

HR935361AE

Electrical Specification @25°C

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

OCL: 120uH Minimum @100KHz 100mV with 8mADC

Insertion Loss: -3.0dB Maximum @100KHz ~1MHz / -1.5dB Maximum @1MHz ~ 250MHz
-2.5dB Maximum @250MHz ~ 400MHz / -3.0dB Maximum @400MHz ~ 500MHz

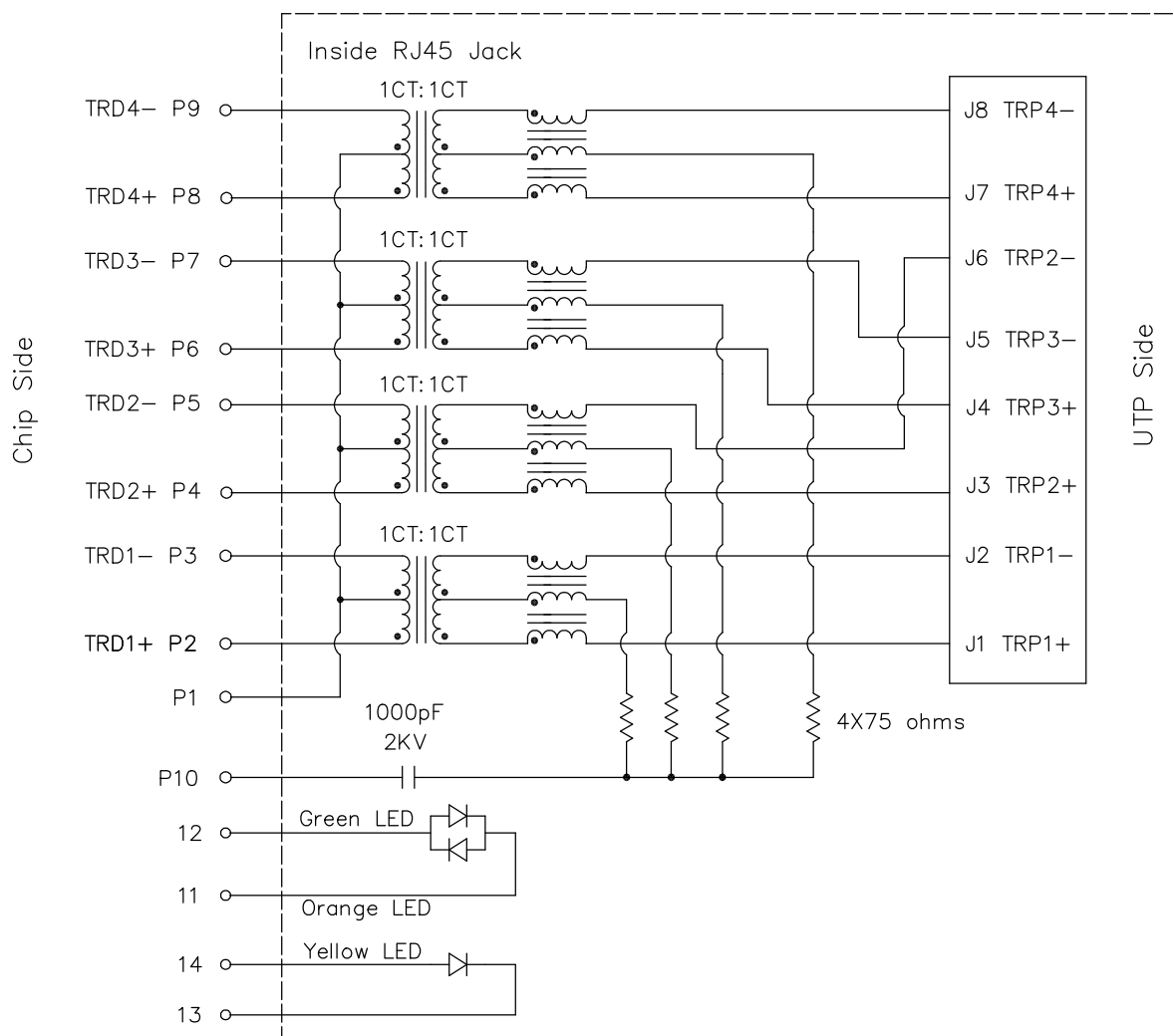
Return Loss: -18dB Minimum @1MHz ~ 40MHz / -14dB Minimum @40MHz ~ 100MHz
-11dB Minimum @100MHz ~ 250MHz / -8dB Minimum @250MHz ~ 500MHz

CMRR: -28dB Minimum @1MHz ~ 100MHz / -22dB Minimum @100MHz ~ 250MHz
-20dB Minimum @250MHz ~ 500MHz

DCMR: -30dB Minimum @1MHz ~ 100MHz / -25dB Minimum @100MHz ~ 250MHz
-20dB Minimum @250MHz ~ 500MHz

Crosstalk: -30dB Minimum @1MHz ~ 100MHz / -20dB Minimum @100MHz ~ 500MHz

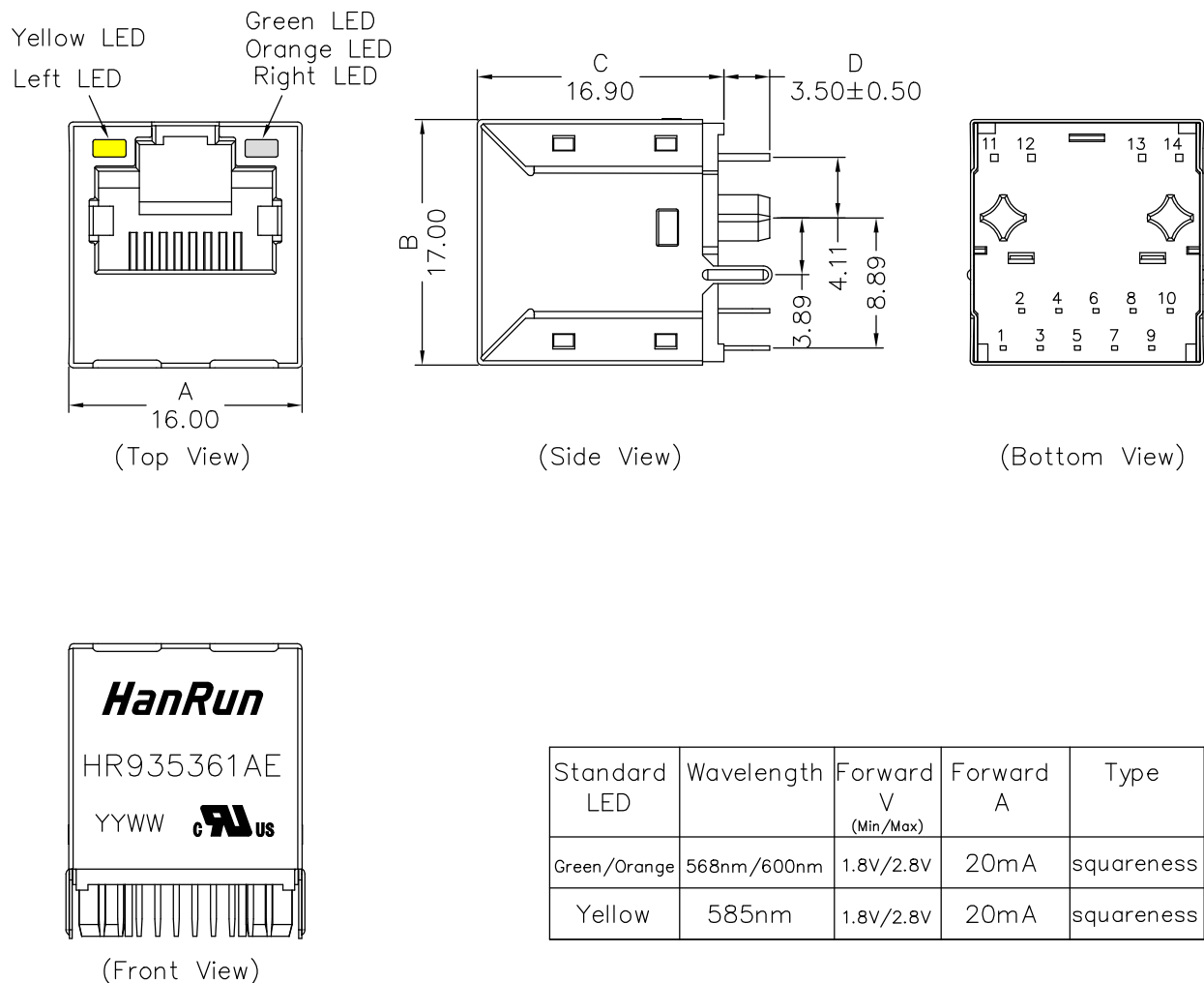
Schematics



HR935361AE

- RoHS Compliant (Pb Free)
- Designed for Network Interface Card Application
- Meets or Exceeds IEEE802.3an 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 place on PCB, Higher reliability and yields
- UL Recognized Component: File # E330599

Mechanical Dimensions:



Dimensions in mm

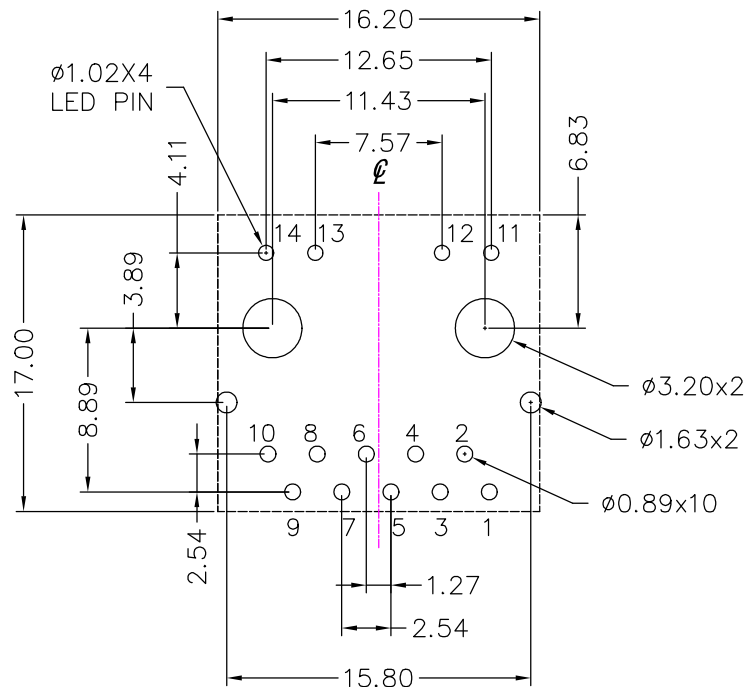
Unless otherwise specified, Tolerance: .xx ±0.25

REV.: A0

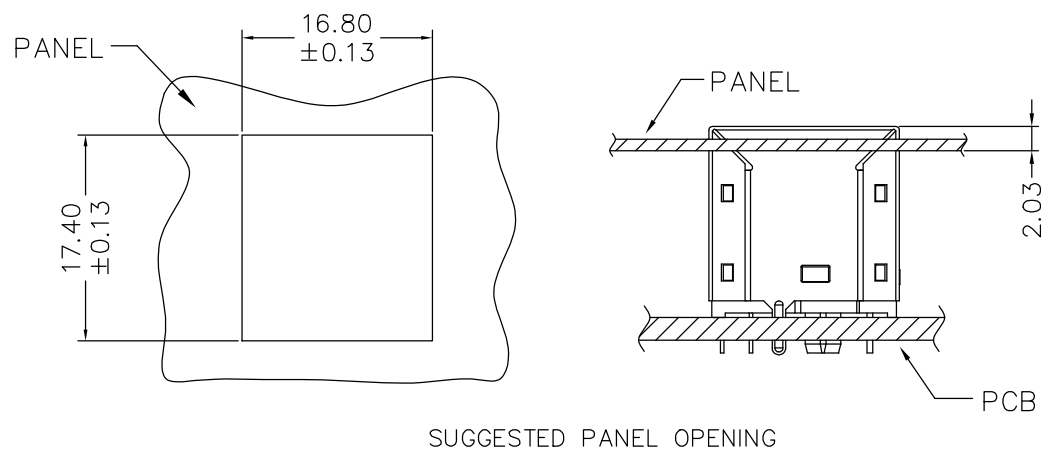
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Mechanical Dimensions:



Suggested Panel Cutout:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

REV.: A0

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Material Specification:

Housing: PA66 GF Black UL94V-0
Shield: 30u" Nickel over 0.20mm Thickness Brass
Insert: PA66 GF Black UL94V-0
Phosphor Bronze 0.30mm Thickness
Plating Area, 30u" gold over 50u" nickel
Solder Area, 100u" tin over 50u" nickel
Contact pin: PA66 GF Black UL94V-0
Phosphor Bronze; 100u" Tinning

Mechanical Performance:

Contact resistance: 30 mΩ Maximum
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