

## 1\*1 Port RJ-45 Jack With 100/1000 Base-T Magnetics Module

## 1. Electrical Specifications:@25°C

1.1. Isolation Voltage: 1500V/AC (Input to Output)

1.2. OCL: 350uH Minimum @100KHz 100mV 8mA DC

1.3. Insertion Loss: -1.2dB Maximum @100KHz-100MHz

1.4. Return Loss: -18dB Minimum @1MHz-30MHz  
 -14dB Minimum @30MHz-60MHz  
 -12dB Minimum @60MHz-80MHz  
 -10dB Minimum @80MHz-100MHz

1.5. Common Mode Rejection: -30dB Minimum @1MHz-100MHz

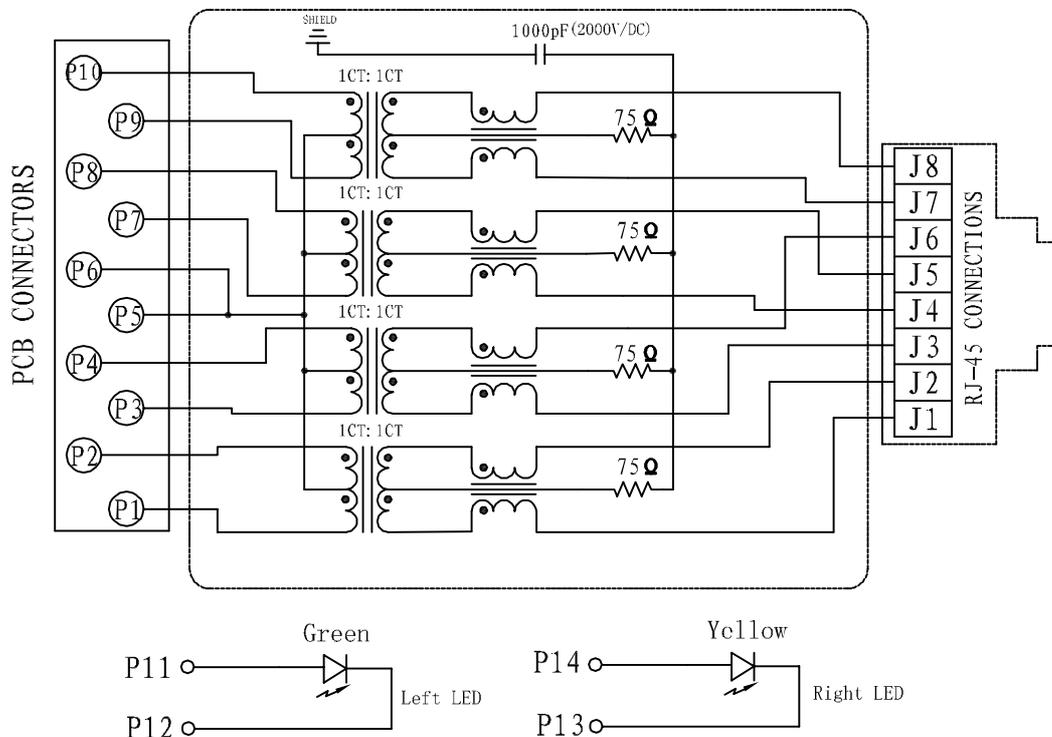
1.6. Cross Talk: -30dB Minimum @1MHz-100MHz

## 2. Operating and Storage Temperature:

2.1. Operating Temperature: -40°C to +85°C

2.2. Storage Temperature: -40°C to +85°C

## 3. Schematics:

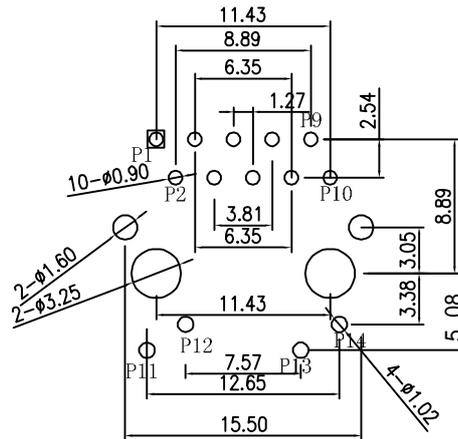
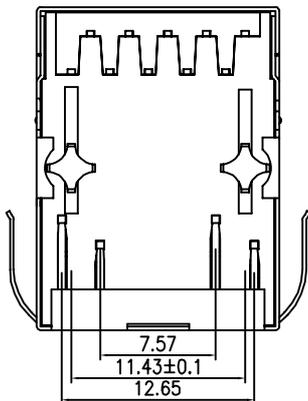
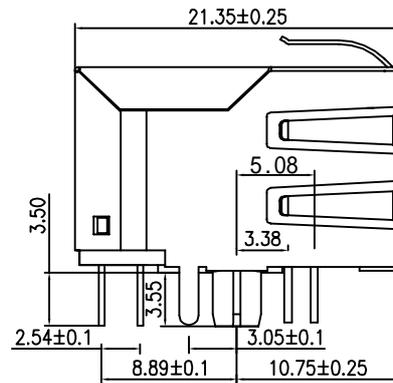
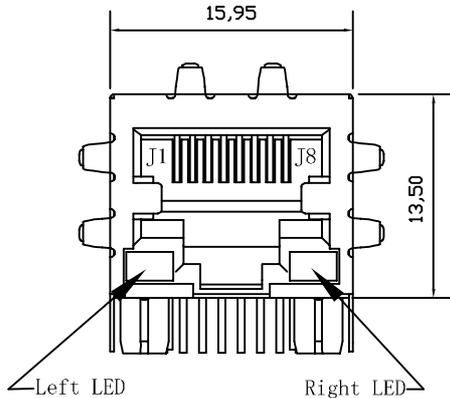
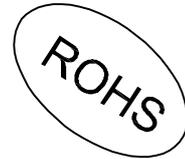


P/N: SKLA1T109-43 LF	Units: mm	Unless otherwise stated otherwise tolerances as follows: .XX ±0.25	Rev: A	Draw : Kal	Date: 2010/05/08
	Scale: None		Page: 1/2	Checked : Ansom	Date: 2010/05/08
<a href="http://www.bothhandUSA.com">http://www.bothhandUSA.com</a>			462 Boston St, Topsfield, MA 01983		Approved: Ansom Date: 2010/05/08

ROHS

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4. Mechanicals:



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

LED Specification

Standard LED Color	LED Wavelength	Forward (V MAX)	Typical (V TYP)	Luminous Intensity
Green	560-580 nm	2.5V	2.1-2.2V	9-25 MCD
Yellow	580-610 nm	2.5V	2.1-2.2V	9-30 MCD

- LED intensity/wavelength measured with Photo Research PR-650 Colormeter
- With a forward current of 20 mA, Absolute Maximum Ratings (Ta=25°C)

- Connector Material:  
Housing:Thermoplastic UL94 V-0  
Contact/Shield:Cooper alloy  
Shield Plating:Nickel  
Contact Plating:Selective gold 6u" ; 15u" ; 30u" ; 50u"Min
- Tolerances comply with F. C. C dimension requirements
- Durability:800 mating Min
- Meets or Exceeds IEEE802.3af standards including 350uH Min OCL @100KHz 100mV 8mA DC

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