

HY911261C

Electrical Specification @25°C

RoHS Compliant (PB Free)

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

OCL: 350uH Minimum @100KHz 100mV with 8mAADC

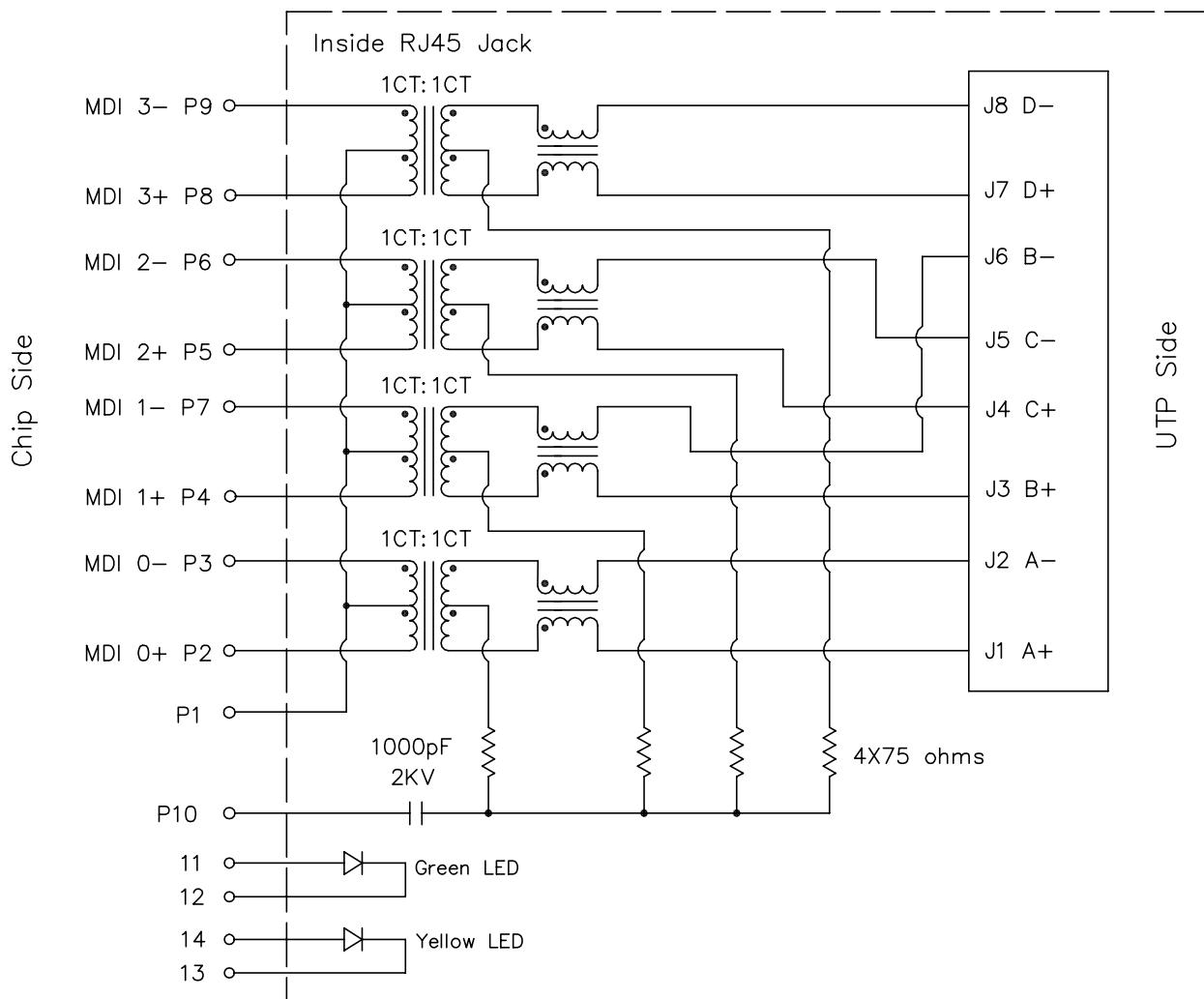
Insertion Loss: -1.0dB Maximum @100KHz ~ 60MHz / -1.1dB Maximum @60MHz ~ 100MHz

Return Loss: -18dB Minimum @0.3MHz ~ 30MHz / -15dB Minimum @40MHz ~ 60MHz
-10dB Minimum @80MHz ~ 100MHz

Common Mode Rejection: -40dB Minimum @1MHz ~ 60MHz
-35dB Minimum @60MHz ~ 100MHz

Crosstalk: -35dB Minimum @1MHz ~ 10MHz / -26dB Minimum @15MHz ~ 60MHz
-24dB Minimum @60MHz ~ 100MHz

Schematics



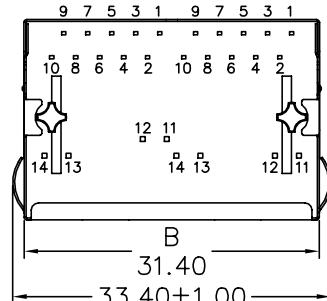
HY911261C

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3ab standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 1500Vrms isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to be placed on PCB, higher reliability and yields
- UL Recognized Component: File # E330599

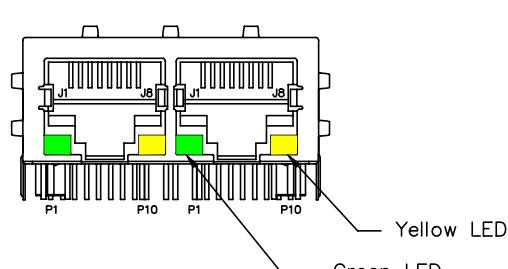
Mechanical Dimensions:



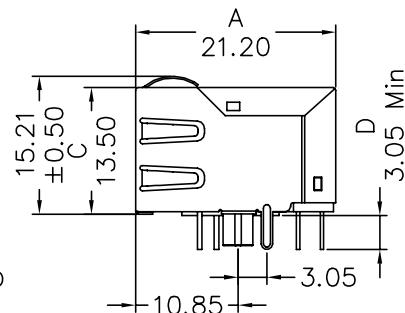
(Top View)



(Bottom View)



(Front View)



(Side View)

| Standard LED | Wavelength | Forward V (Min/Max) | Forward A | Type |
|--------------|------------|---------------------|-----------|------------|
| Green | 568nm | 1.8V/2.8V | 20mA | squareness |
| Yellow | 585nm | 1.8V/2.8V | 20mA | squareness |

Dimensions in mm

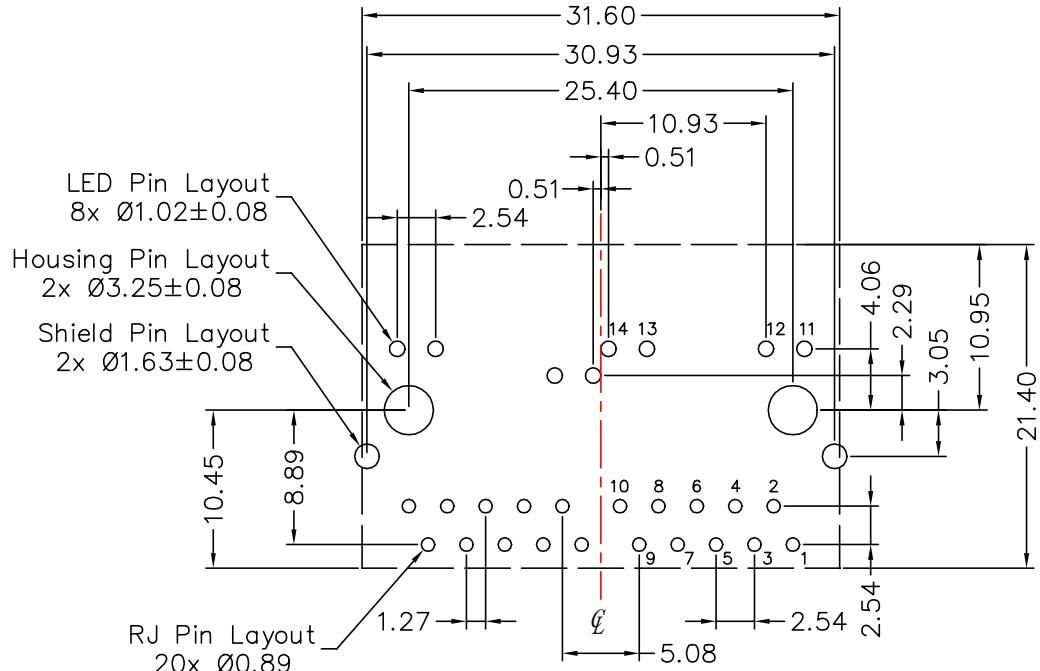
Unless otherwise specified, Tolerance: .xx ±0.25

REV.: E

2 of 4

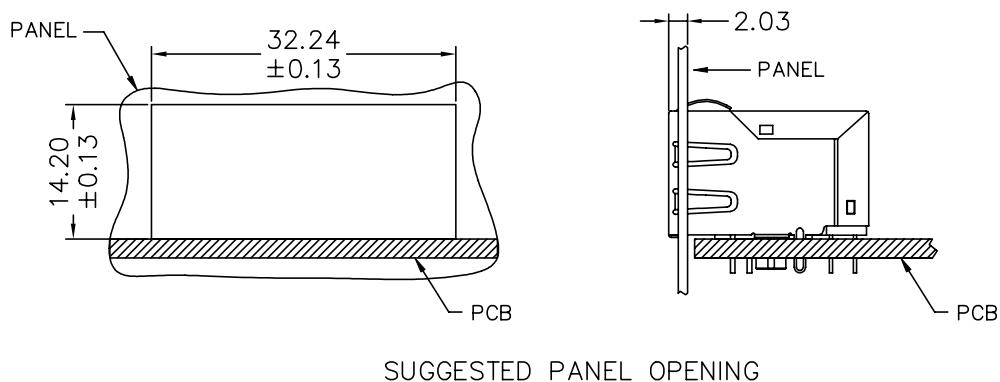
HY911261C

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.: E

3 of 4

HY911261C

Material Specification:

Housing: PA66 GF Black UL94V-0

Shield: 30μ Nickel over 0.20mm Thickness Brass

Insert: PA66 GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness

Plating Area, 30μ gold over 50μ nickel

Solder Area, 100μ tin over 50μ 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

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: E

4 of 4

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