

#### Electrical Specification @25°C

RoHS Compliant (PB Free)

Operating Temperature Range: −40°C ~ +85°C

Isolation: 2250VDC 60Hz 0.5mA 1MIN (J1~8 to P1~12)

OCL: 350uH Minimum @100KHz 100mV

Turns Ratio: 1CT:1CT ±2%

Insertion Loss: -1.0dB Maximum @1MHz ~ 100MHz

Return Loss: -16dB Minimum @1MHz ~ 30MHz / -12dB Minimum @30MHz ~ 60MHz

-11dB Minimum @60MHz ~ 80MHz / -10dB Minimum @80MHz ~ 100MHz

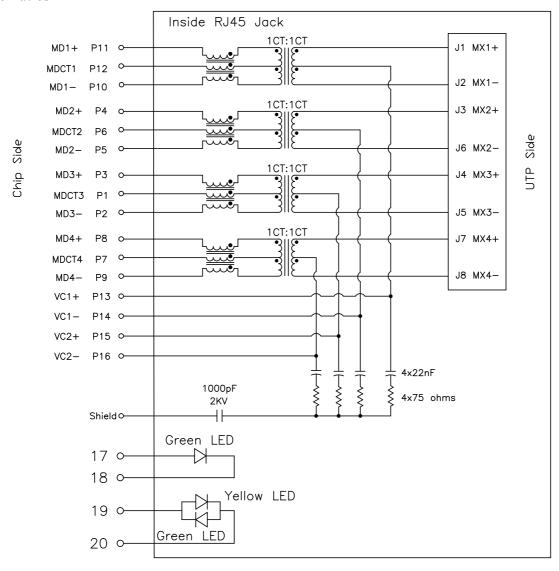
Common Mode Rejection: -30dB Minimuml @1MHz ~ 100MHz

Crosstalk: -35dB Minimum @30MHz / -32dB Minimum @60MHz / -30dB Minimum @100MHz

Designed To Support 57VDC, 900mA per centre tap

**Schematics** 

(45W when using 2 centre taps; 90W when using 4 centre taps)



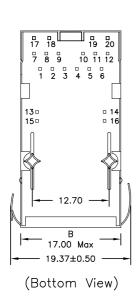
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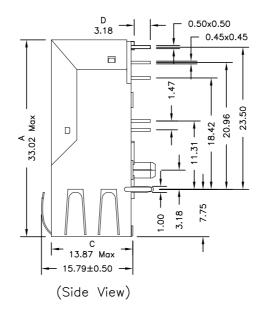
Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town, Zhongshan City, Guangdong Province, China Tel: (0760)86103511 86103508 Fax: (0760)86103686 Post code: 528416 E-Mail: sales@hanrun.com http://www.hanrun.com

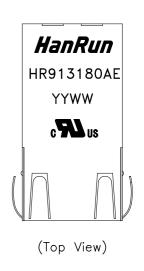


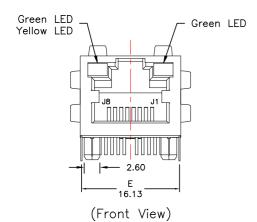
- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100/1000Base-T
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- UL Recognized Component: File # E330599

#### Mechanical Dimensions:









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

Dimensions in mm

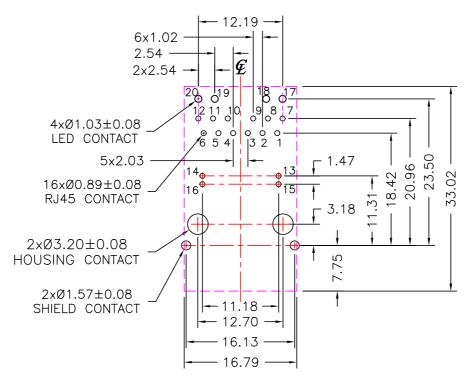
Unless otherwise specified, Tolerance: .xx  $\pm 0.25$ 

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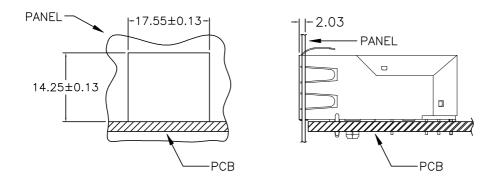


# PCB Layout:



Recommended PCB layout (Component Side View) All dimension tolerance are  $\pm 0.08$  unless otherwise specified

# Suggested Panel Cutout:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx  $\pm 0.25$ 

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# Material Specification:

Housing: PBT GF Black UL94V-0

Shield: 50u" Nickel over 0.20mm Thickness Brass

Insert: PA46 GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness
Plating Area, 30u" gold over 50u" nickel
Solder Area, 100u" tin over 50u" nickel

Contact pin: PA66 GF Black UL94V-0

Brass 0.45mm Thickness, 80u" tin over 30u" 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:  $-40^{\circ}$ C  $\sim +85^{\circ}$ C Storage Temperature Range:  $-40^{\circ}$ C  $\sim +85^{\circ}$ C

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