

Single Port RJ45 Connector
With 10/100 Base-T Magnetics Module

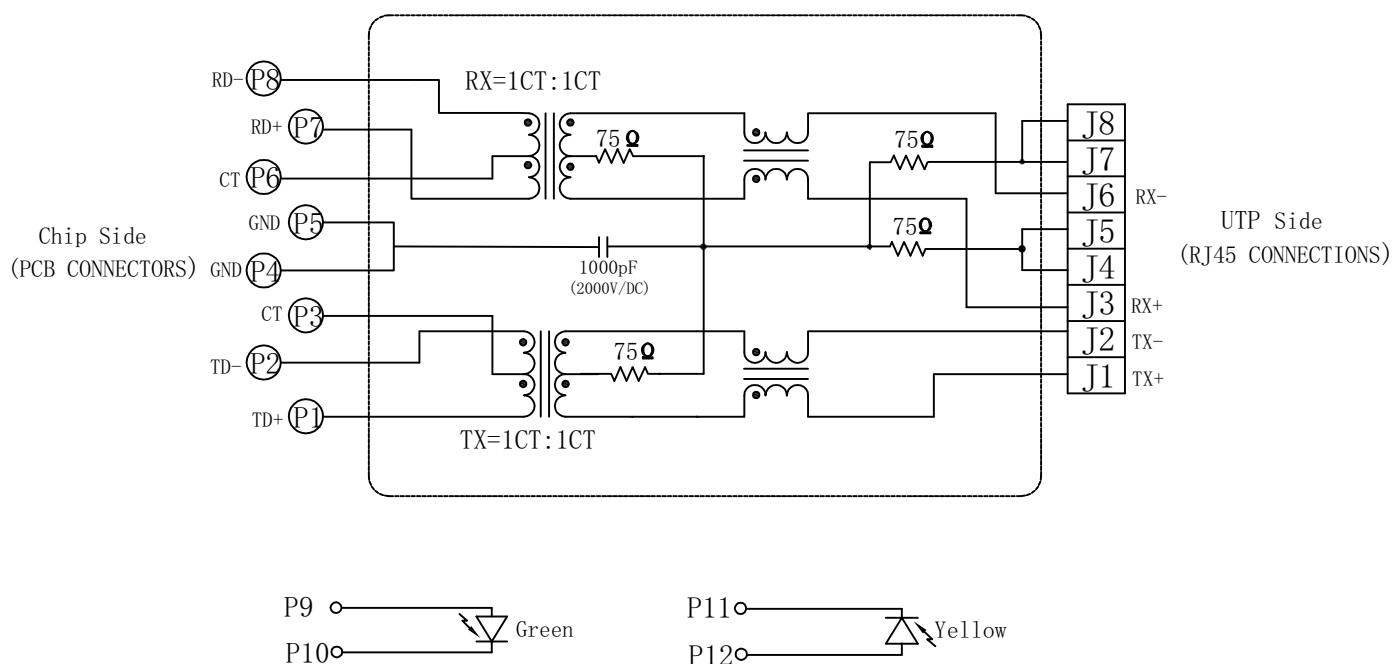
Coorle Technology

Coorle P/N: 10213XXXX

Electrical Specifications @25°C/65%RH

1. Isolation Voltage: 1500V/AC (Chip Side to UTP Side)
2. OCL: 350uH Minimum @100KHz 100mV with 8mA DC
3. Insertion Loss: -1.1dB Maximum @100KHz-100MHz
4. Return Loss:
 - 18dB Minimum @1MHz-30MHz
 - 14dB Minimum @30MHz-60MHz
 - 12dB Minimum @60MHz-80MHz
 - 10dB Minimum @80MHz-100MHz
5. Common Mode Rejection:
 - 40dB Minimum @1MHz-30MHz
 - 35dB Minimum @30MHz-60MHz
 - 30dB Minimum @60MHz-100MHz
6. Cross Talk:
 - 40dB Minimum @1MHz-30MHz
 - 35dB Minimum @30MHz-60MHz
 - 30dB Minimum @60MHz-80MHz

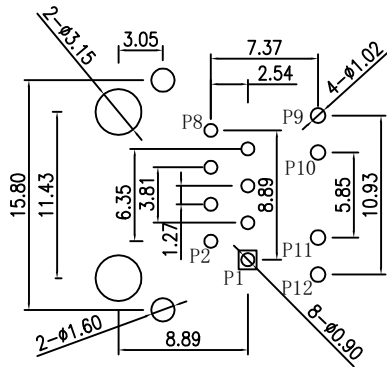
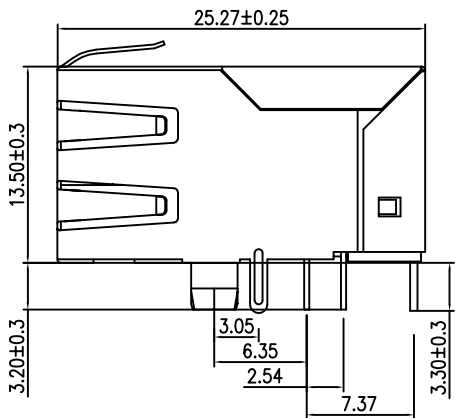
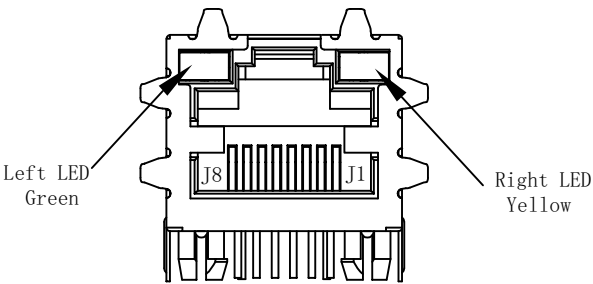
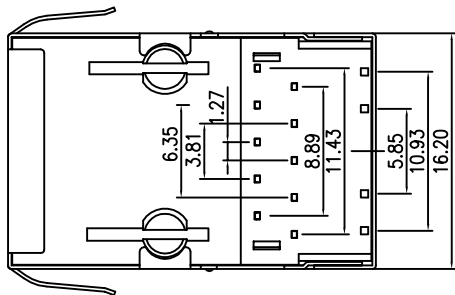
Schematics:



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- ROHS Compliant(Pb Free)
- Meets or exceeds IEEE802.3 Standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression,Crosstalk,Return Loss and Consistent Electrical
- Minimun 1500Vrms isalation 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:



P.C.B RECOMMENDED HOLE LAYOUT SEEEN FROM COMPONENT SIDE.
ALL CENTERLINE DIMENSIONS ARE BASIC

LED Specification				
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