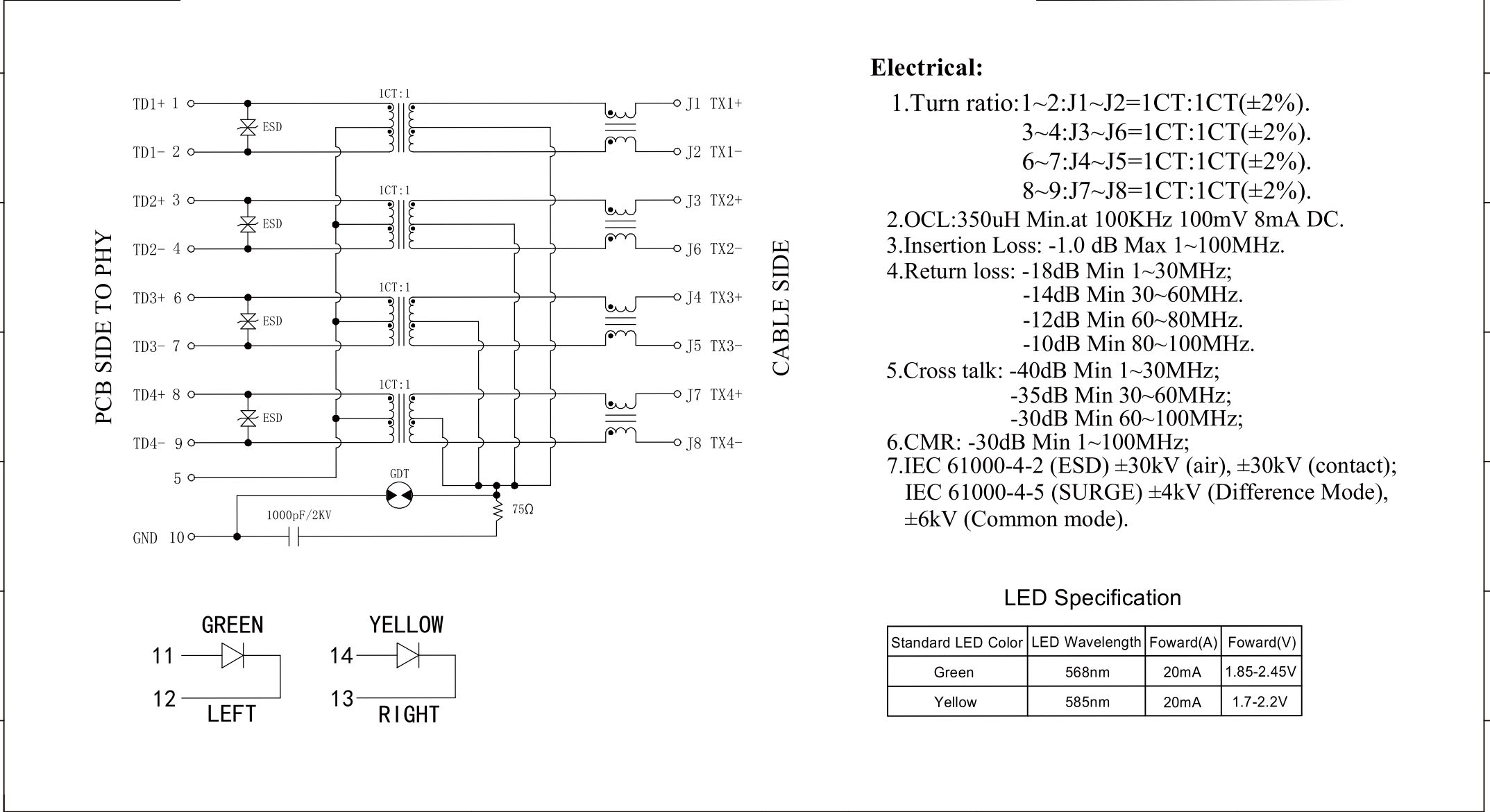
GENERAL TOLERANCES  
UNLESS SPECIFIED

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

APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu



Electrical:

- 1.Turn ratio:1~2:J1~J2=1CT:1CT(±2%).  
3~4:J3~J6=1CT:1CT(±2%).  
6~7:J4~J5=1CT:1CT(±2%).  
8~9:J7~J8=1CT:1CT(±2%).
- 2.OCL:350uH Min.at 100KHz 100mV 8mA DC.
- 3.Insertion Loss: -1.0 dB Max 1~100MHz.
- 4.Return loss: -18dB Min 1~30MHz;  
-14dB Min 30~60MHz.  
-12dB Min 60~80MHz.  
-10dB Min 80~100MHz.
- 5.Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- 6.CMR: -30dB Min 1~100MHz;
- 7.IEC 61000-4-2 (ESD) ±30kV (air), ±30kV (contact);  
IEC 61000-4-5 (SURGE) ±4kV (Difference Mode),  
±6kV (Common mode).

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

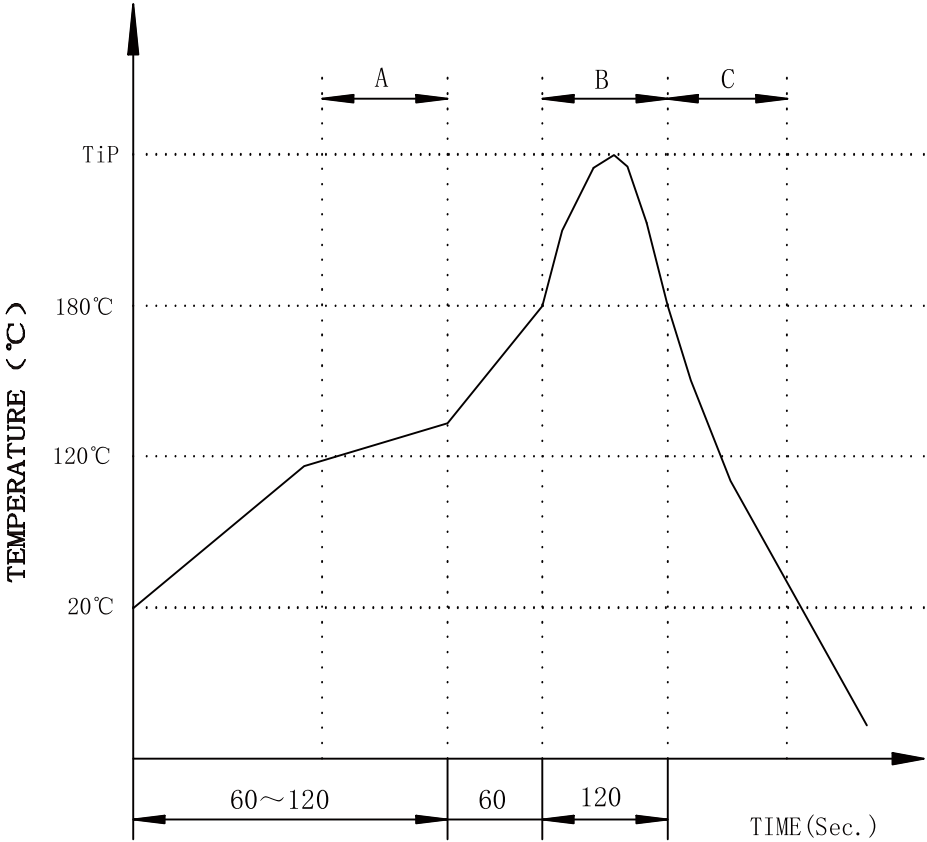
7

8

REACH & RoHS  
COMPLIANT

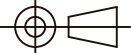
| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2017.11.13 |

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.

|                                                                                                                                         |  |                                 |              |                                                                                       |                                        |                         |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|
|  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 1000BASE | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |
|                                                                                                                                         |  | PART NO.:<br>SYT111Q303BA2A1DFL | SACLE<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.VOOHU.CN                                                                                            |  | REMARK:                         | SHEET<br>4/4 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu       |