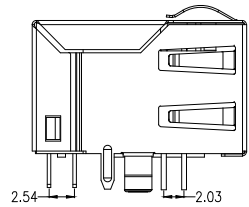
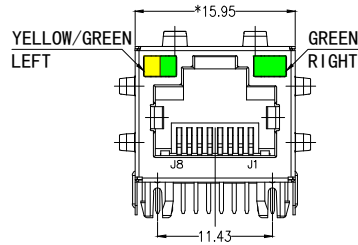


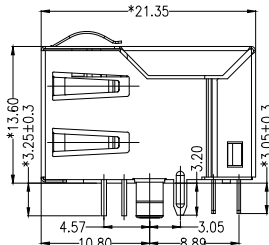
TOP VIEW



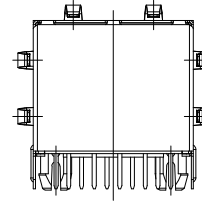
LEFT SIDE VIEW



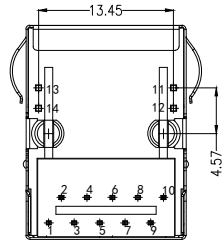
FRONT VIEW



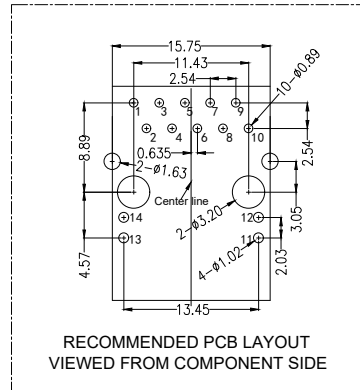
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PBT,UL94V-0,BLACK.

TERMINALS BRACKET: PBT,UL94V-0,BLACK.

SHIELD: BRASS,T=0.20MM,NICKEL PLATING ON ALL AREA.

TERMINAL: PHOSPHOR BRONZE ,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 "※"

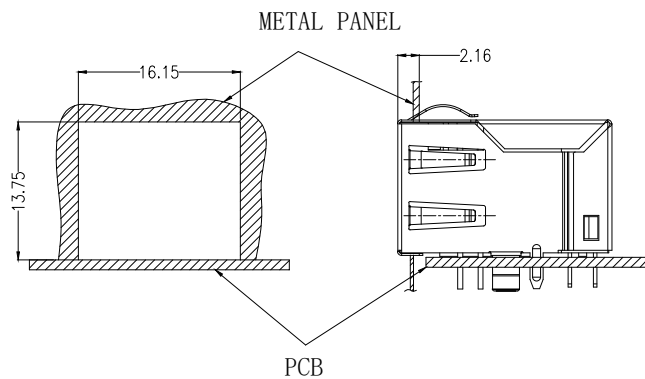
**Ordering Information**

HC 6\* \* \* \*\* A - M\*\*\* - A

Type LED Color EMI Ports  
6=卧式器件 0=无灯 6=无弹 1=4位  
6=立式器件 1=带灯 (左黄右绿) 7=等弹 01=1位  
6=立式器件 2=带灯 (左绿右黄) 8=无弹 02=2位  
6=立式器件 3=带灯 (左黄右绿) 9=无弹 03=3位  
6=带灯 (左绿右黄) 0=无弹 22=2位21  
6=带灯 (左黄右绿) 0=无弹 23=2位21  
6=带灯 (左绿右黄) 0=无弹 24=2位21  
6=带灯 (左黄右绿) 0=无弹 25=2位21  
6=带灯 (左绿右黄) 0=无弹 26=2位21  
6=带灯 (左黄右绿) 0=无弹 27=2位21  
6=带灯 (左绿右黄) 0=无弹 28=2位21  
6=带灯 (左黄右绿) 0=无弹 29=2位21

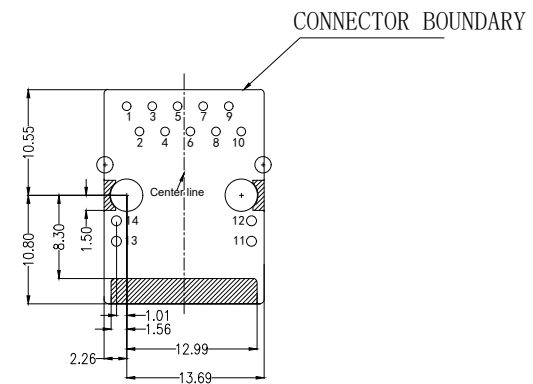
|           |                        |                   | GENERAL TOLERANCE | 制图<br>DRAWING    | 深圳市华灿天禄电子有限公司<br>ShenzhenhuacantianluELECTRONICS CO.,LTD |                                               |             |     |
|-----------|------------------------|-------------------|-------------------|------------------|----------------------------------------------------------|-----------------------------------------------|-------------|-----|
|           |                        |                   | DIM TOL           | 审核<br>CHECK      | 产品名称<br>TITLE                                            | 网络插座 (卧插 带灯带弹 左绿+黄<br>右绿 TAB-UP 1x1 1000BASE) | 版本<br>REV.  | A   |
|           |                        |                   | X. X ±0.30        | 批准<br>APPROVAL   | 产品料号<br>PART NO.                                         | HC618701A-M422-A                              | 单位<br>UNITS | mm  |
|           |                        |                   | X. XX ±0.20       | 比例<br>SCALE      |                                                          |                                               |             |     |
|           |                        |                   | X. XXX ±0.10      | 投影<br>Projection |                                                          |                                               |             |     |
| 序号<br>No. | 变更内容<br>MODIFY CONTENT | 日期<br>MODIFY DATE | Angle ±3.0°       |                  | 材料<br>MATERIAL                                           |                                               |             |     |
| 1         | 初版发行                   |                   |                   |                  |                                                          |                                               | 页次<br>SHEET | 1/4 |

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY) :



UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004  
REFERENCE ONLY

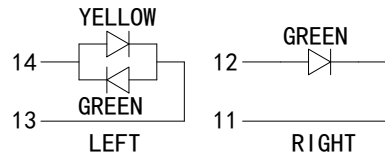
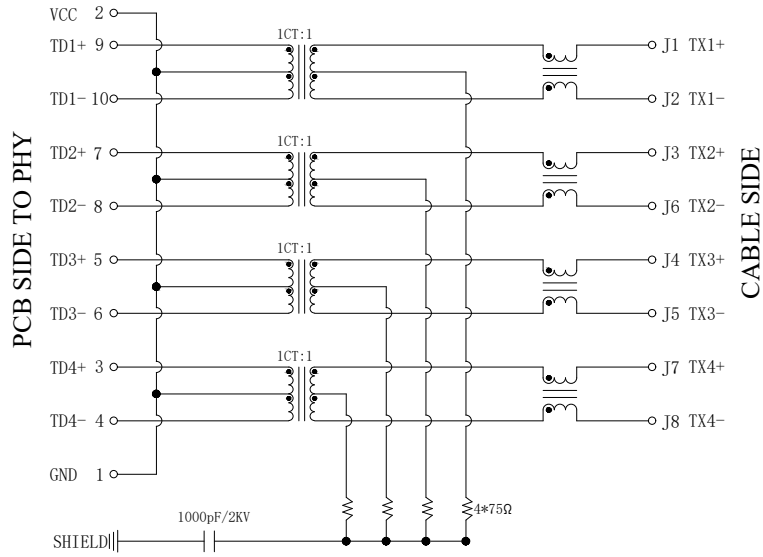
KEEP-OUT AREA (COMPONENT SIDE VIEW) :



PLUG-IN SIDE

UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10$  / 0.004

|           |                        |                   |                   |                   |                                                                                       |                                               |  |              |     |
|-----------|------------------------|-------------------|-------------------|-------------------|---------------------------------------------------------------------------------------|-----------------------------------------------|--|--------------|-----|
|           |                        |                   | GENERAL TOLERANCE | 制 图<br>DRAWING    | 深圳市华灿天禄电子有限公司<br>ShenzhenhuacantianluELECTRONICS CO.,LTD                              |                                               |  |              |     |
|           |                        |                   | DIM TOL           | 审 核<br>CHECK      |                                                                                       |                                               |  |              |     |
|           |                        |                   | X.X ±0.30         | 批 准<br>APPROVAL   | 产品名称<br>TITLE                                                                         | 网络插座 (卧插 带灯带弹 左绿+黄<br>右绿 TAB-UP 1x1 1000BASE) |  | 版 本<br>REV.  | A   |
| 1         | 初版发行                   |                   | X.XX ±0.20        | 比 例<br>SCALE      | 产品料号<br>PART NO.                                                                      | HC618701A-M422-A                              |  | 单 位<br>UNITS | mm  |
|           |                        |                   | X.XXX ±0.10       |                   |                                                                                       |                                               |  |              |     |
| 序号<br>No. | 变更内容<br>MODIFY CONTENT | 日期<br>MODIFY DATE | Angle ±3.0°       | 投 影<br>Projection |  | 材 料<br>MATERIAL                               |  | 页 次<br>SHEET | 2/4 |

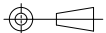


### Electrical:

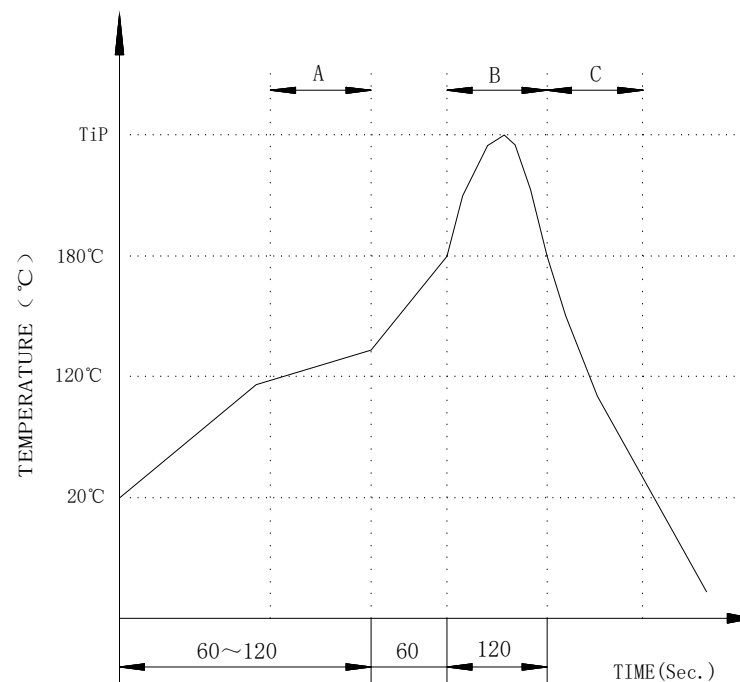
- Turn ratio: 9~10: J1~J2=1CT:1CT( $\pm 2\%$ ).  
7~8: J3~J6=1CT:1CT( $\pm 2\%$ ).  
5~6: J4~J5=1CT:1CT( $\pm 2\%$ ).  
3~4: J7~J8=1CT:1CT( $\pm 2\%$ ).
- OCL: 350uH Min.at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -18dB Min 1~30MHz;  
-14dB Min 30~60MHz.  
-12dB Min 60~80MHz.  
-10dB Min 80~100MHz.
- Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
- 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              | 568nm          | 20mA      | 1.85-2.45V |
| Yellow             | 585nm          | 20mA      | 1.7-2.2V   |

|           |                        |                   |                       |                   |                                                                                       |                                                          |                                               |              |     |
|-----------|------------------------|-------------------|-----------------------|-------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|--------------|-----|
|           |                        |                   | GENEAL TOLERANCE      | 制 图<br>DRAWING    |                                                                                       | 深圳市华灿天禄电子有限公司<br>ShenzhenhuacantianluELECTRONICS CO.,LTD |                                               |              |     |
|           |                        |                   | DIM TOL               | 审 核<br>CHECK      |                                                                                       | 产品名称<br>TITLE                                            | 网络插座 (卧插 带灯带弹 左绿+黄<br>右绿 TAB-UP 1x1 1000BASE) | 版 本<br>REV.  | A   |
|           |                        |                   | X. X $\pm 0.30$       | 批 准<br>APPROVAL   |                                                                                       | 产品料号<br>PART NO.                                         | HC618701A-M422-A                              | 单 位<br>UNITS | mm  |
| 1         | 初版发行                   |                   | X. XX $\pm 0.20$      | 比 例<br>SCALE      |                                                                                       | 材 料<br>MATERIAL                                          |                                               | 页 次<br>SHEET | 3/4 |
| 序号<br>No. | 变更内容<br>MODIFY CONTENT | 日期<br>MODIFY DATE | Angle $\pm 3.0^\circ$ | 投 影<br>Projection |  |                                                          |                                               |              |     |

# 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.

|           |                        |                   |                   |                   |                                                          |                                               |              |     |
|-----------|------------------------|-------------------|-------------------|-------------------|----------------------------------------------------------|-----------------------------------------------|--------------|-----|
|           |                        |                   | GENE RL TOLERANCE | 制 图<br>DRAWING    | 深圳市华灿天禄电子有限公司<br>ShenzhenhuacantianluELECTRONICS CO.,LTD |                                               |              |     |
|           |                        |                   | DIM TOL           | 审 核<br>CHECK      |                                                          |                                               |              |     |
|           |                        |                   | X. X ±0.30        | 批 准<br>APPROVAL   | 产品名称<br>TITLE                                            | 网络插座 (圆插 带灯带弹 左绿+黄<br>右绿 TAB-UP 1x1 1000BASE) | 版 本<br>REV.  | A   |
| 1         | 初版发行                   |                   | X. XX ±0.20       | 比 例<br>SCALE      | 产品料号<br>PART NO.                                         | HC618701A-M422-A                              | 单 位<br>UNITS | mm  |
| 序号<br>No. | 变更内容<br>MODIFY CONTENT | 日期<br>MODIFY DATE | Angle ±3.0°       | 投 影<br>Projection | 材料<br>MATERIAL                                           |                                               | 页 次<br>SHEET | 4/4 |