

HY911180A

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

Turns Ratio: 1:1 \pm 2%

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

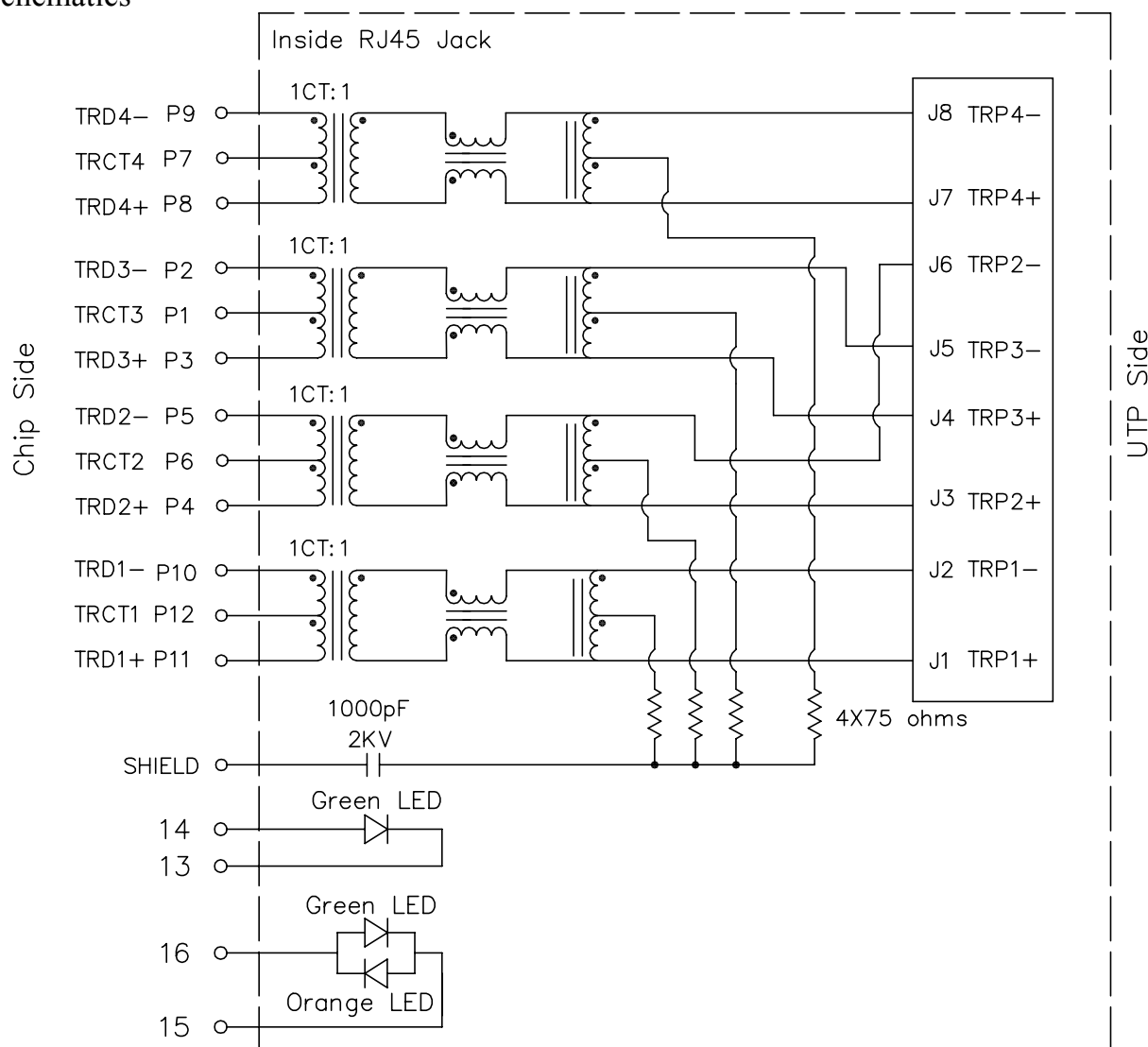
Return Loss: -18dB Minimum @1MHz ~ 30MHz / -14dB Minimum @30MHz ~ 60MHz
-12dB Minimum @60MHz ~ 80MHz / -10B Minimum @80MHz ~ 100MHz

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

DCMR: -35dB Minimum @30MHz ~ 60MHz / -30dB Minimum @60MHz ~ 100MHz

Crosstalk: -32dB Minimum @1MHz ~ 10MHz / -28dB Minimum @32MHz ~ 65MHz
-24dB Minimum @65MHz ~ 100MHz

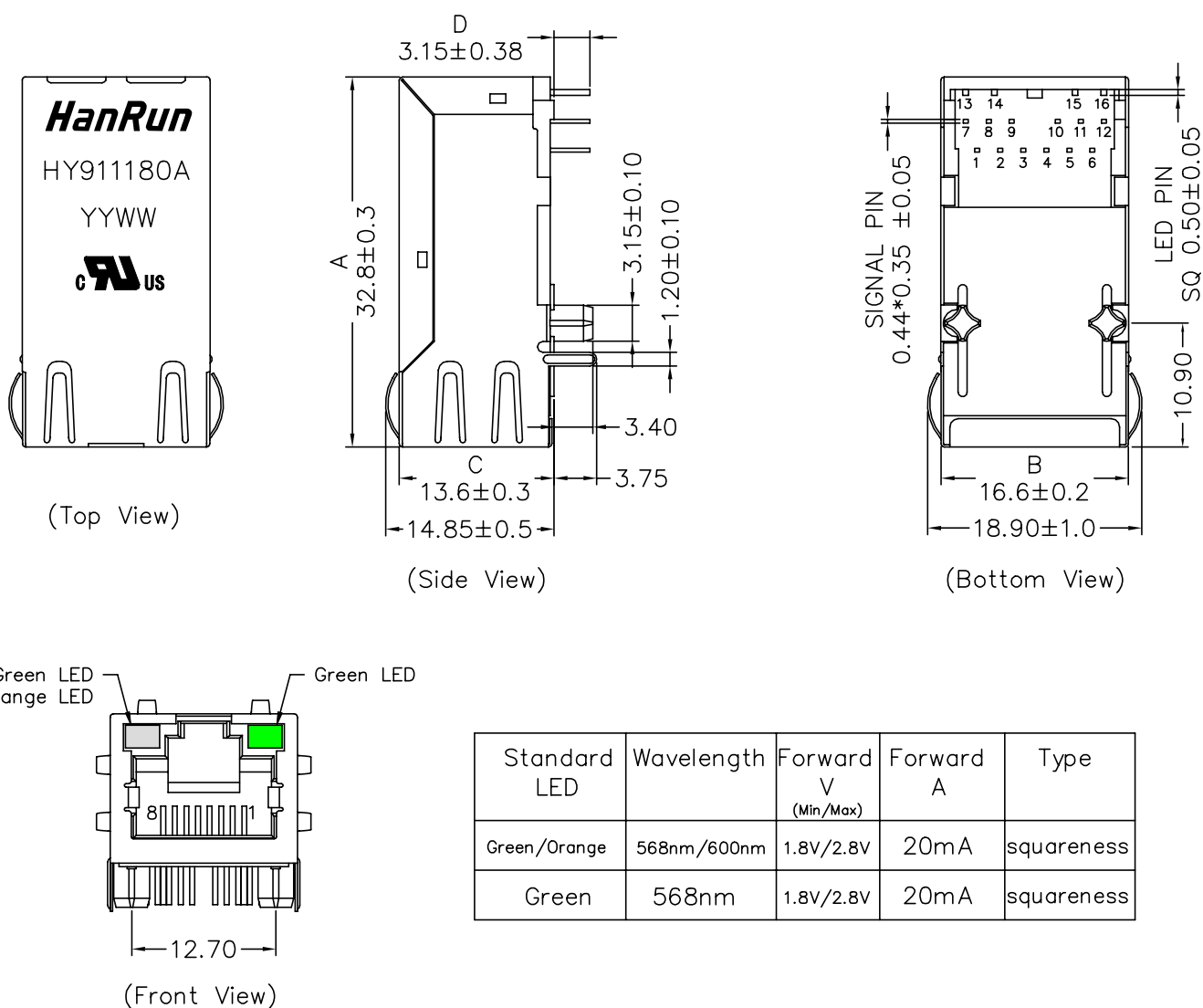
Schematics



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- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100/1000 Base -TX
- Meets or Exceeds IEEE802.3ab 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.: B

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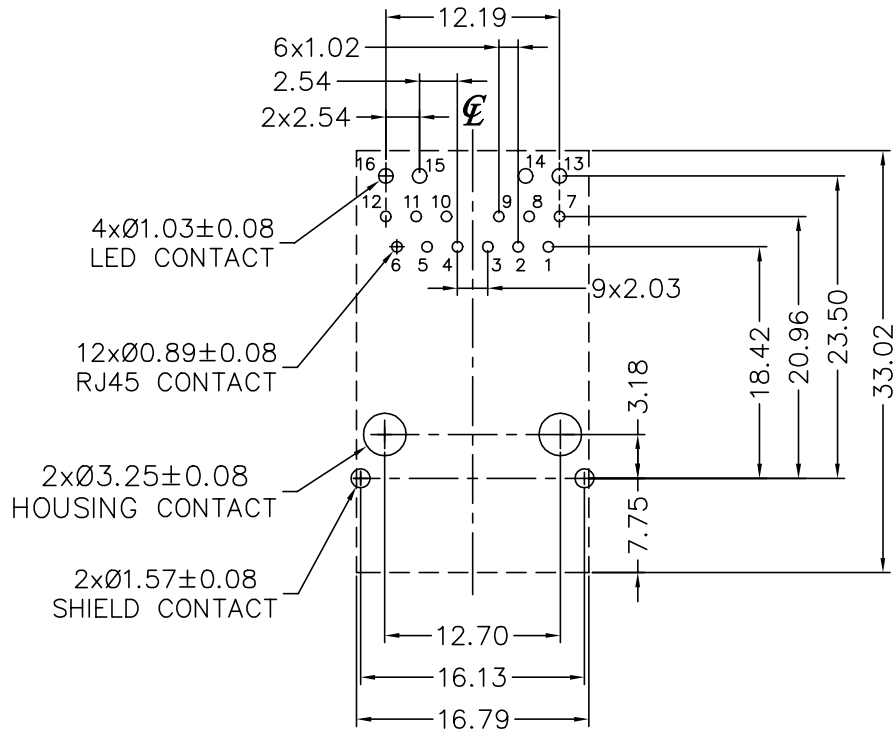
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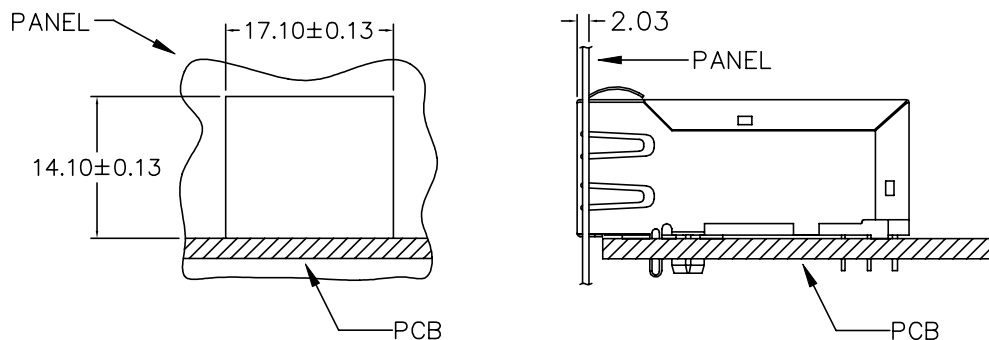
PCB Layout:



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

REV.: B

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