1. Electrical Specifications:@25℃

1.1. Isolation Voltage: 1500V/AC(Input to Output)

1.2. OCL:350uH Minimum @100KHz 100mV 8mA DC

1.3. Instertion Loss: -1.0 dB Maximum @100KHz-100MHz

1.4. Return Loss: -18dB Minimum @1MHz-30MHz
-14dB Minimum @30MHz-60MHz
-12dB Minimum @60MHz-80MHz

1.5. Common Mode Rejection: -30dB Minimum @1MHz-100MHz

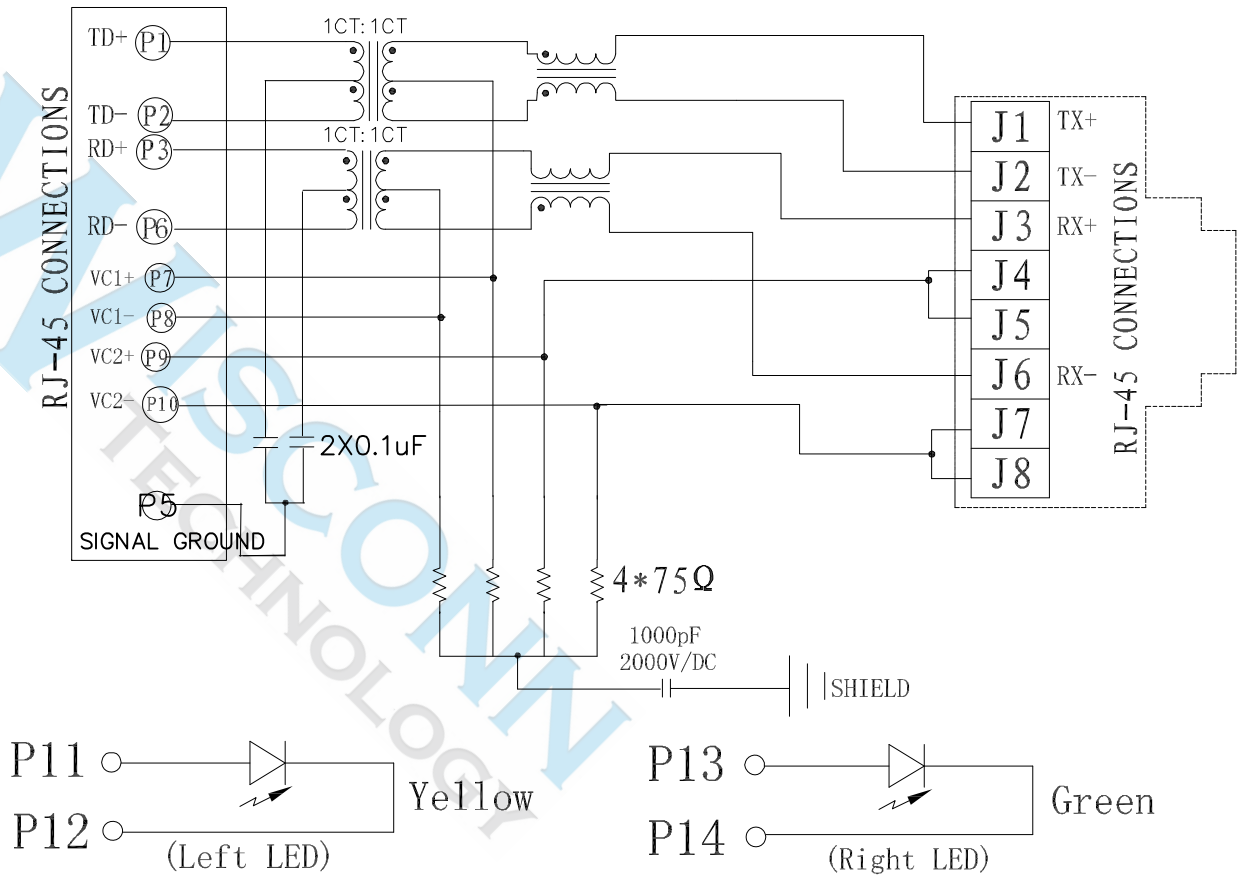
1.6. Cross Talk: -30dB Minimum @1MHz-100MHz

2. Operating and Storage Temperature:

2.1. Operating Temperature:-40℃ to +85℃

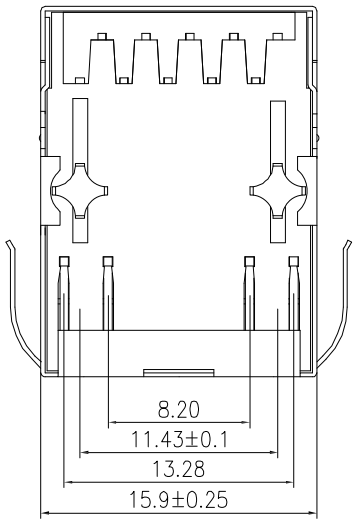
2.1. Storage Temperature:-40℃ to +85℃

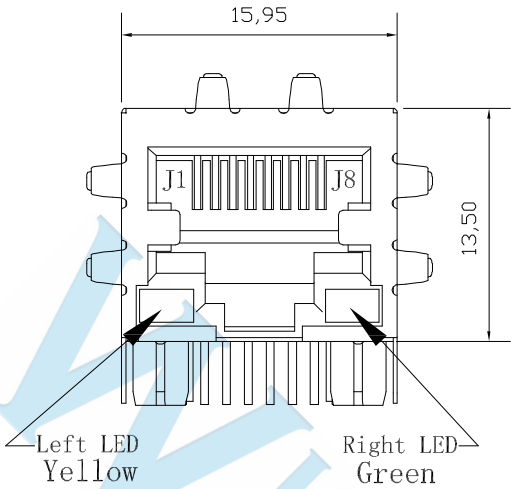
3. Schematics:

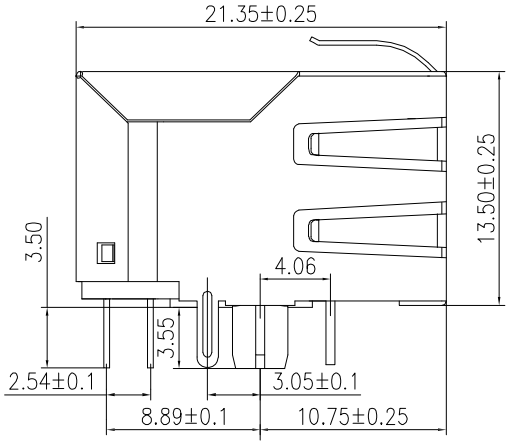


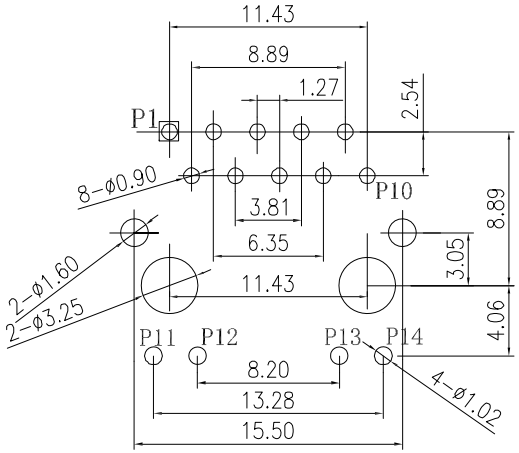

WISCONN TECHNOLOGY

| DIMENSIONS TOLERANCE METRIC | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Up to 5 ±0.2 | UNITS | MM | FINISH | SEE NOTE | CH'K | Calvin | DRAW NAME RJ45 1x1 POE VC+ 10/100 EMI Tab Down LED:Y/G L:21.35m 3.05mm | | WISCONN Technology Co.,Ltd | | | |
| Above 5~15 ±0.3 | QT'Y | N/A | DRAW | Johnson | APP'D | Selena | PART NUMBER | WRJ-1104D10194T | Tel:+886-2-2790-1979 Fax:+886-2-2790-1569 | | | |
| Above 15~30 ±0.4 | | | | | | | DRAW NUMBER | C006 | SCALE 1/1 | SIZE A4 | SHEET 1 | REV. A |
| Above 30~50 ±0.5 | MT'L | SEE NOTE | DE'N | Mike | DATE | JAN.19.2018 | FILE NAME .DWG | | | | | |
| Angle ±0.3° | | | | | | | | | | | | |




P.C.B RECOMMENDED HOLE LAYOUT SEEEN FROM COMPONENT SIDE.

ALL CENTERLINE DIMENSIONS ARE BASIC

## LED Specification

| Standard LED Color | LED Wavelength | Forward (V MAX) | Typical (V TYP) | Luminous Intensity |
|---|---|---|---|---|
| Green | 560-580 nm | 2.5V | 2.1-2.2V | 9-25 MCD |
| Yellow | 580-610 nm | 2.5V | 2.1-2.2V | 9-30 MCD |
| Orange | 580-610 nm | 2.5V | 2.1-2.2V | 50-100 MCD |

1. LED intensity/wavelength measured with Photo Research PR-650 Colormeter
2. With a forward current of 20 mA, Absolute Maximum Ratings (Ta=25℃)

4.1. Connector Material:
Houising:Thermoplastic UL94 V-0
Contact/Shield:Cooper alloy
Shield Plating:Nickel
Contact Plating:Selective gold 6u"; 15u"; 30u"; 50u"Min

4.2. Tolerances comply with F.C.C dimension requirements

4.3. Durability:800 mating Min

4.4. Meets or Exceeds IEEE802.3af standards including 350uH Min OCL @100KHz 100mV 8mA DC

WISCONN TECHNOLOGY

| DIMENSIONS TOLERANCE METRIC | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Up to 5 ±0.2<br>Above 5~15 ±0.3<br>Above 15~30 ±0.4<br>Above 30~50 ±0.5<br>Angle ±0.3° | UNITS | MM | FINISH | SEE NOTE | CH'K | Calvin | DRAW NAME<br>RJ45 1x1 POE VC+ 10/100 EMI Tab Down LED:Y/G L:21.35m 3.05mm | | WISCONN Technology Co.,Ltd<br>Tel:+886-2-2790-1979 Fax:+886-2-2790-1569 | | | | | | |
| | QT'Y | N/A | DRAW | Johnson | APP'D | Selena | PART NUMBER | WRJ-1104D10194T | | | | | | |
| | MT'L | SEE NOTE | DE'N | Mike | DATE | JAN.19.2018 | DRAW NUMBER | C006 | SCALE | 1/1 | SIZE | A4 | SHEET | 1 | REV. | A |
| | | | | | | | FILE NAME .DWG | | | | | | | | | |