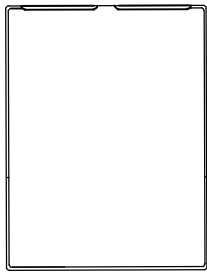


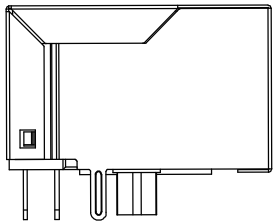
1  
2  
3  
4  
5  
6  
7  
8

REACH & RoHS  
COMPLIANT

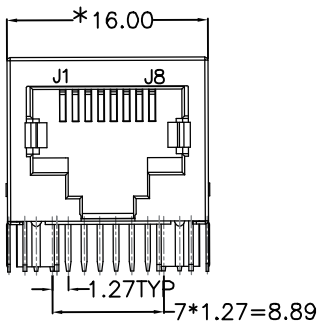
| REV. | ECN / DESCRIPTION | BY       | DATE       |
|------|-------------------|----------|------------|
| A0   | NEW               | Sunny.Xu | 2018.03.16 |



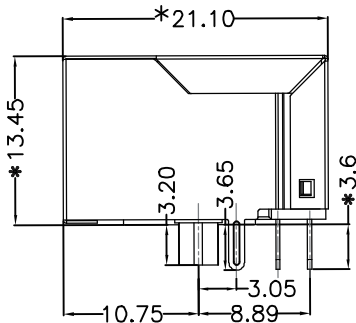
TOP VIEW



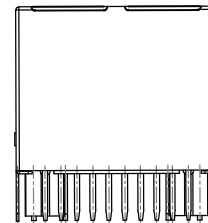
LEFT SIDE VIEW



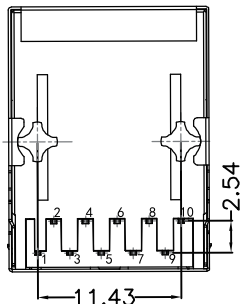
FRONT VIEW



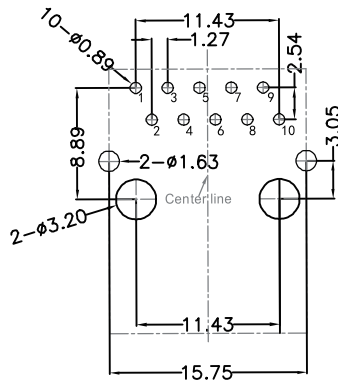
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING: PA9T,UL94V-0,BLACK.  
TERMINALS BRACKET: PBT,UL94V-0,BLACK.  
SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.  
TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
30U" GOLD PLATING ON CONTACT AREA.

**MECHANICAL:**

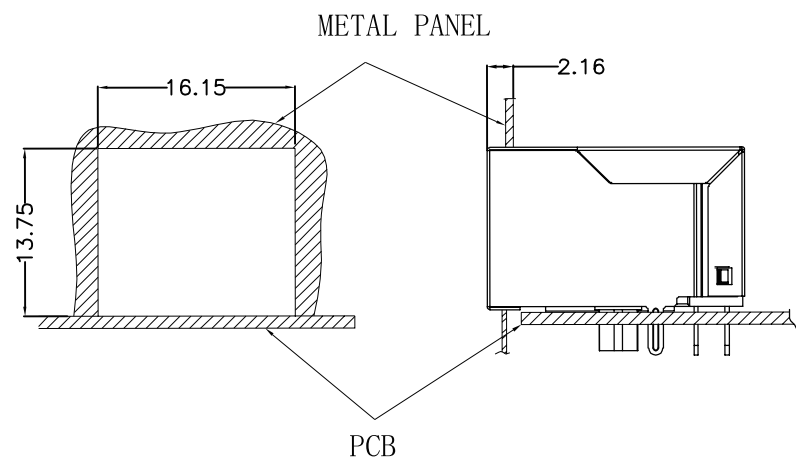
DURABILITY: 750 CYCLES MIN.  
MATING FORCE: 23N MAX.  
OPERATING TEMPERATURE: -40°C~+85°C.  
STORAGE TEMPERATURE: -40°C~+85°C.  
ALL CRITICAL DIMENSIONS WITH "\*"

|                                 |              |                                                                                       |                                        |            |                               |
|---------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|------------|-------------------------------|
| TITLE:<br>TAB-DOWN 1X1 10G      | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |            | APPROVED BY:<br>Geoffrey.Song |
| PART NO.:<br>SYT111Q594GWA21DB1 | SCALE<br>1:1 | REV<br>A0                                                                             | x±0.35                                 | x°±3.0°    | CHECKED BY:                   |
|                                 |              |                                                                                       | .x±0.30                                | .x°±2.0°   | Elvis.Song                    |
| REMARK:                         | SHEET<br>1/4 |  | .xx±0.25                               | .xx°±1.5°  | DESIGNED BY:                  |
|                                 |              |                                                                                       | .xxx±0.10                              | .xxx°±1.0° | Sunny.Xu                      |

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

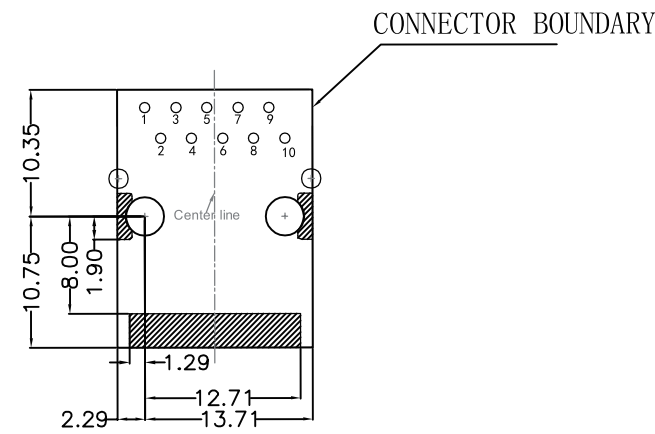
TEL: +86 400 1048 018      WEB: [WWW.WOHU-TEK.COM](http://WWW.WOHU-TEK.COM)

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY) :



UNIT: MM / INCH  
TOLERANCES: ±0.10 / 0.004  
REFERENCE ONLY

KEEP-OUT AREA (COMPONENT SIDE VIEW) :



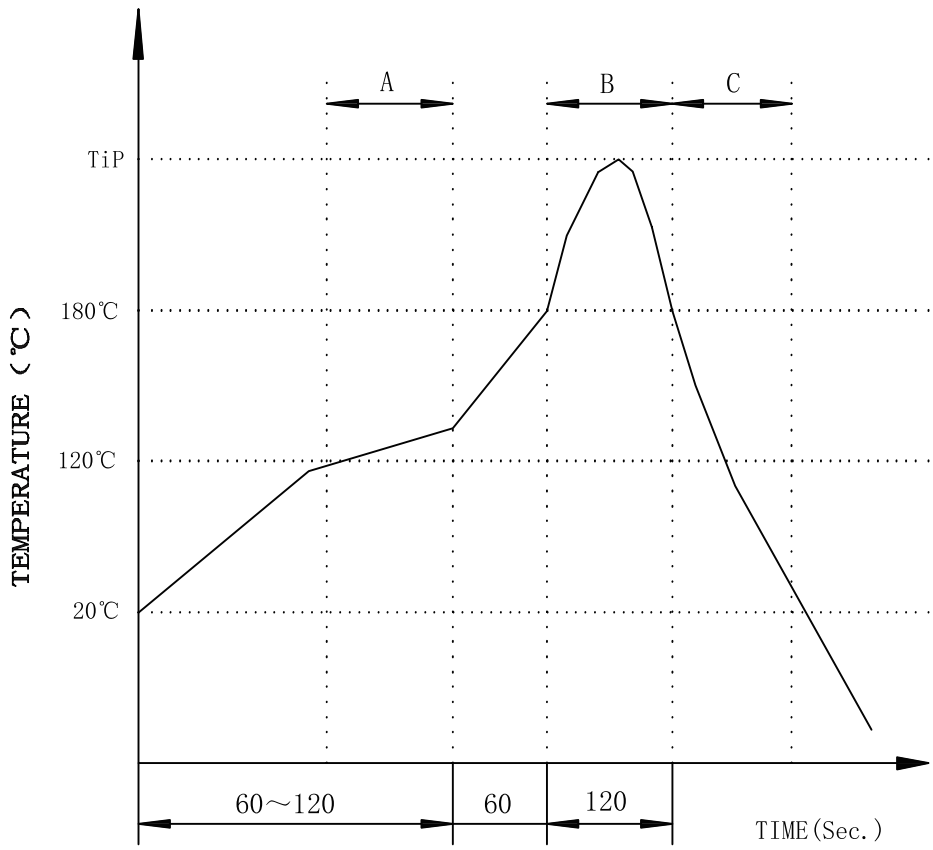
PLUG-IN SIDE

UNIT: MM / INCH  
TOLERANCES: ±0.10 / 0.004

|   |                                                                                                                                         |  |                                 |              |                                                                                       |                                        |                         |                               |  |
|---|-----------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------|-------------------------|-------------------------------|--|
| 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 10G      | SIZE<br>A4   | UNITS<br>MM[INCH]                                                                     | GENERAL TOLERANCES<br>UNLESS SPECIFIED |                         | APPROVED BY:<br>Geoffrey.Song |  |
|   |                                                                                                                                         |  | PART NO.:<br>SYT111Q594GWA21DB1 | 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>2/4 |  | .xx±0.25<br>.xxx±0.10                  | .xx°±1.5°<br>.xxx°±1.0° | DESIGNED BY:<br>Sunny.Xu      |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                       |                        |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------|---|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|------------------------|-----------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 | 3                     | 4 | 5         | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7         | 8                     |                        |                 |
| REACH & RoHS COMPLIANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |                       |   |           | REV. A0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | ECN / DESCRIPTION NEW | BY Sunny.Xu            | DATE 2018.03.16 |
| <div>PCB SIDE TO PHY</div> <div><div><div>TD1+ 1</div><div>TD1- 2</div><div>TD2+ 3</div><div>TD2- 4</div><div>TD3+ 7</div><div>TD3- 8</div><div>TD4+ 9</div><div>TD4- 10</div><div>CT 5</div><div>CT 6</div><div>SHIELD</div></div><div><div>1CT:1</div><div>1CT:1</div><div>1CT:1</div><div>1CT:1</div><div>1000pF/2KV</div></div><div><div>J1 TX1+</div><div>J2 TX1-</div><div>J3 TX2+</div><div>J6 TX2-</div><div>J4 TX3+</div><div>J5 TX3-</div><div>J7 TX4+</div><div>J8 TX4-</div><div>4*75Ω</div></div><div>CABLE SIDE</div></div> |   |                       |   |           | <b>Electrical:</b> <div>1.Turn ratio:1~2:J1~J2=1CT:1CT(±2%).<br/>3~4:J3~J6=1CT:1CT(±2%).<br/>7~8:J4~J5=1CT:1CT(±2%).<br/>9~10:J7~J8=1CT:1CT(±2%).<br/>2.OCL:160uH Min.@ 100KHz 0.1V.<br/>3.Insertion Loss: -3.0 dB MAX 100MHz<br/>-2.0 dB MAX (-1.4 dB TYP) 1~400MHz<br/>4.Return loss: -22 dB MIN 1-100 MHz<br/>-22 + 20.75*LOG (f/100) 100 MHZ-500 MHZ<br/>5.Cross talk:-28dB Min 1~100MHz;<br/>-19dB Min 100~500MHz;<br/>6.CMR: -30dB Min 1~40MHz;<br/>-28dB Min 40~100MHz;<br/>-26dB Min 100~500MHz;<br/>7.Hi-Pot: 2250V DC 6S 1mA PRI TO SEC</div> |           |                       |                        |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   |           | <div><div>VOOHU</div><div>苏州沃虎电子科技有限公司</div><div>Su Zhou Voohu Electronic Tech.Co.Ltd</div></div> <div>TITLE: TAB-DOWN 1X1 10G</div> <div>PART NO.: SYT111Q594GWA21DB1</div> <div>REMARK:</div>                                                                                                                                                                                                                                                                                                                                                         |           |                       |                        | SIZE A4         |
| TEL: +86 400 1048 018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   | WEB: WWW.WOHU-TEK.COM |   | SCALE 1:1 | REV A0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | x±0.35    | x°±3.0°               | CHECKED BY: Elvis.Song |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   | SHEET 3/4 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | .x±0.30   | .x°±2.0°              | DESIGNED BY: Sunny.Xu  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | .xx±0.25  | .xx°±1.5°             |                        |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |                       |   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | .xxx±0.10 | .xxx°±1.0°            |                        |                 |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2 | 3                     | 4 | 5         | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7         | 8                     |                        |                 |

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.