

H90330301E

Electrical Specification @25°C

RoHS Compliant

Isolation: 2250VDC 0.5mA 60S (UTP Side to Chip Side)

OCL: 180uH Minimum @100KHz 100mV with 8mADC

Insertion Loss: -1.0dB Maximum @300KHz ~ 100MHz / -1.25 Maximum @100MHz ~ 250MHz

Return Loss: -20dB Minimum @1MHz ~ 40MHz / -18dB Minimum @40MHz ~ 60MHz

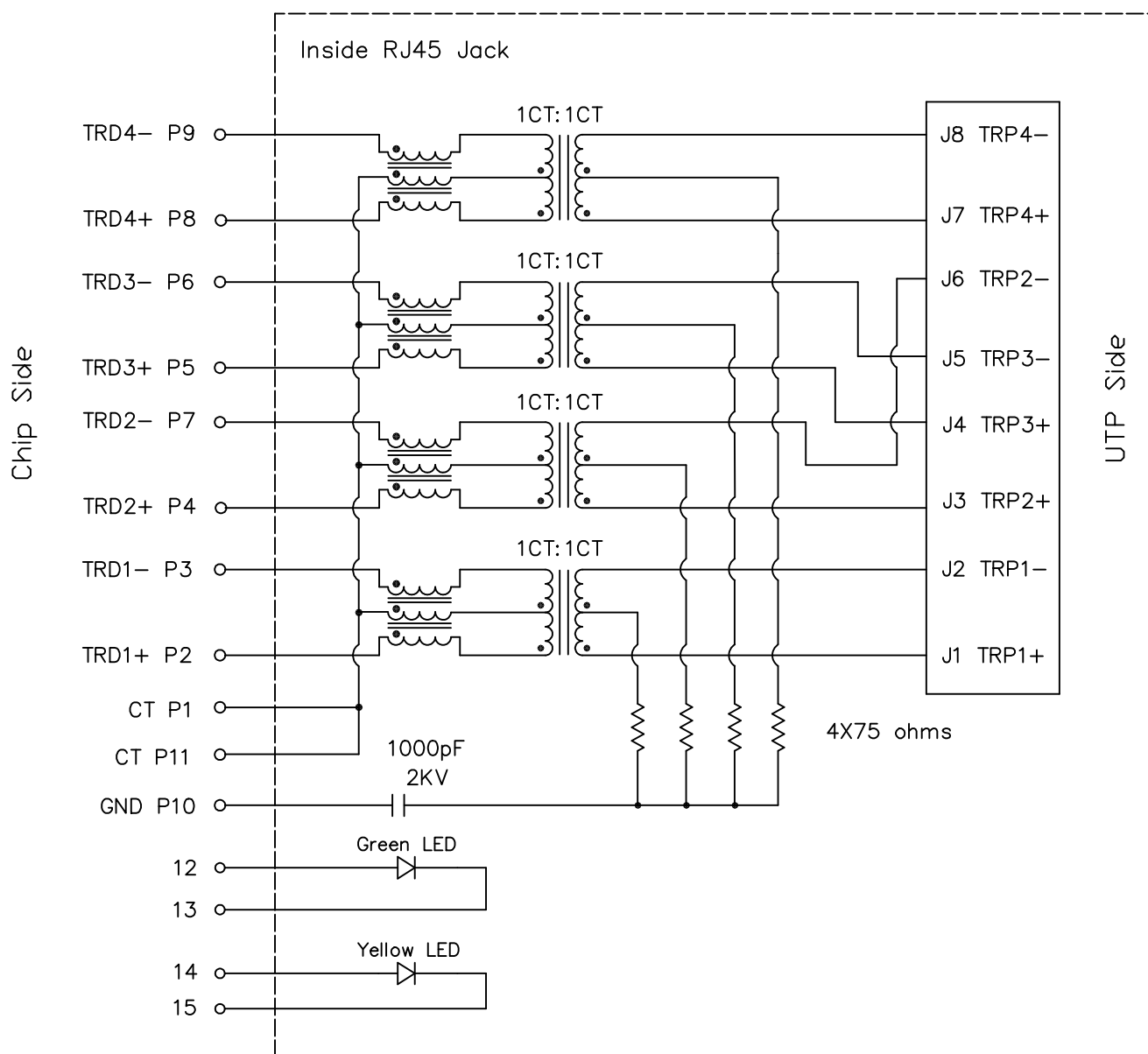
-16dB Minimum @60MHz ~ 80MHz / -14dB Minimum @80MHz ~ 100MHz

-12dB Minimum @100MHz ~ 150MHz / -9dB Minimum @150MHz ~ 250MHz

Common to Differential Mode Rejection: -30dB Minimum 1MHz ~ 250MHz

Crosstalk: -30dB Minimum 1MHz ~ 100MHz / -25dB Minimum 100MHz ~ 250MHz

Schematics

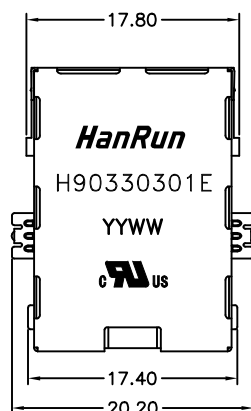


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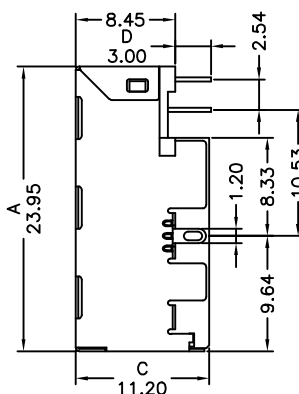
Commercial standards, specifications and Summary:

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3bz standards
- 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

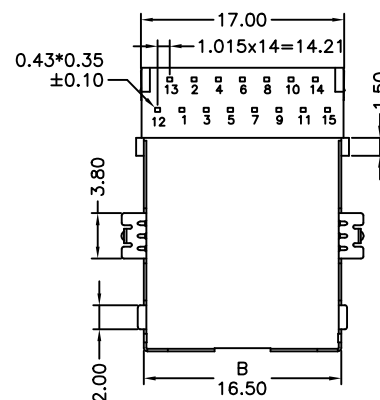
Mechanical Dimensions:



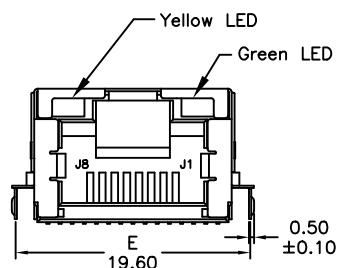
(Top View)



(Side View)



(Bottom View)



(Front View)

Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Yellow	585nm	1.8V/2.8V	20mA	squareness
Green	569nm	1.8V/2.8V	20mA	squareness

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: A0

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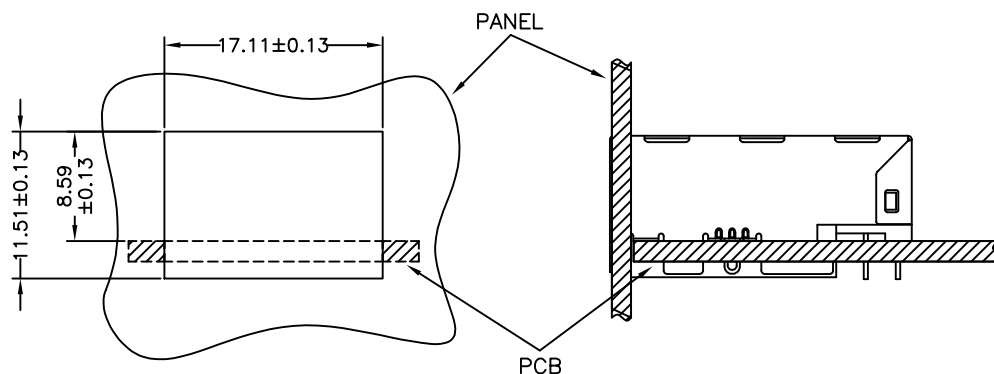
Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,
Zhongshan City, Guangdong Province, China

Tel: (0760)86103511 86103508 Fax: (0760)86103686 Post code: 528416

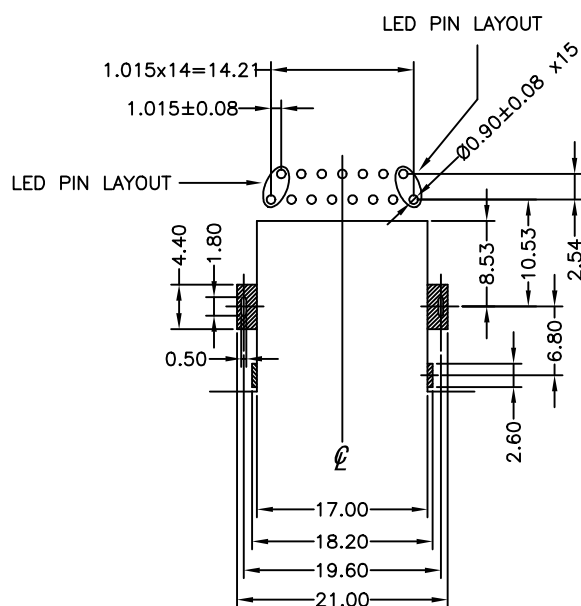
E-Mail: sales@hanrun.com http://www.hanrun.com

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Suggested Panel Opening:



PCB Layout:



Recommended PCB layout (Component Side View)

Component side PCB thickness: 1.60mm

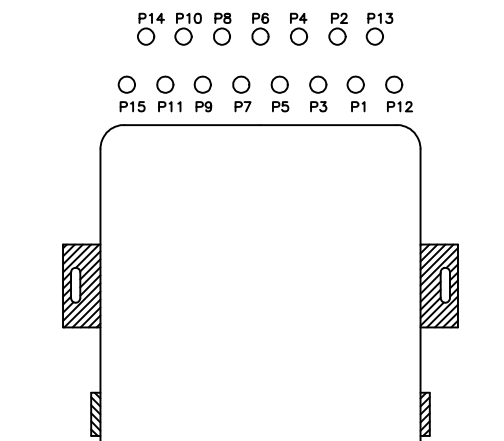
All dimension tolerance are ± 0.08 unless otherwise specified

NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED
TO CLEAR OFF ANY VIA HOLE OR COMPONENT PAD

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Pin Assignments:



(COMPONENT SIDE VIEW)

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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Storage Temperature Range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$