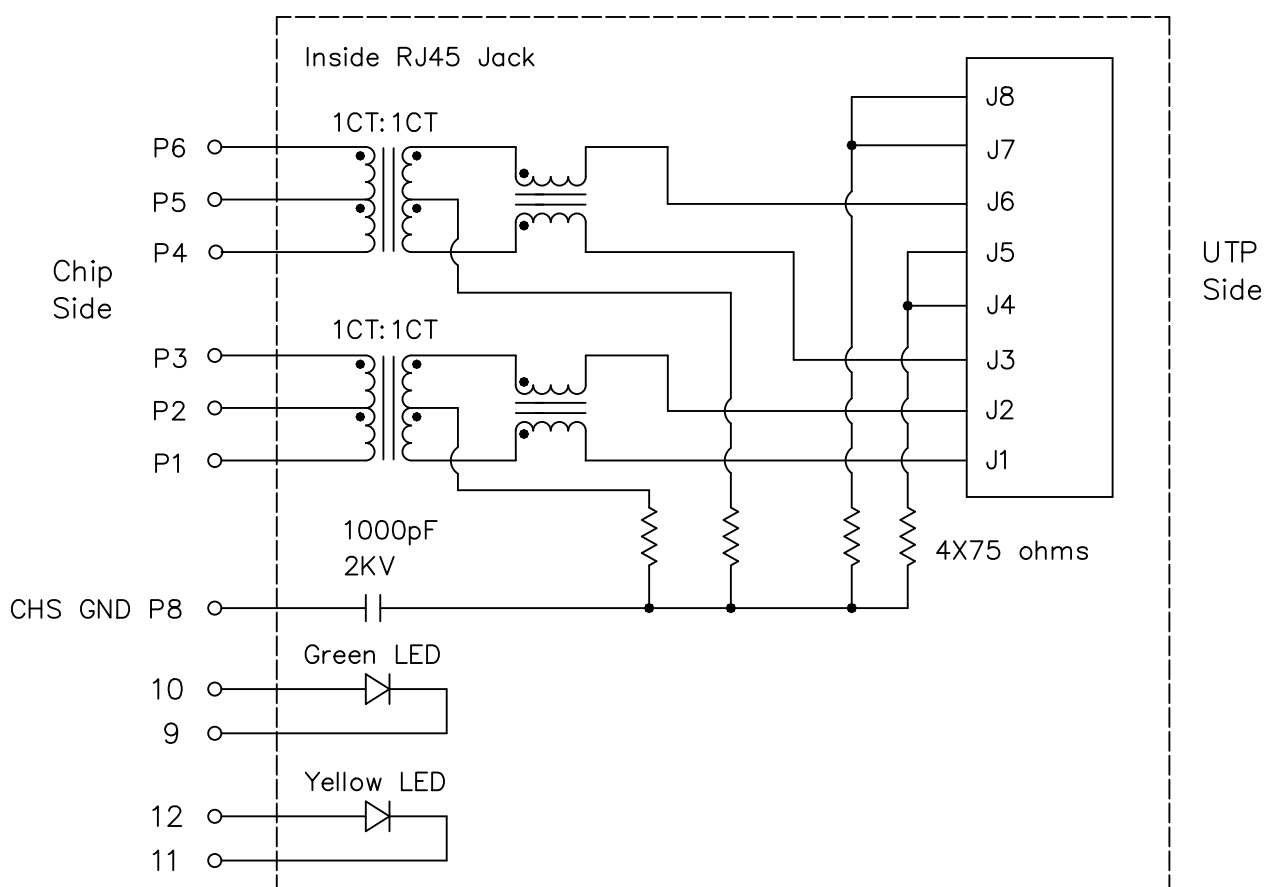


HY911168C

Electrical Specification @25°C

Isolation:	2250VDC Min.	0.5mA 60sec UTP Side to Chip Side
OCL:	350uH Min.	@100KHz 100mV with 8mADC
Insertion Loss:	-1.0dB Max.	@300KHz ~ 100MHz
Return Loss:	-20dB Min.	@1MHz ~ 10MHz
Return Loss:	-16dB Min.	@10MHz ~ 30MHz
Return Loss:	-12dB Min.	@30MHz ~ 60MHz
Return Loss:	-10dB Min.	@60MHz ~ 80MHz
Common Mode Rejection:	-30dB Min.	@1MHz ~ 50MHz
Common Mode Rejection:	-20dB Min.	@50MHz ~ 150MHz
Crosstalk:	-40dB Min.	@1MHz ~ 30MHz
Crosstalk:	-35dB Min.	@30MHz ~ 60MHz
Crosstalk:	-30dB Min.	@60MHz ~ 100MHz

Schematics

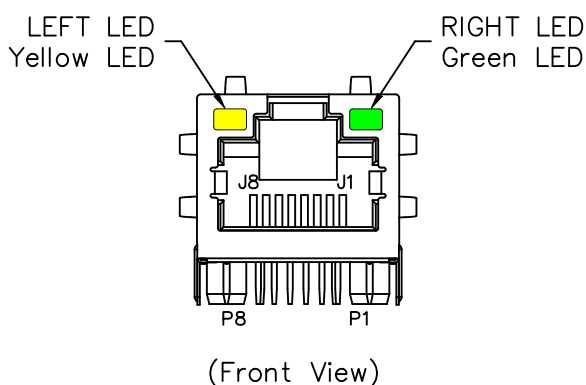
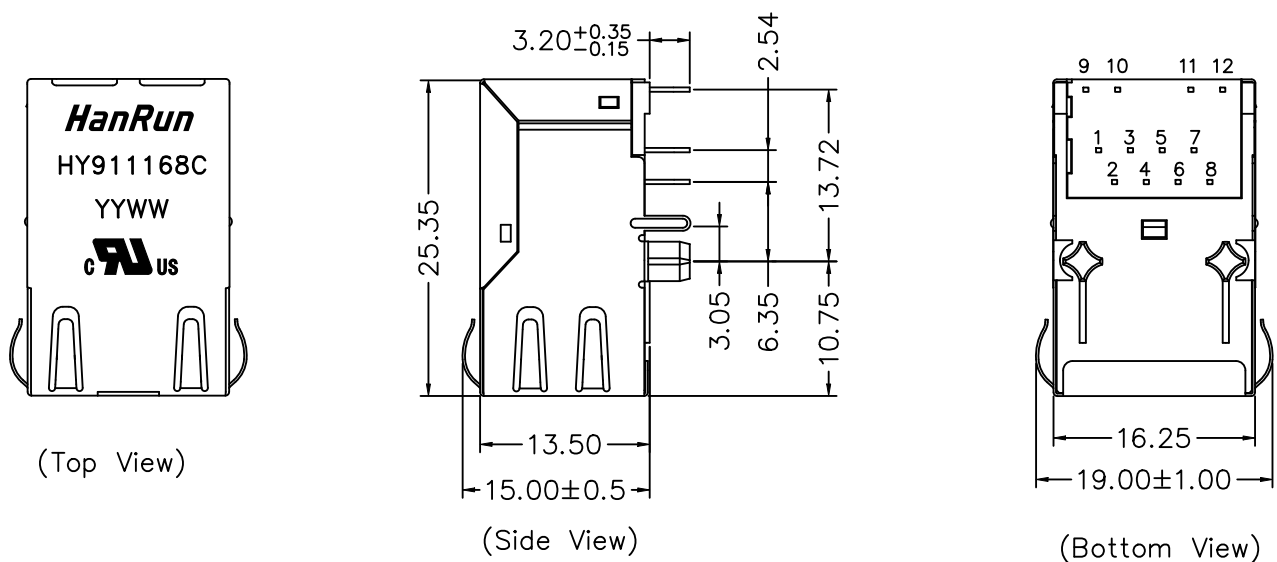


Notes: Connect CHS GND to PCB Ground

HY911168C

- RoHS Compliant (Pb Free)
- UL Recognized Component: File # E330599
- Designed for Network Interface Card Application
- Meets or Exceeds IEEE802.3 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
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to place on PCB, Higher reliability and yields

Mechanical Dimensions:



Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness
Yellow	586nm	1.8V/2.8V	20mA	squareness

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: B0

2 of 4

DRAWN:

CHECKED:

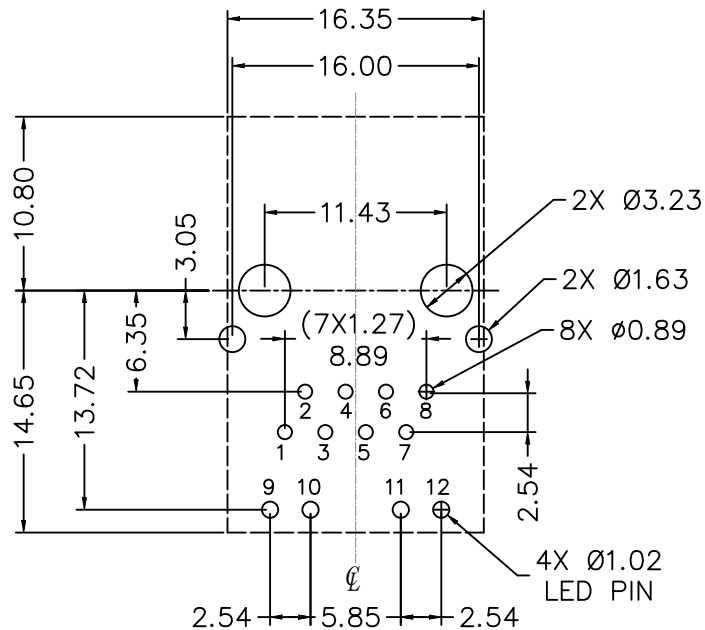
APPROVED:

Tel: (0760)86103511 86103508 Fax: (0760)86103686 Post code: 528416

E-Mail: sales@hanrun.com <http://www.hanrun.com>

HY911168C

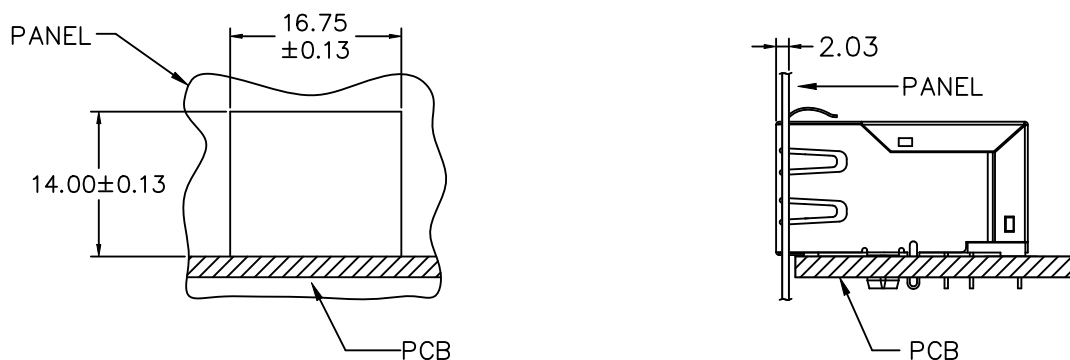
PCB Layout:



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.: B0

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DRAWN:

CHECKED:

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HY911168C

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: 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