

HR911198A

Electrical Specification @25°C

RoHS Compliant (PB Free)

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

OCL: 350uH Minimum @100KHz 100mV with 8mADC Lp

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

Return Loss: -18dB Minimum @1MHz ~ 30MHz / -16dB Minimum @30MHz ~ 45MHz
-13.5dB Minimum @45MHz ~ 60MHz / -12dB Minimum @60MHz ~ 80MHz
-10dB Minimum @80MHz ~ 100MHz

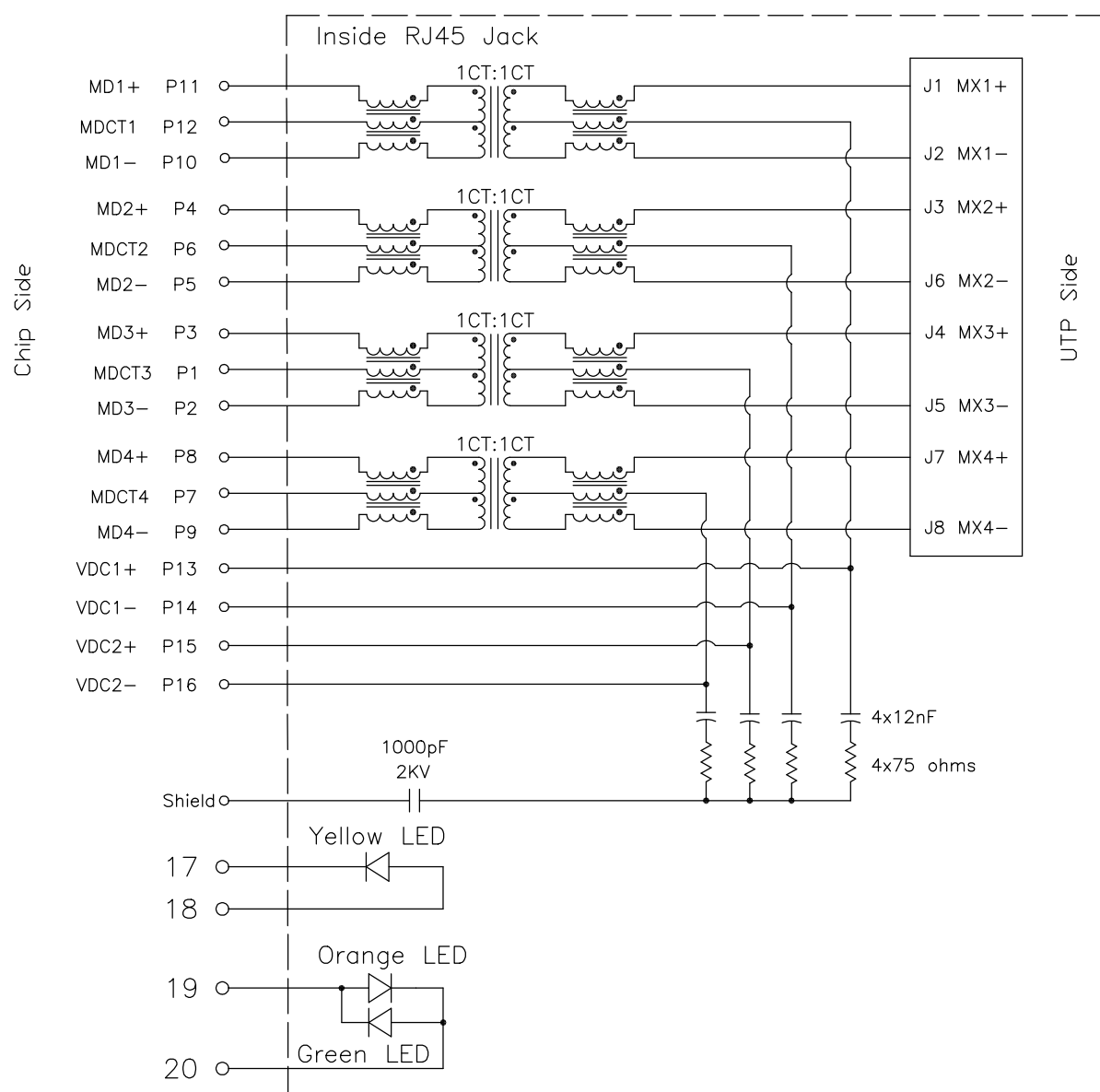
Common Mode Rejection: -30dB Minimum @1MHz ~ 100MHz

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

Designed To Support 57VDC, 350mA per centre tap

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

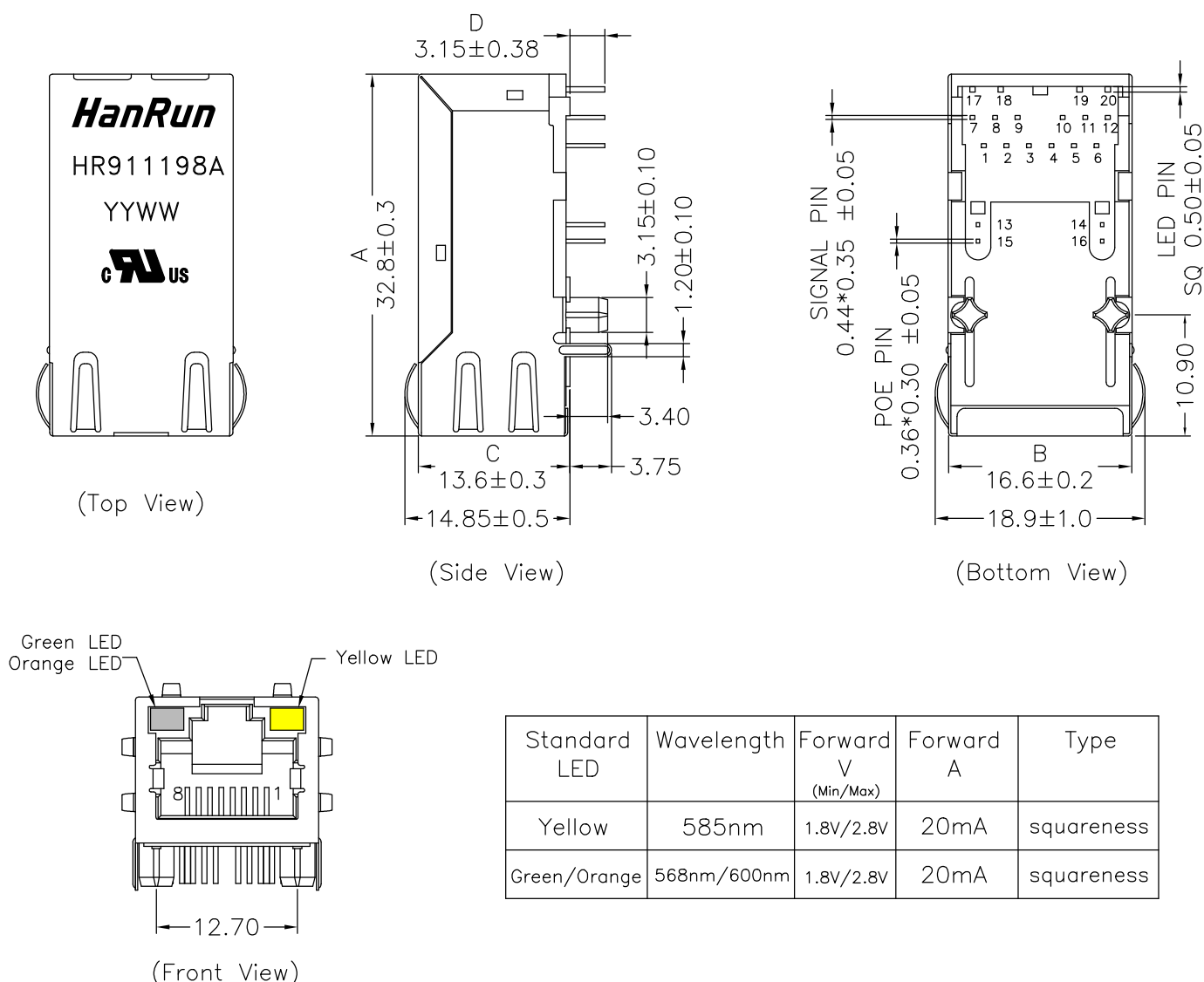
Schematics



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- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100/1000 Base-TX
- Meets or Exceeds IEEE802.3af standards including 350uH Min OCL with 8mADC
- 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.: 03

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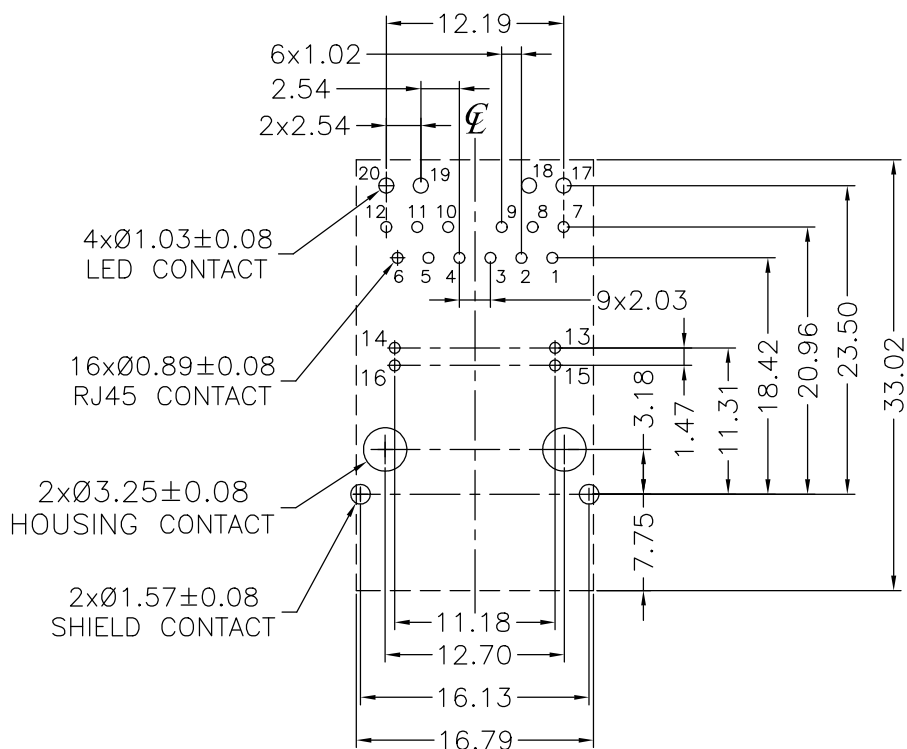
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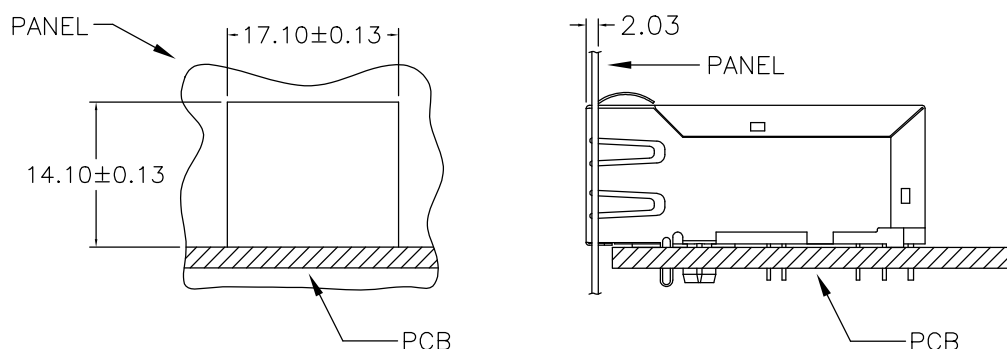
PCB Layout:



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

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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

Plug to Jack Retention force: 20 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