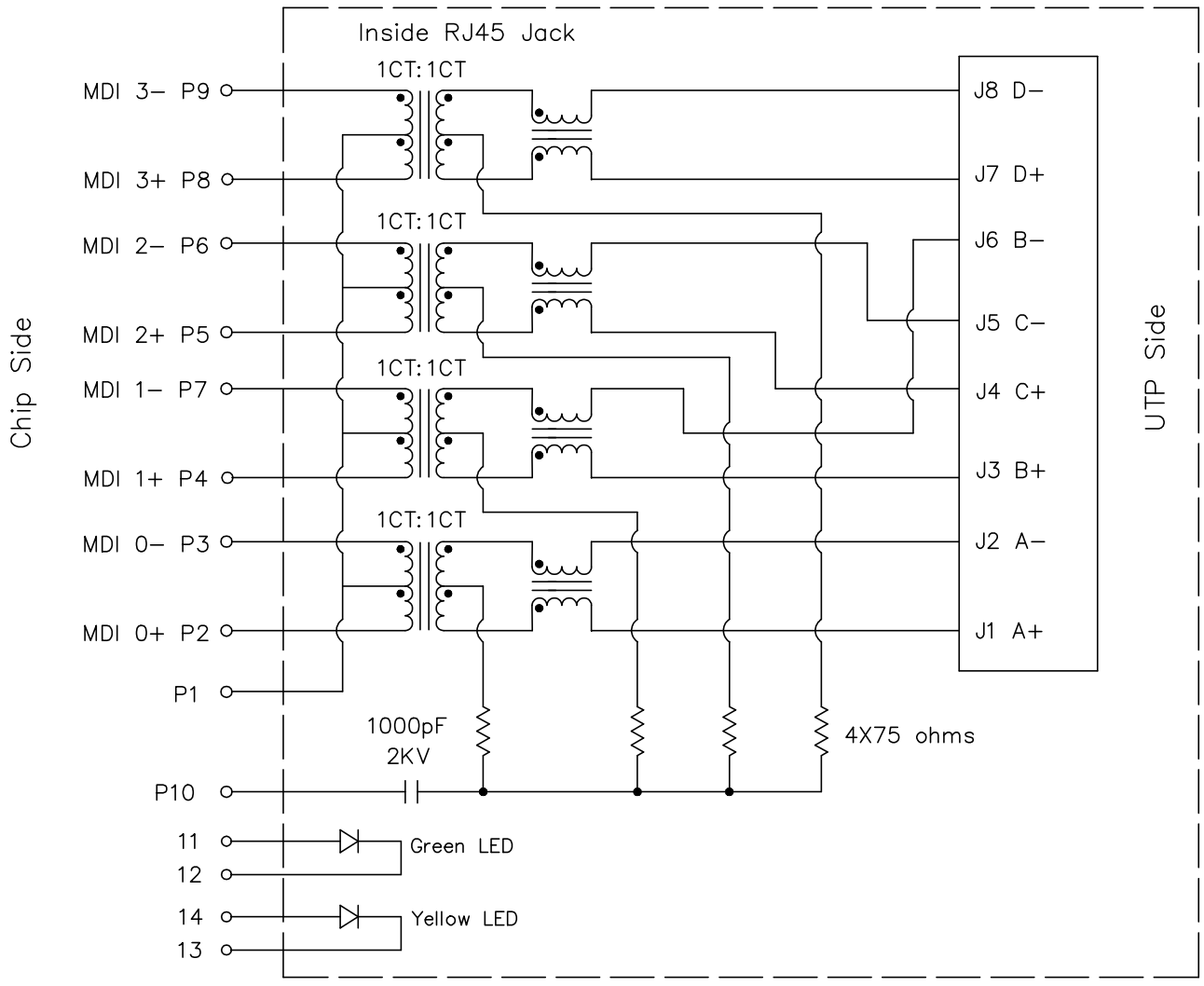
HR911130A

Electrical Specification @25°C

Isolation: 2250VDC 0.5mA 60sec (UTP Side to Chip Side)
OCL: 350uH Minimum @100KHz 100mV with 8mADC
Insertion Loss: −1.0dB Maximum @100KHz ~ 60MHz
−1.1dB Maximum @60MHz ~ 100MHz
Return Loss: −18dB Minimum @0.3MHz ~ 30MHz / −14dB Minimum @40MHz ~ 60MHz
−12dB Minimum @80MHz ~ 100MHz
Common Mode Rejection: −40dB Minimum @1MHz ~ 60MHz
−35dB Minimum @60MHz ~ 100MHz
Crosstalk: −35dB Minimum @1MHz ~ 10MHz / −26dB Minimum @15MHz ~ 60MHz
−24dB Minimum @60MHz ~ 100MHz

Schematics



Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China
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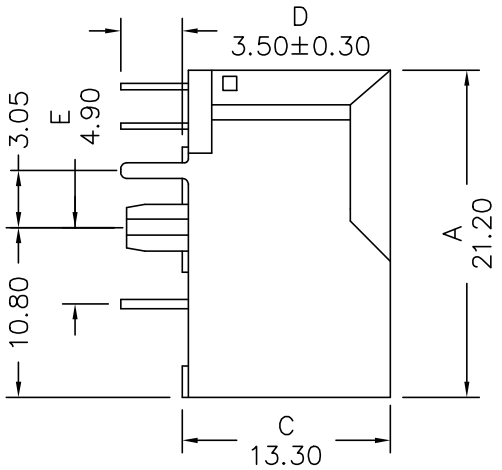
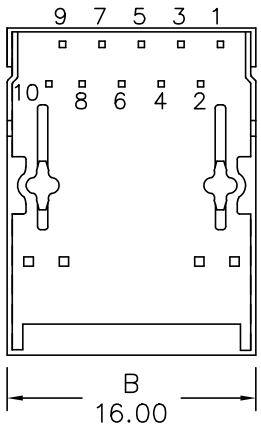
- Meets or Exceeds IEEE802.3ab standards for 1000Base-T
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to place on PCB, Higher reliability and yields

Mechanical Dimensions:

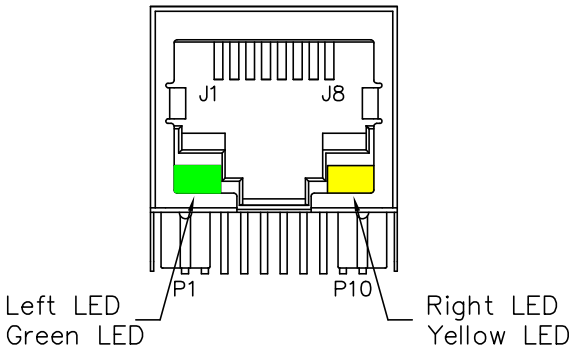
(Top View)



(Side View)



(Bottom View)



(Front View)

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

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

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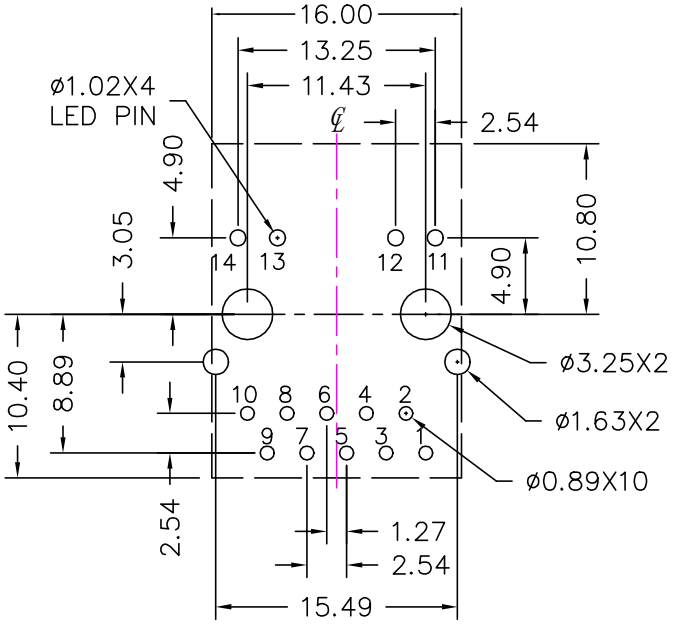
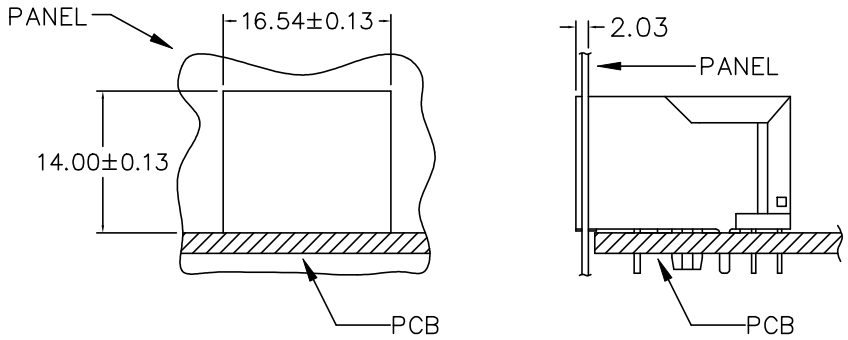
PCB Layout:



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

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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: 0°C ~ +70°C
Storage Temperature Range: -40°C ~ +85°C

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