

## HR911481A

### Electrical Specification @25°C

RoHS Compliant (PB Free)

Isolation: 1500Vrms 0.5mA 60sec (UTP Side to Chip Side)

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

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

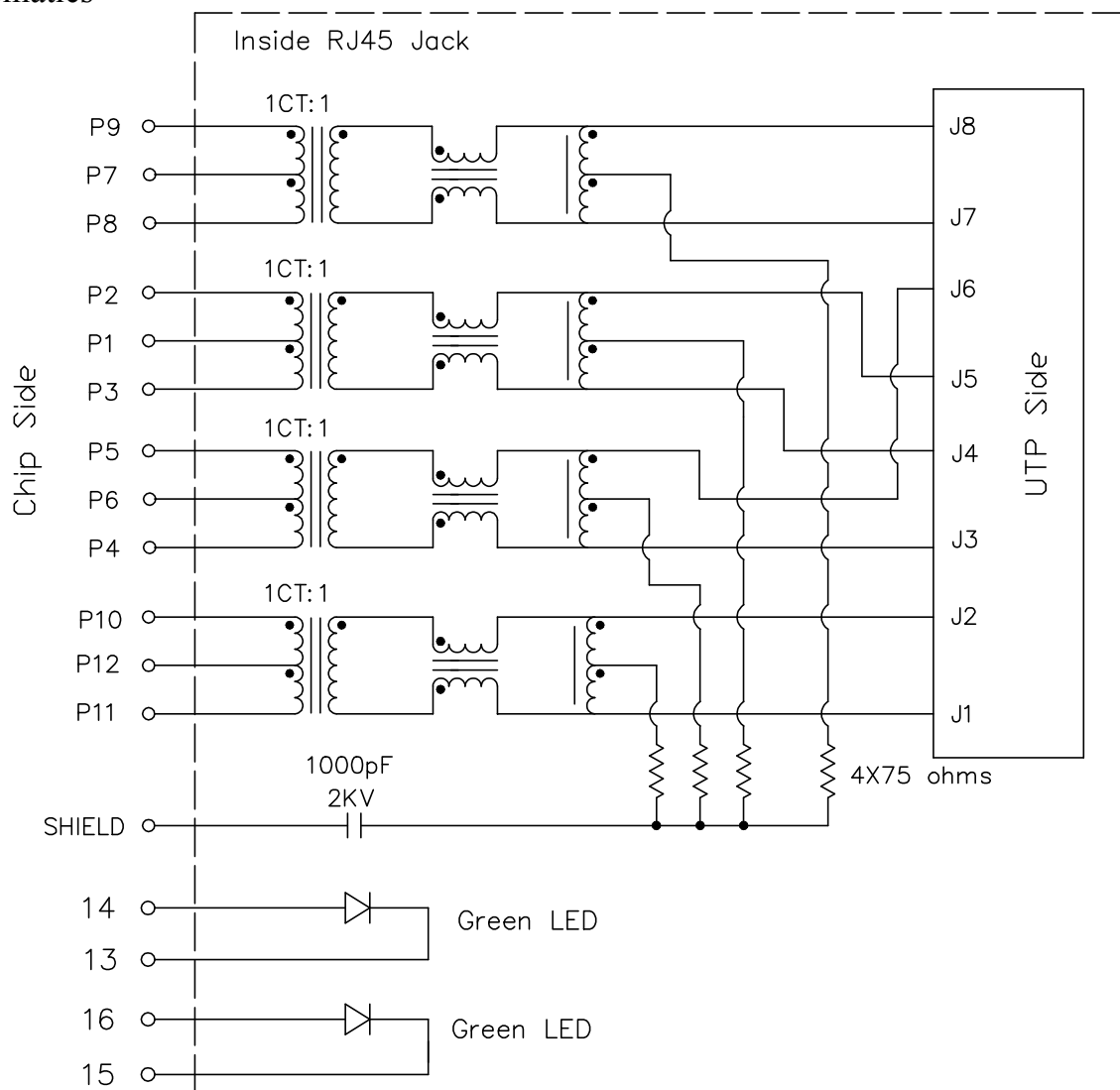
Return Loss: -18dB Minimum @1MHz ~ 30MHz / -13.5dB Minimum @30MHz ~ 60MHz  
-12dB Typical @60MHz ~ 80MHz

Different to Common Mode Rejection: -35dB Minimum @0.3MHz ~ 100MHz:

Common to Common Mode Rejection: -30dB Minimum @0.3MHz ~ 100MHz:

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

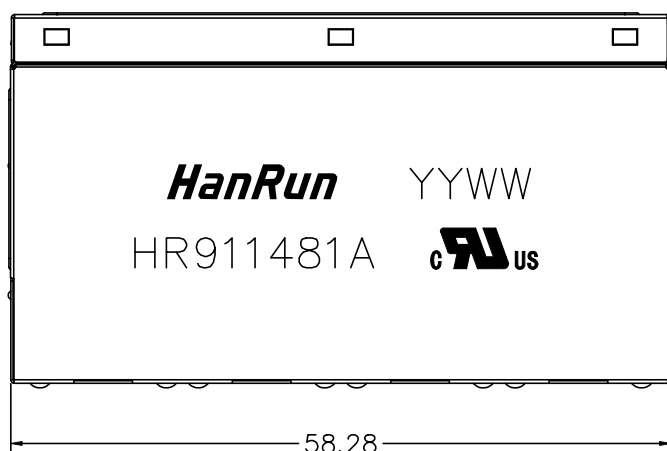
### Schematics



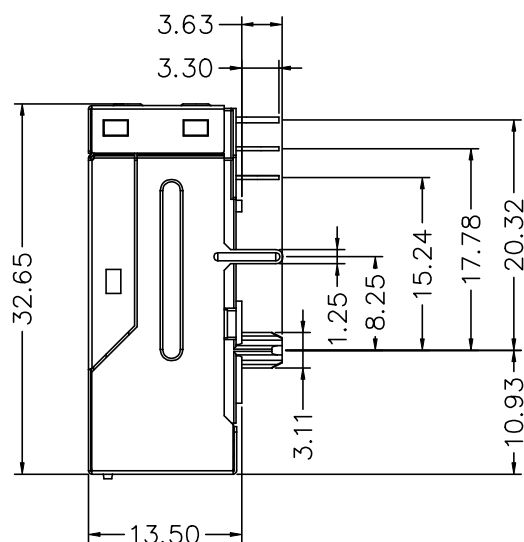
## HR911481A

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3ab standards
- 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 place on PCB, Higher reliability and yields
- UL Recognized Component: File # E330599

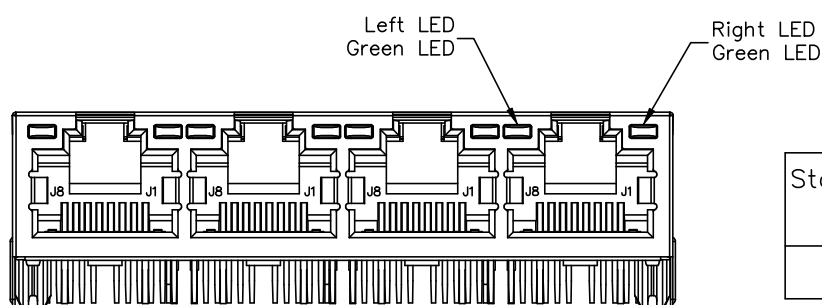
### Mechanical Dimensions:



(Top View)



(Side View)



(Front View)

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

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: B/1

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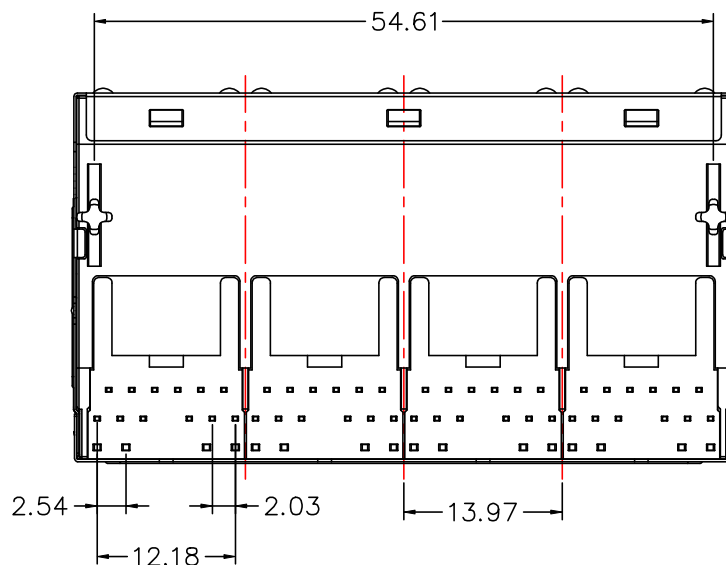
Address: No.16, Industrial Road Central, Industrial Zone, Xiaolan Town,  
Zhongshan City, Guangdong Province, China

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E-Mail: [sales@hanrun.com](mailto:sales@hanrun.com) <http://www.hanrun.com>

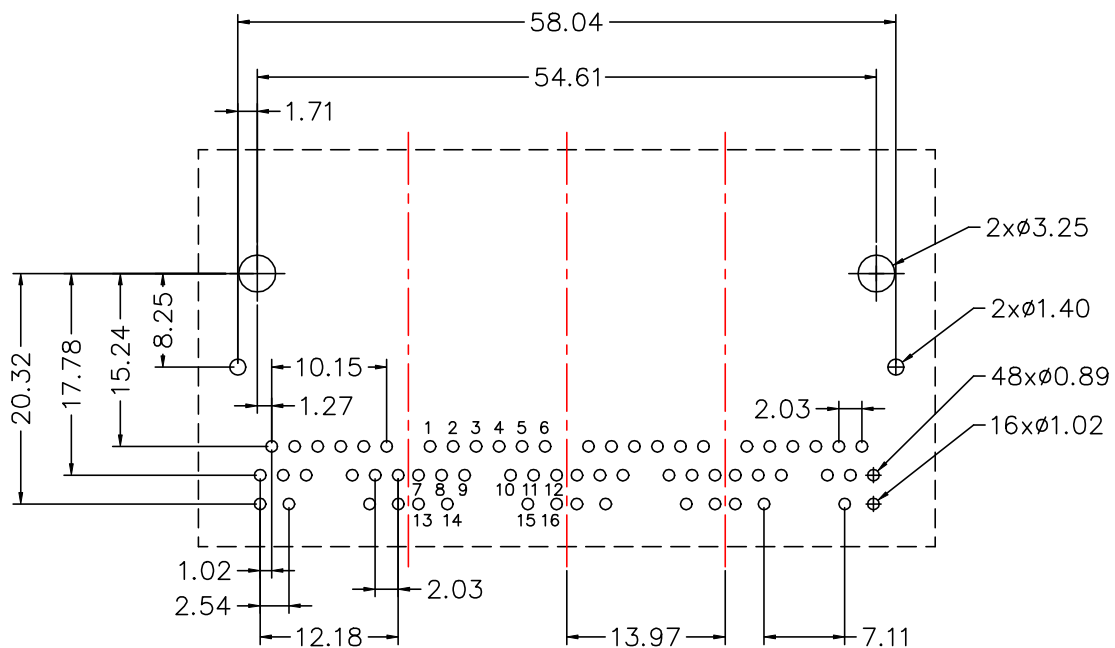
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(Bottom View)

PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are  $\pm 0.08$  unless otherwise specified

Dimensions in mm

Unless otherwise specified, Tolerance:  $.xx \pm 0.25$

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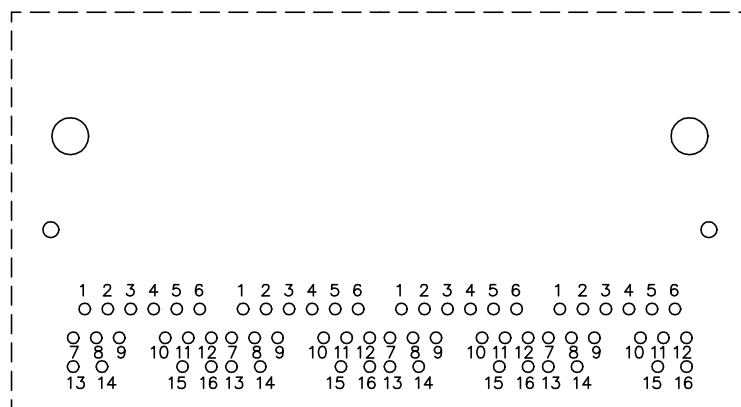
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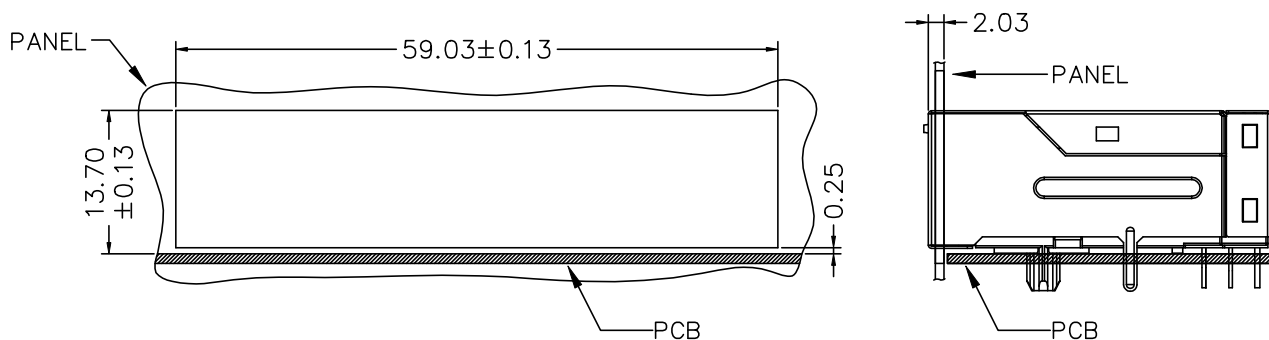
## HR911481A

### Pin Assignments:



(Component Side View)

### Suggested Panel Cutout:



### 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

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