

HR971169C

Electrical Specification @25°C

RoHS Compliant (PB Free)

Operating Temperature Range: 0°C ~ +70°C

Isolation: 2250VDC 0.5mA 60Sec (J1~8 to P1~5)

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

DCR: J1-2,J3-6=1.2 Ohms Maximum ; Pin1-3,Pin4-5=1.4 Ohms Maximum

Insertion Loss: -1.0dB Maximum @300KHz ~ 100MHz

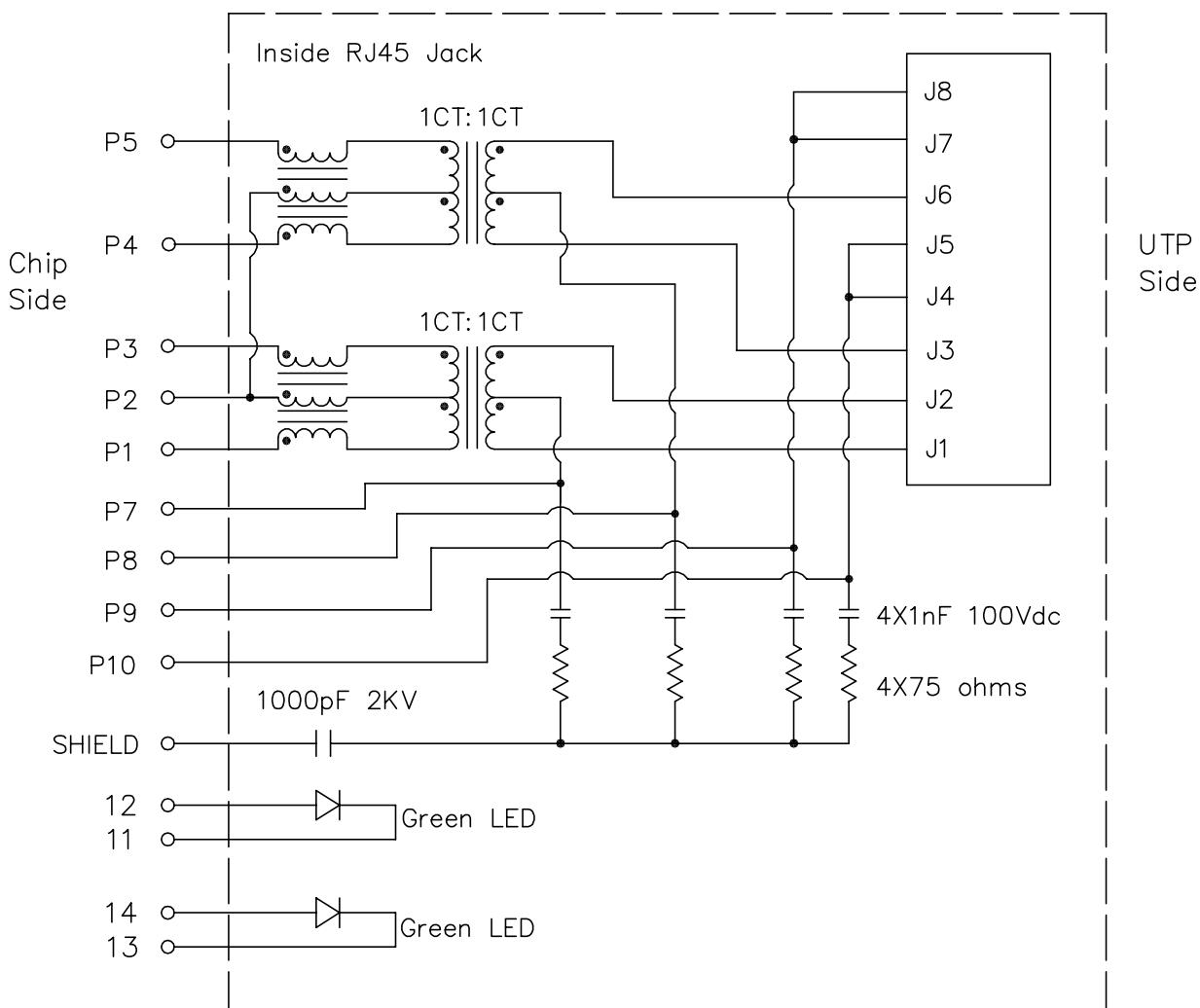
Return Loss: -18dB Minimum @1MHz ~ 30MHz /-13.5dB Minimum @30MHz ~ 60MHz
-12dB Minimum @60MHz ~ 80MHz /-10dB Minimum @10MHz ~ 100MHz

Crosstalk: -30dB Minimum @1MHz ~ 100MHz

Designed To Support 57VDC, 350mA per centre tap

(17.5W when using 2 centre taps; 35W when using 4 centre taps)

Schematics



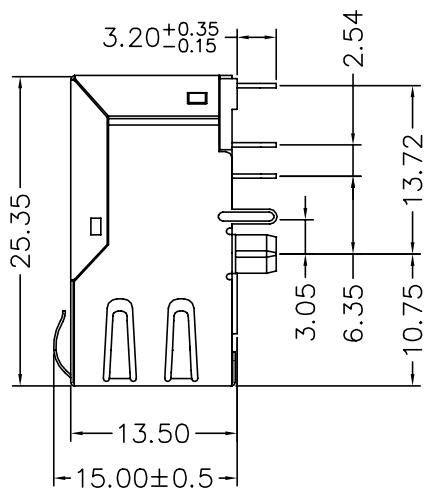
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- RoHS Compliant (Pb Free)
- UL Recognized Component: File # E330599
- Designed for Network Interface Card Application
- Meets or Exceeds IEEE802.3af standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 1500Vrms isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to place on PCB, Higher reliability and yields

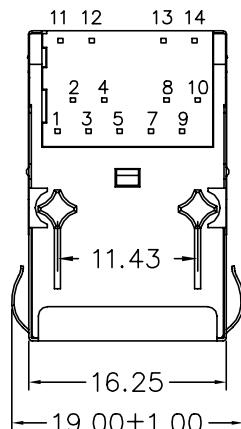
Mechanical Dimensions:



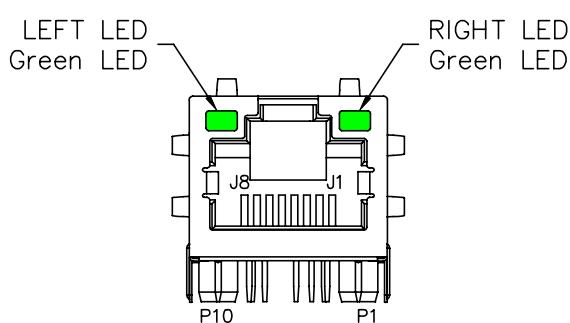
(Top View)



(Side View)



(Bottom View)



(Front View)

Remark:

1. Remove Pin#6

Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: B/1

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Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,

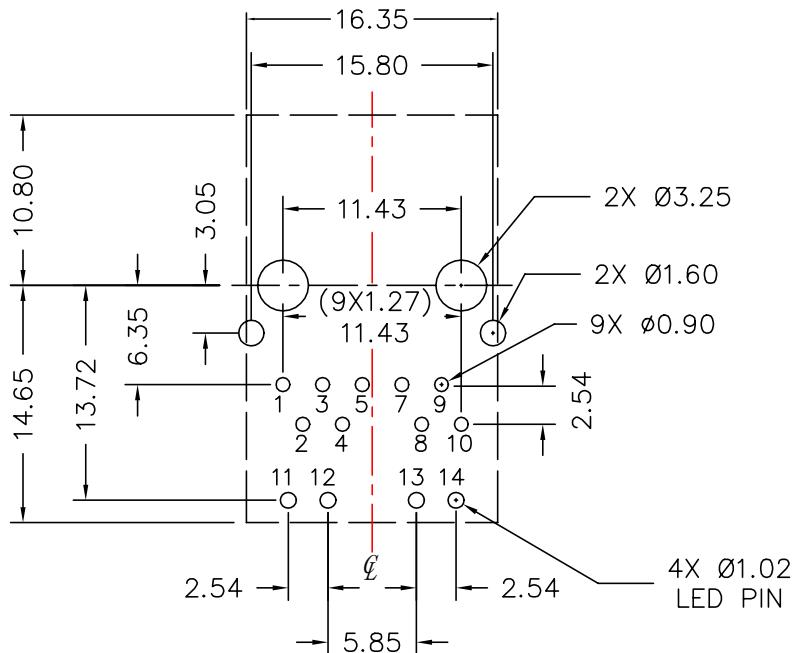
Zhongshan City, Guangdong Province, China

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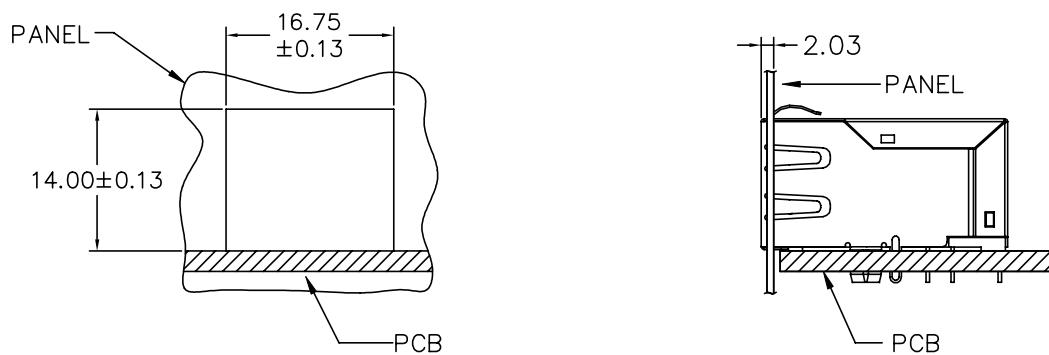
PCB Layout:



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.: B/1

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Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town.

16, Industrial Road Central, Industrial Zone, No. 16, Zhongshan City, Guangdong Province, China.

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Material Specification:

Housing: PA66 Black UL94V-0
Shield: 30u" Nickel over 0.20mm Thickness Brass
Insert: PA66 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: 0°C ~ +70°C
Storage Temperature Range: -40°C ~ +85°C