

Single Port RJ45 Connector
with Integrated Magnetics and LED
100/1000Base-T Magnetics

Part Number:

HR911130C

Electrical Specification @25°C

Isolation: 1500Vrms (UTP Side to Chip Side)

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

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

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

Return Loss: -18dB Minimum @0.3MHz ~ 30MHz

-14dB Minimum @40MHz ~ 60MHz

-12dB Minimum @80MHz ~ 100MHz

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

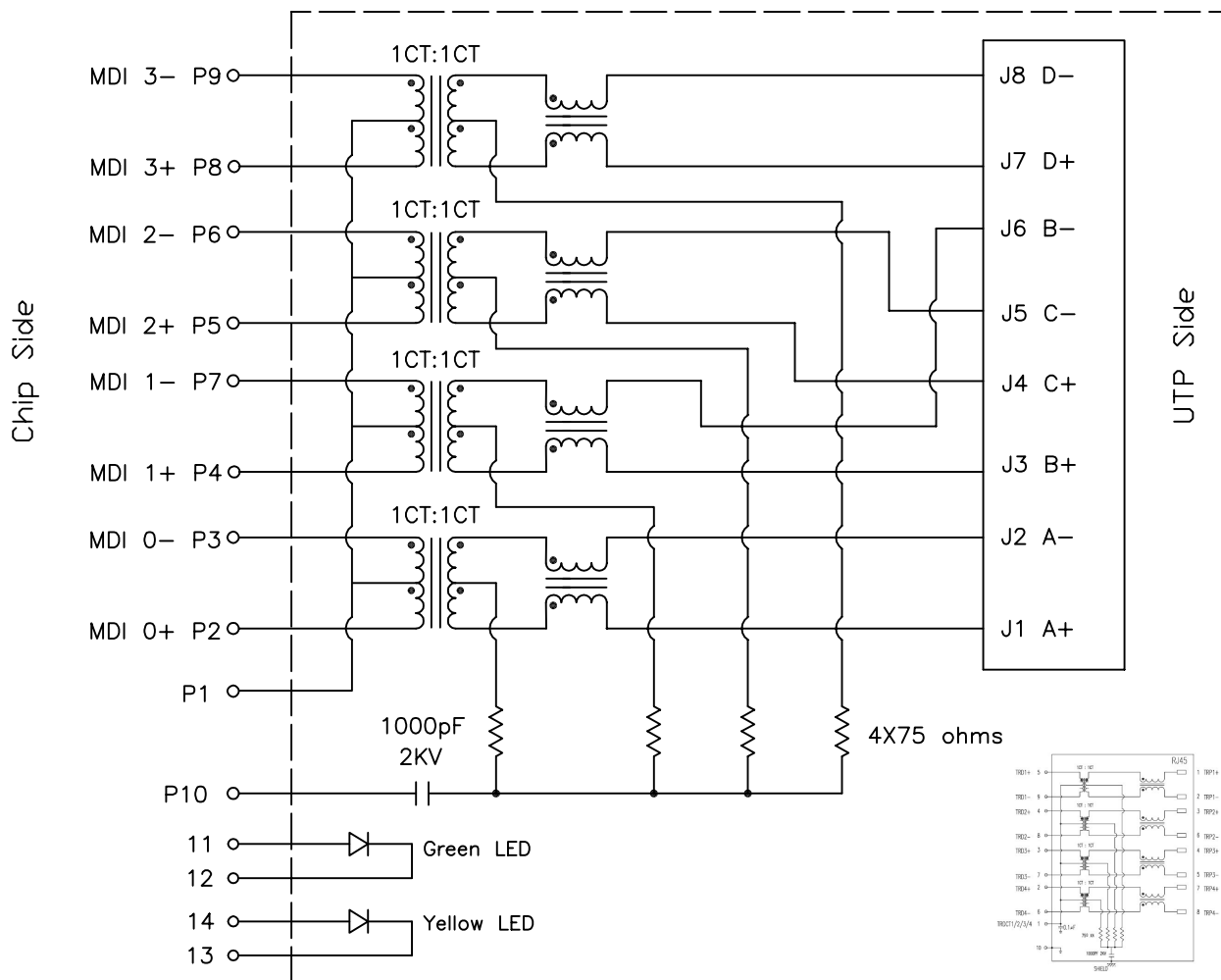
-35dB Minimum @60MHz ~ 100MHz

Crosstalk: -35dB Minimum @1MHz ~ 10MHz

-26dB Minimum @15MHz ~ 60MHz

-24dB Minimum @60MHz ~ 100MHz

Schematics



Part No.: HR911130C

Unless otherwise specified, Tolerance:

Rev: A/1

DRWN:

Date:

Dimensions in mm

.xx ±0.25

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APPD:

Date:

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with Integrated Magnetics

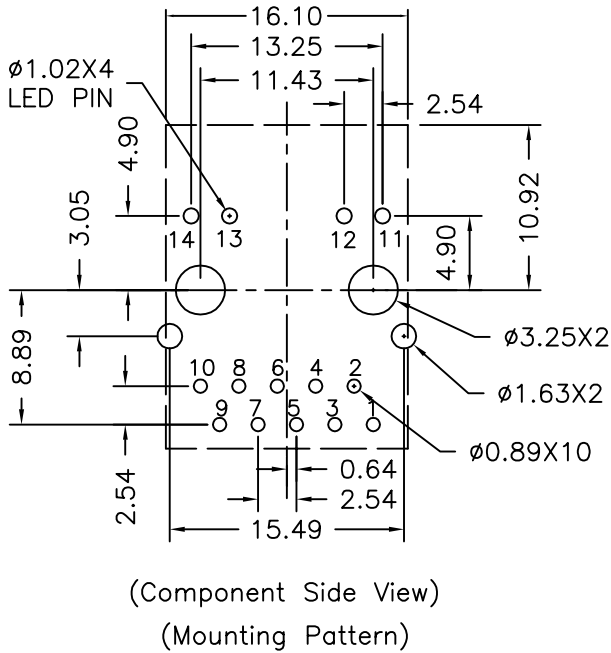
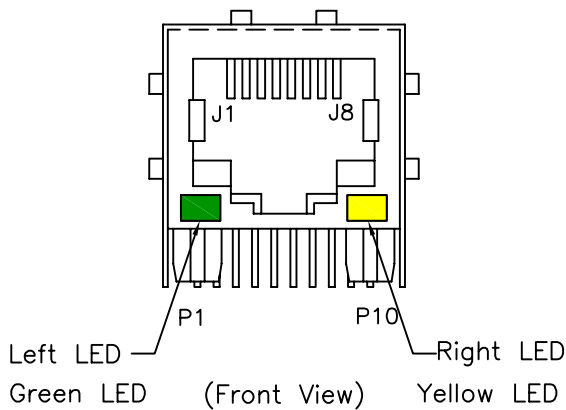
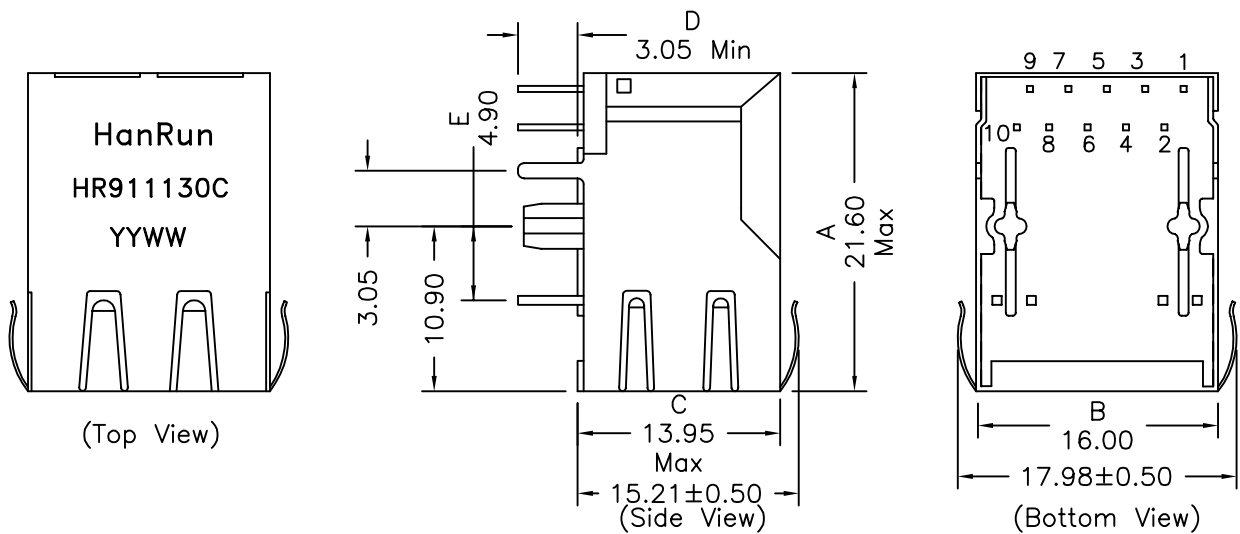


中山市汉仁电子有限公司
Hanrun Electronics Company Limited

Part Number
HR911130C (Shield Type: C)

- Meets or Exceeds IEEE802.3 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

Mechanical Dimensions:



| 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 |

| | | | | |
|---------------------|--|----------|-------|-------|
| Part No.: HR911130C | Unless otherwise specified, Tolerance: | Rev: A/1 | DRWN: | Date: |
| Dimensions in mm | .xx ±0.25 | Page 2/2 | APPD: | Date: |