

HR871119C

Electrical Specification @25°C

RoHS Compliant (PB Free)

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

OCL: 350uH Minimum @100KHz 100mV with 20mADC

PIN1-3; PIN4-5 DCR: 1.4 Ohms Maximum

J1-2; J3-6 DCR: 1.2 Ohms Maximum

Insertion Loss: -1.5dB Maximum @300KHz ~ 100MHz

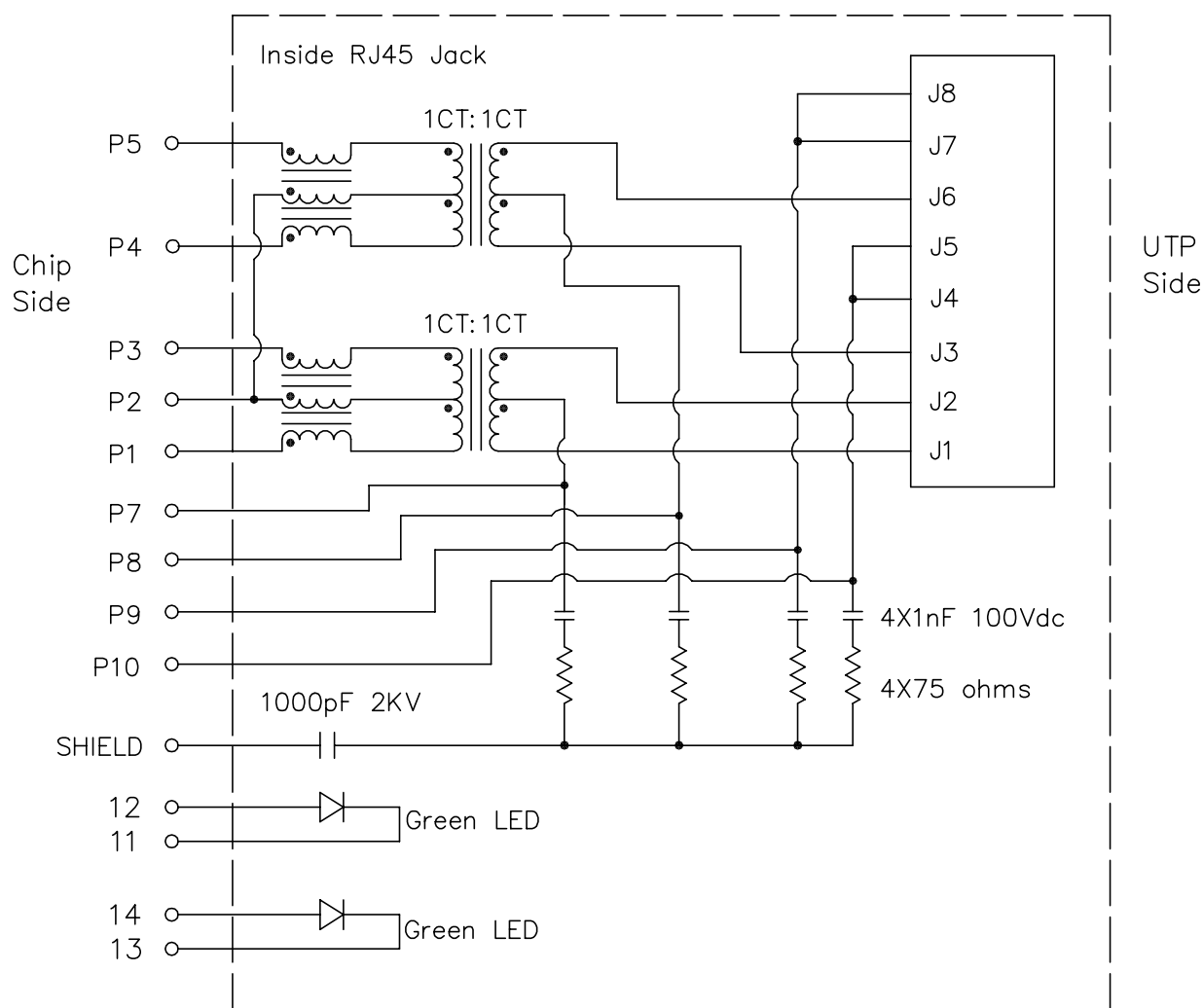
Return Loss: -16dB Minimum @1MHz ~ 30MHz

-10dB Minimum @60MHz ~ 80MHz

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

Designed to support 57VDC 600mA current ability when using any two channels

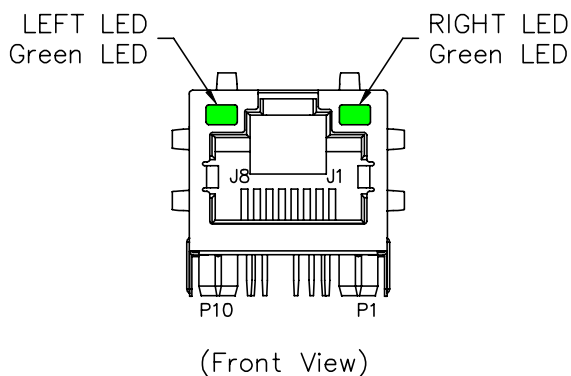
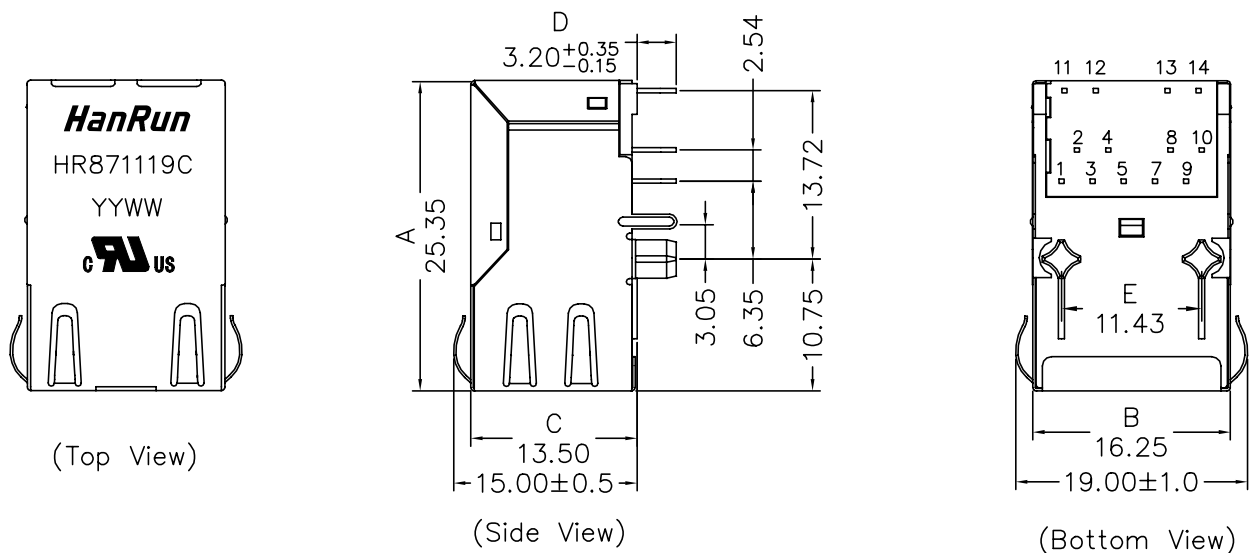
Schematics



HR871119C

- RoHS Compliant (Pb Free)
- UL Recognized Component: File # E330599
- Designed for Network Interface Card Application
- Meets or Exceeds IEEE802.3at standards including 350uH Min OCL with 20mADC
- 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

Mechanical Dimensions:



Remark:

1.Remove Pin#6

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

Dimensions in mm

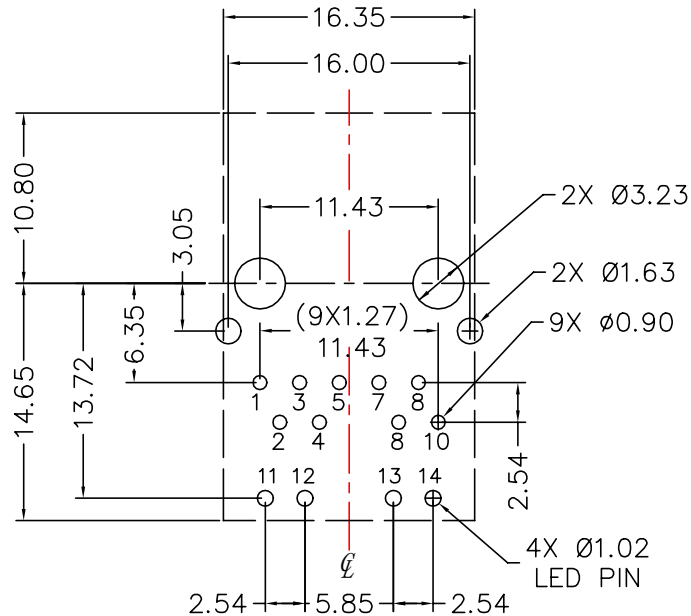
Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 04

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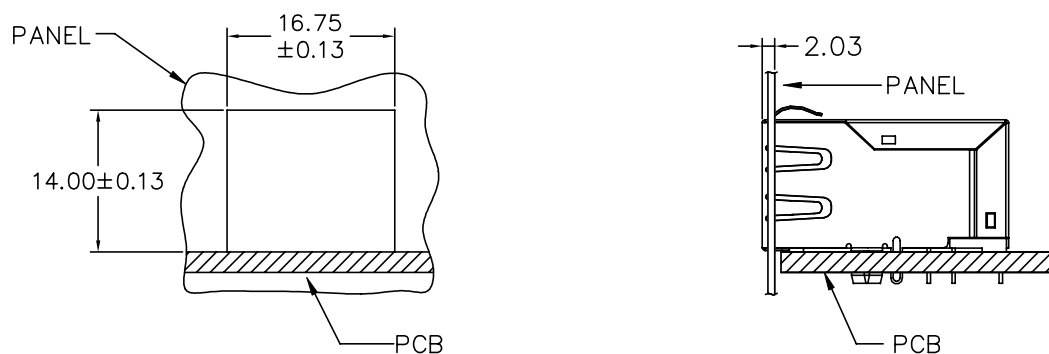
PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are ± 0.08 unless otherwise specified

Suggested Panel Cutout:



SUGGESTED PANEL OPENING

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

REV.: 04

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Material Specification:

Housing: PA66 Black UL94V-0
Shield: 30u" Nickel over 0.20mm Thickness Brass
Insert: PA66 Black UL94V-0
Phosphor Bronze 0.35mm Thickness
Plating Area, 30u" gold over 50u" nickel
Solder Area, 100u" tin over 50u" 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: 0°C ~ +70°C
Storage Temperature Range: -40°C ~ +85°C