

HR915796AE

Electrical Specification @25°C

RoHS Compliant (PB Free)

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

OCL: 350uH Minimum @100KHz 100mV with 11mADC Lp

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

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

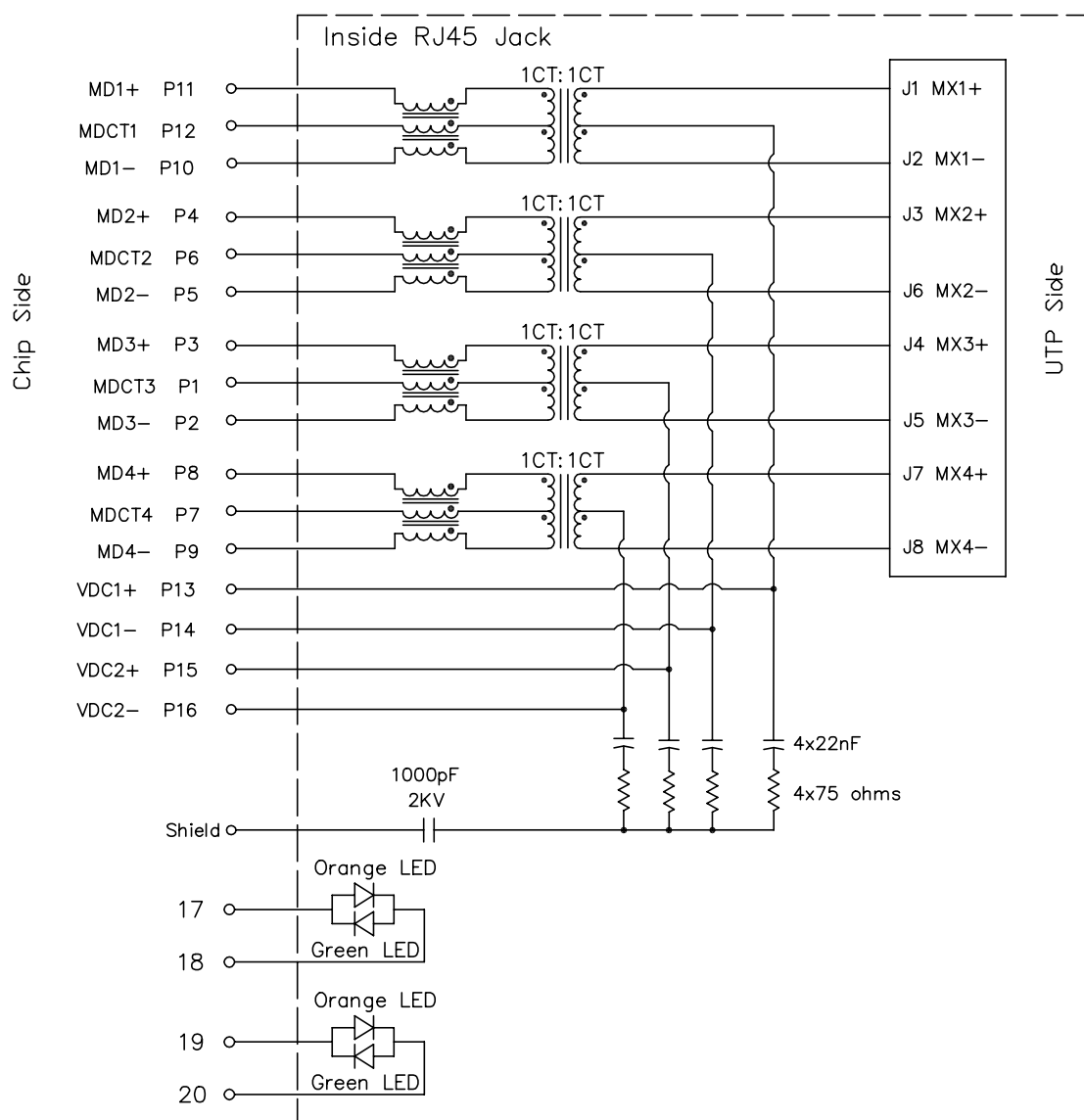
Common Mode Rejection: -30dB Minimum @1MHz ~ 100MHz

Crosstalk: -30dB Minimuml @1MHz ~60MHz / -26dB Minimuml @60MHz ~100MHz

Designed To Support 57VDC, 720mA per centre tap

(36W when using 2 centre taps; 72W when using 4 centre taps)

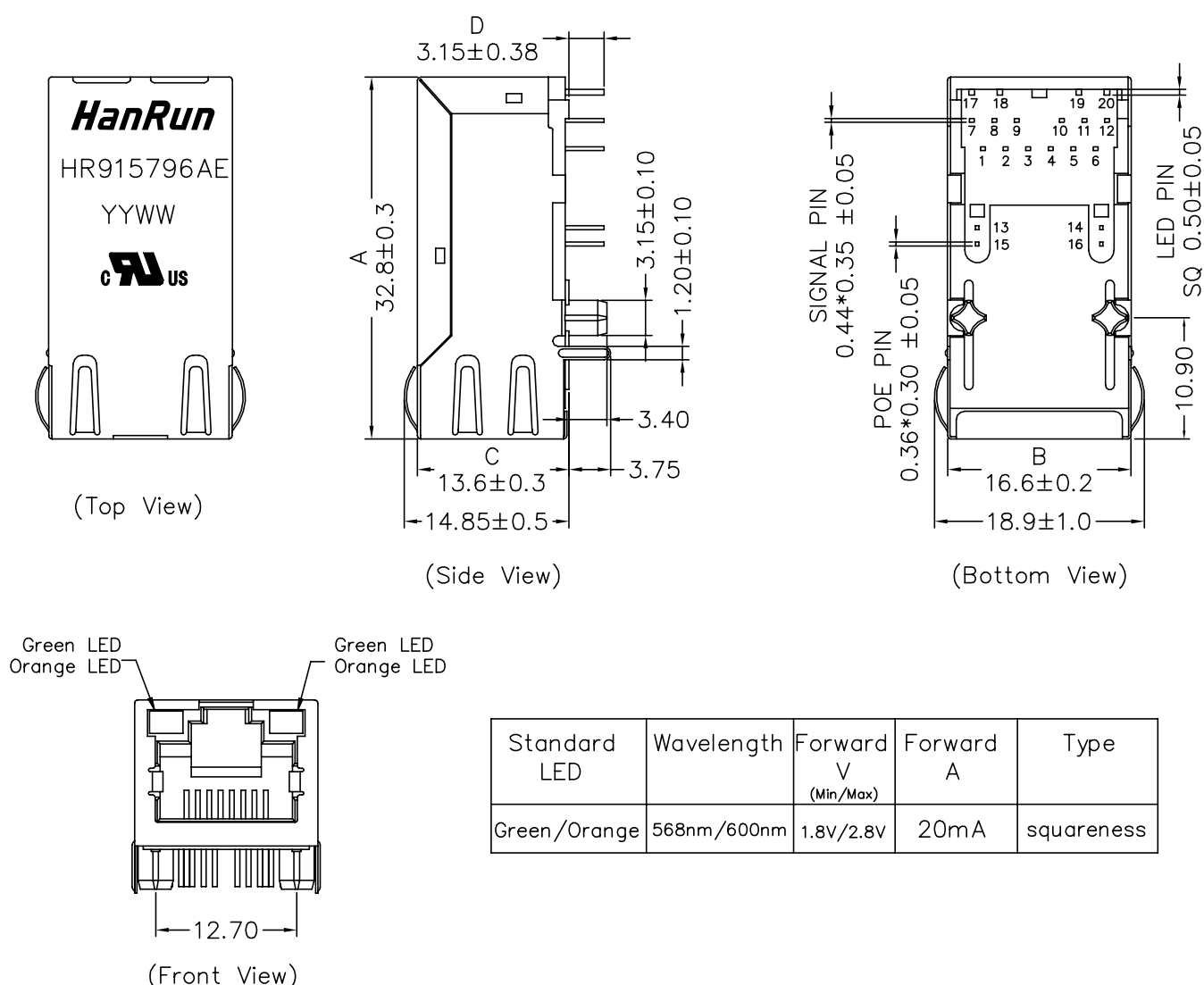
Schematics



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- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100/1000 Base-TX
- Meets or Exceeds IEEE802.3at standards including 350uH Min OCL with 18mADC
- 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:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 00

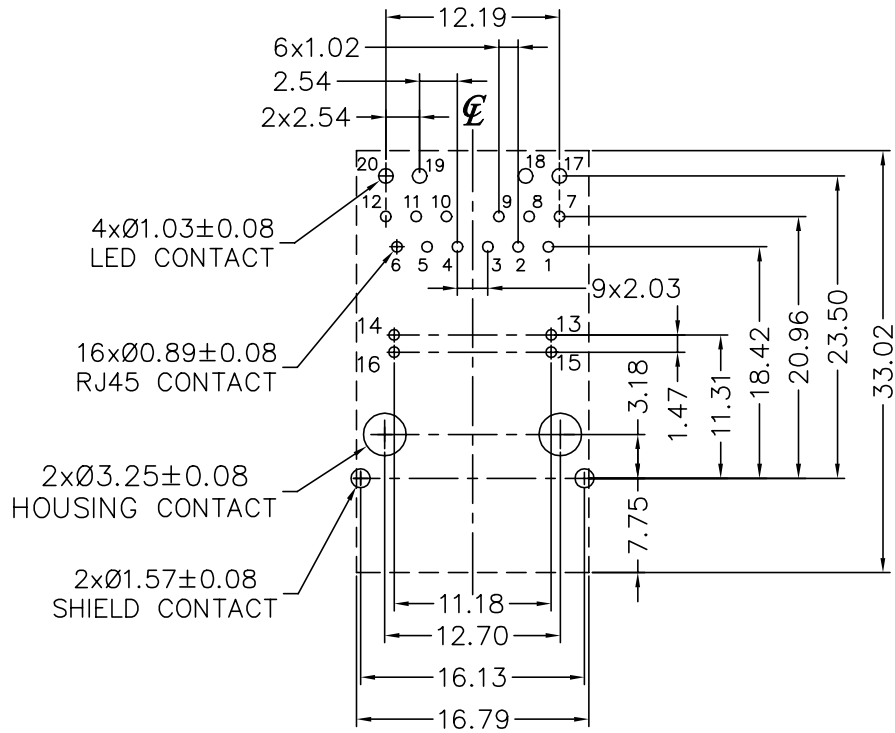
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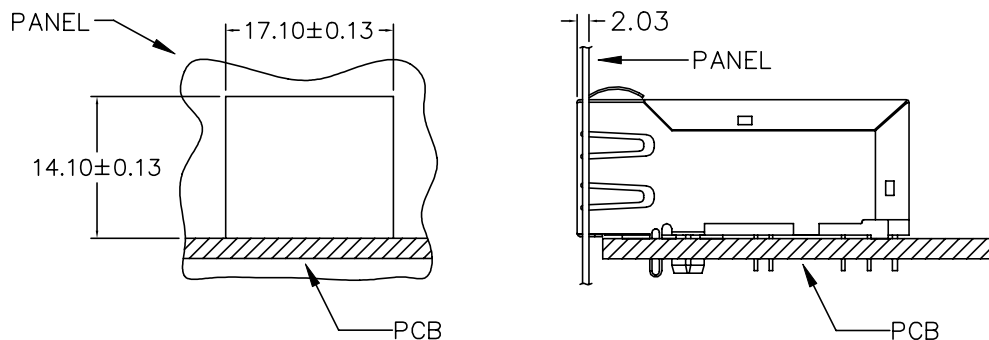
PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are ± 0.08 unless otherwise specified

Suggested Panel Cutout:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

REV.: 00

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Material Specification:

Housing: PA66 GF Black UL94V-0

Shield: 50u" Nickel over 0.20mm Thickness Brass

Insert: PBT 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: PBT GF Black UL94V-0

Brass 0.35mm Thickness, 80u" tin over 30u" nickel

Mechanical Performance:

Mating force: 5 lbs Maximum

Unmating force: 5 lbs Maximum

Operating life: 750 Cycles Minimum

Operating and Storage Temperature:

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

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