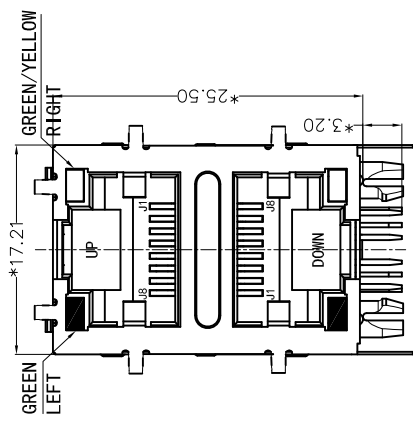


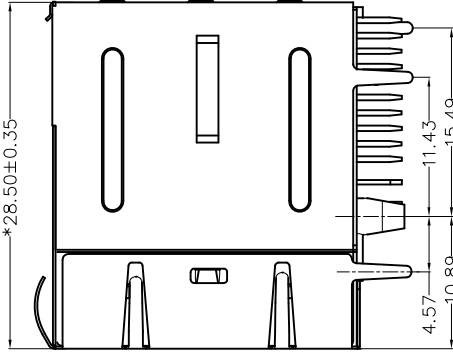
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

REACH & RoHS COMPLIANT

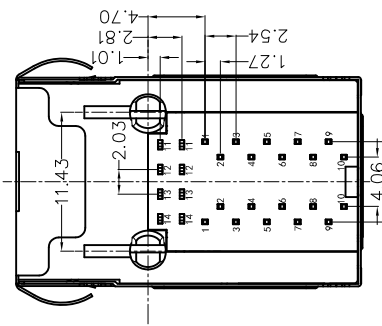
| | | | |
|------|-------------------|-------|------------|
| REV. | ECN / DESCRIPTION | BY | DATE |
| A0 | NEW | MQ.Qu | 2018.01.05 |



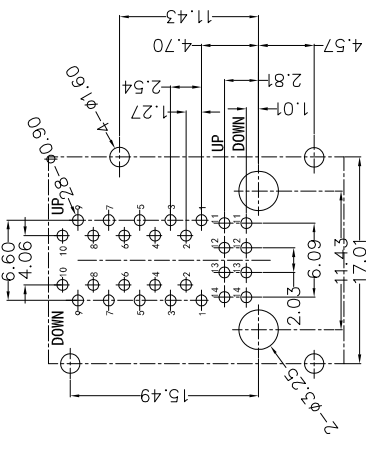
FRONT VIEW



RIGHT SIDE 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: 30N MAX.
 OPERATING TEMPERATURE: 0°C~+70°C.
 STORAGE TEMPERATURE: -40°C~+85°C.
 ALL CRITICAL DIMENSIONS WITH "**"

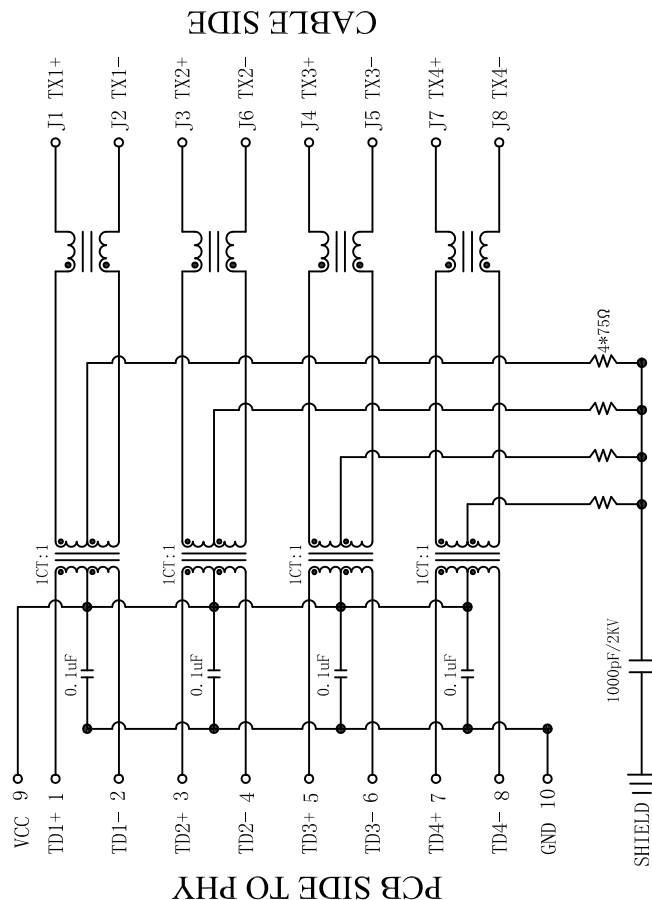
| | | | | | | | |
|------------------|-------------------|--------------|-----|--------------|----------|--|---------------------|
| TITLE: | RJ45 2X1 1000BASE | SIZE | A4 | UNITS | MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | APPROVED BY: |
| PART NO.: | FC-2013GGYGGYN | SACLE | 1:1 | REV | A0 | x±0.35 | JP.Gong |
| REMARK: | | SHEET | 1/3 | | | x°±3.0° | CHECKED BY: |
| | | | | | | .x°±2.0° | TW.Xu |
| | | | | | | .xx±0.25 | DESIGN BY: |
| | | | | | | .xxx±0.10 | MQ.Qu |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

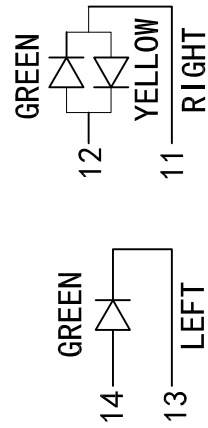
| | | | |
|------|-------------------|-------|------------|
| REV. | ECN / DESCRIPTION | BY | DATE |
| A0 | NEW | MQ.Qu | 2018.01.05 |

REACH & RoHS COMPLIANT



Electrical:

- Turn ratio: 1~2: J1~J2=1CT:1CT(±2%),
3~4: J3~J6=1CT:1CT(±2%),
5~6: J4~J5=1CT:1CT(±2%),
7~8: J7~J8=1CT:1CT(±2%).
- OCL: 350uH Min.at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -20dB Min 1~10MHz;
-16dB Min 10~30MHz;
-12dB Min 30~60MHz;
-10dB Min 60~80MHz.
- Cross talk: -40dB Min 1~30MHz;
-35dB Min 30~60MHz;
-30dB Min 60~100MHz;
- CMR: -35dB Min 1~100MHz;
- Hi-Pot: 1500V AC & 2250V DC
6S 1mA PRI TO SEC



LED Specification

| Standard LED Color | LED Wavelength | Forward(A) | Forward(V) |
|--------------------|----------------|------------|------------|
| Green | 568nm | 20mA | 1.8-2.8V |
| Yellow | 585nm | 20mA | 1.8-2.8V |

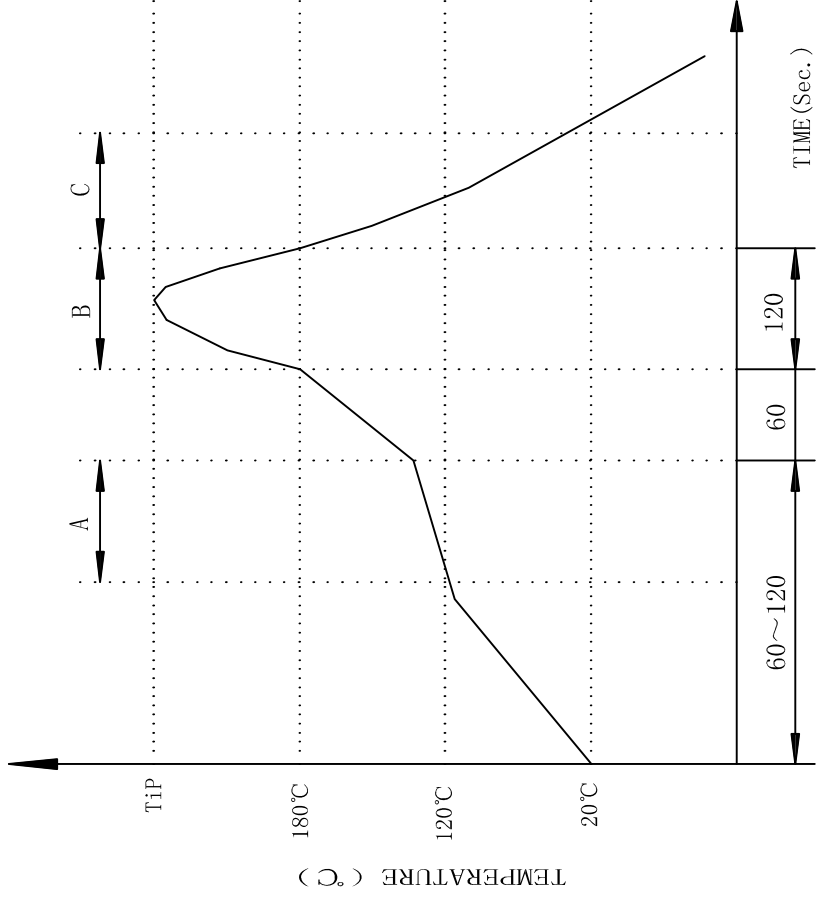
| | | | | | |
|-----------------------------|--|--------------|-------------------|--|-------------------------|
| TITLE: RJ45 2X1 1000BASE | | SIZE A4 | UNITS MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | APPROVED BY: JP.Gong |
| PART NO.: FC-2013GGYGGYN | | SACLE 1:1 | REV A0 | x±0.35 .x±0.30 | CHECKED BY: TW.Xu |
| REMARK: | | SHEET 2/3 | | .xx±0.25 .xxx±0.10 | DESIGND BY: MQ.Qu |

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REACH & RoHS COMPLIANT

PROFILE OF WAVE SOLDER

| | | | |
|------|-------------------|-------|------------|
| REV. | ECN / DESCRIPTION | BY | DATE |
| A0 | NEW | MQ.Qu | 2018.01.05 |



A. Preheating B. Soldering C. Gradual Cooling
 Tip temperature: $260 \pm 5^\circ\text{C}$.
 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 POB will be slightly melted, but it won't affect its function.

| | | | | | |
|------------------------------------|--|---------------------|--------------------------|---|--------------------------------|
| TITLE: RJ45 2X1 1000BASE | | SIZE A4 | UNITS MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | APPROVED BY: JP.Gong |
| PART NO.: FC-2013GGYGGYN | | SACLE 1:1 | REV A0 | x \pm 0.35 x \pm 0.30 .xx \pm 0.25 .xxx \pm 0.10 | CHECKED BY: TW.Xu |
| REMARK: | | SHEET 3/3 | | .xx \pm 1.5° .xxx \pm 1.0° | DESIGN BY: MQ.Qu |

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