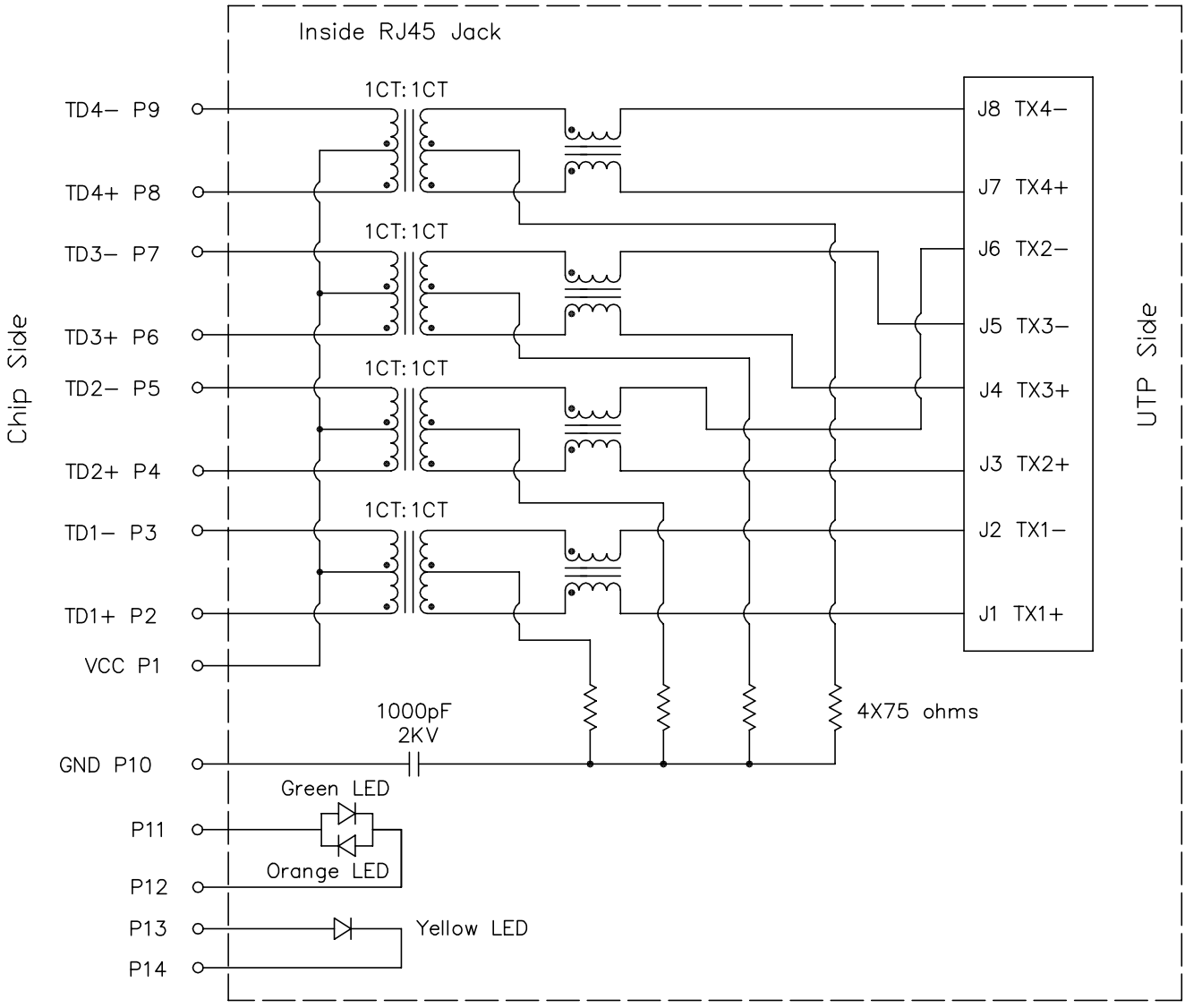
HanRun®
Electronics Company Limited

HR911297CE

Electrical Specification @25°C

RoHS Compliant (PB Free)
Isolation: 2250VDC 0.5mA 60sec (UTP Side to Chip Side)
OCL: 350uH Minimum @100KHz 100mV with 8mADC
Insertion Loss: −1.0dB Maximum @1MHz ~ 100MHz
Return Loss: −18dB Minimum @1MHz ~ 30MHz / −13.5dB Minimum @30MHz ~ 60MHz
−12dB Minimum @60MHz ~ 80MHz / −10dB Minimum @80MHz ~ 100MHz
Common Mode Rejection: −30dB Minimum @1MHz ~ 100MHz
Crosstalk: −30dB Minimum @1MHz ~ 60MHz / −26dB Minimum @60MHz ~ 100MHz

Schematics

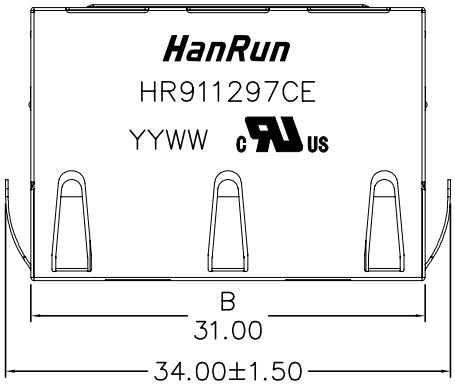


Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China
Tel:(021)64128995 https://Ljq.hqelec.com

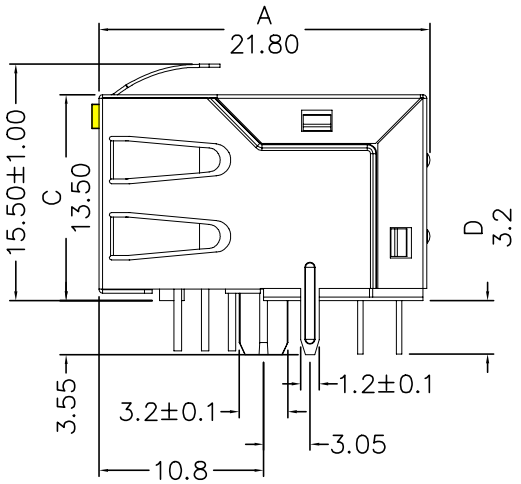
HR911297CE

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3ab standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to be placed on PCB, higher reliability and yields
- UL Recognized Component: File # E330599

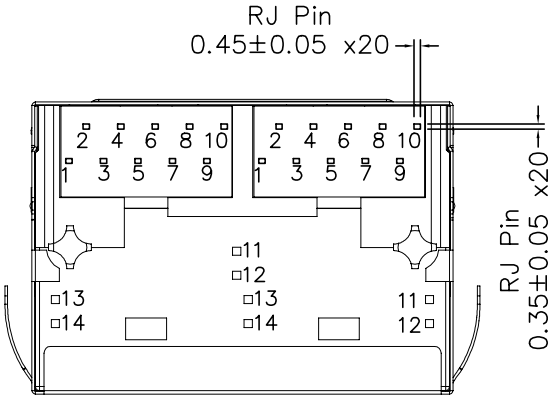
Mechanical Dimensions:



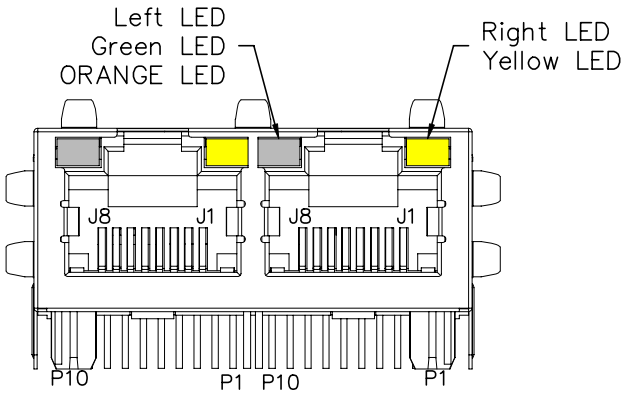
(Top View)



(Side View)



(Bottom View)



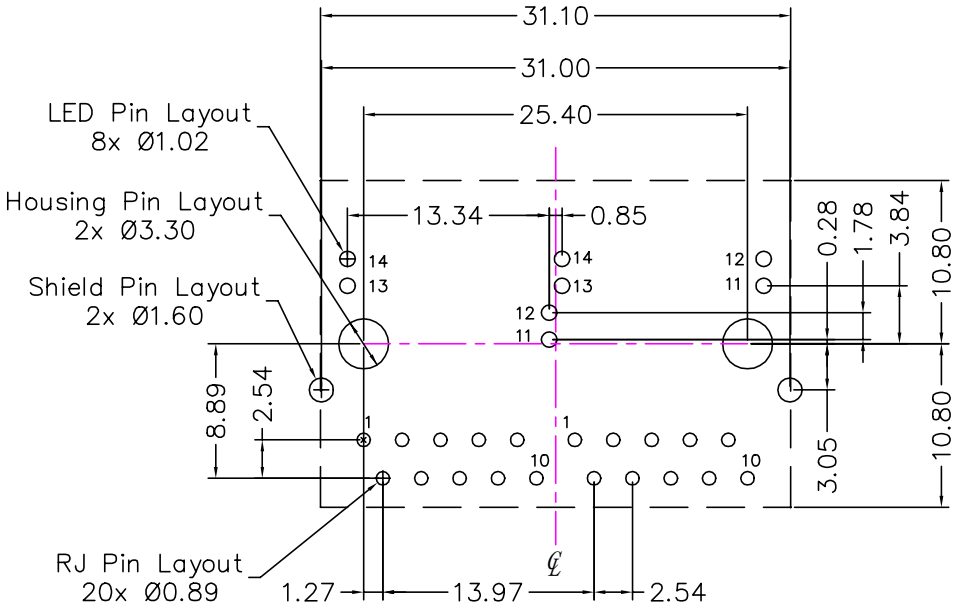
(Front View)

Standard LED	Wavelength	Forward V (Min/Max)	Forward A
Green/Orange	568nm/600nm	1.8V/2.8V	20mA
Yellow	585nm	1.8V/2.8V	20mA

Dimensions in mm
Unless otherwise specified, Tolerance: .xx ±0.25
REV.: 00

Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China
Tel:(021)64128995 https://Ljq.hqelec.com

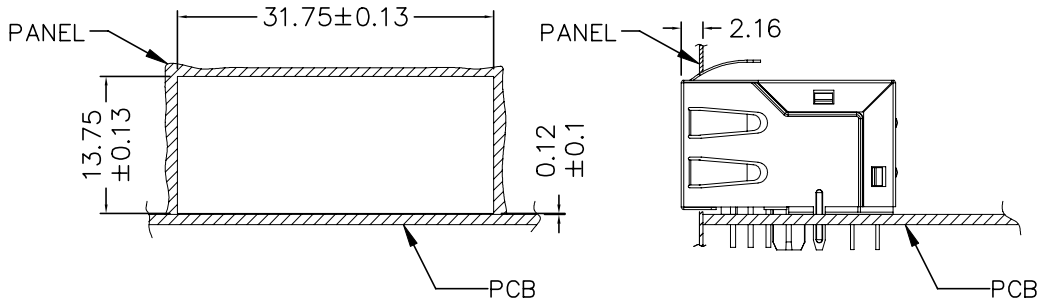
PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are ±0.08 unless otherwise specified

Suggested Panel Cutout:



SUGGESTED PANEL OPENING

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 00

Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China
Tel:(021)64128995 https://Ljq.hqelec.com

HR911297CE

Material Specification:

Housing: PA66 GF Black UL94V-0
Shield: 30u" Nickel over 0.20mm Thickness Brass
Insert: PA66 GF Black UL94V-0
Phosphor Bronze 0.35mm Thickness
Plating Area, 30u" gold over 50u" nickel
Solder Area, 100u" tin over 50u" nickel

Mechanical Performance:

Mating force: 5 lbs Maximum
Unmating force: 5 lbs Maximum
Plug to Jack Retention force: 12 lbs Minimum
Operating life: 750 Cycles Minimum

Operating and Storage Temperature:

Operating Temperature Range: -40℃ ~ +85℃
Storage Temperature Range: -40℃ ~ +85℃

Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China
Tel:(021)64128995 https://Ljq.hqelec.com