

1\*1 Port RJ-45 Jack

With 10/100 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

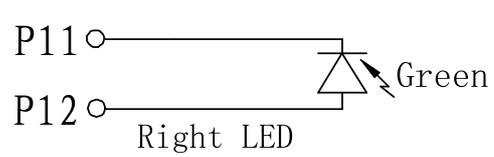
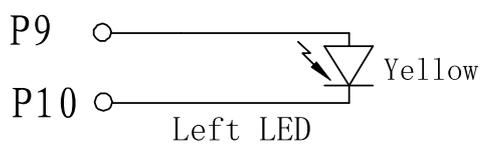
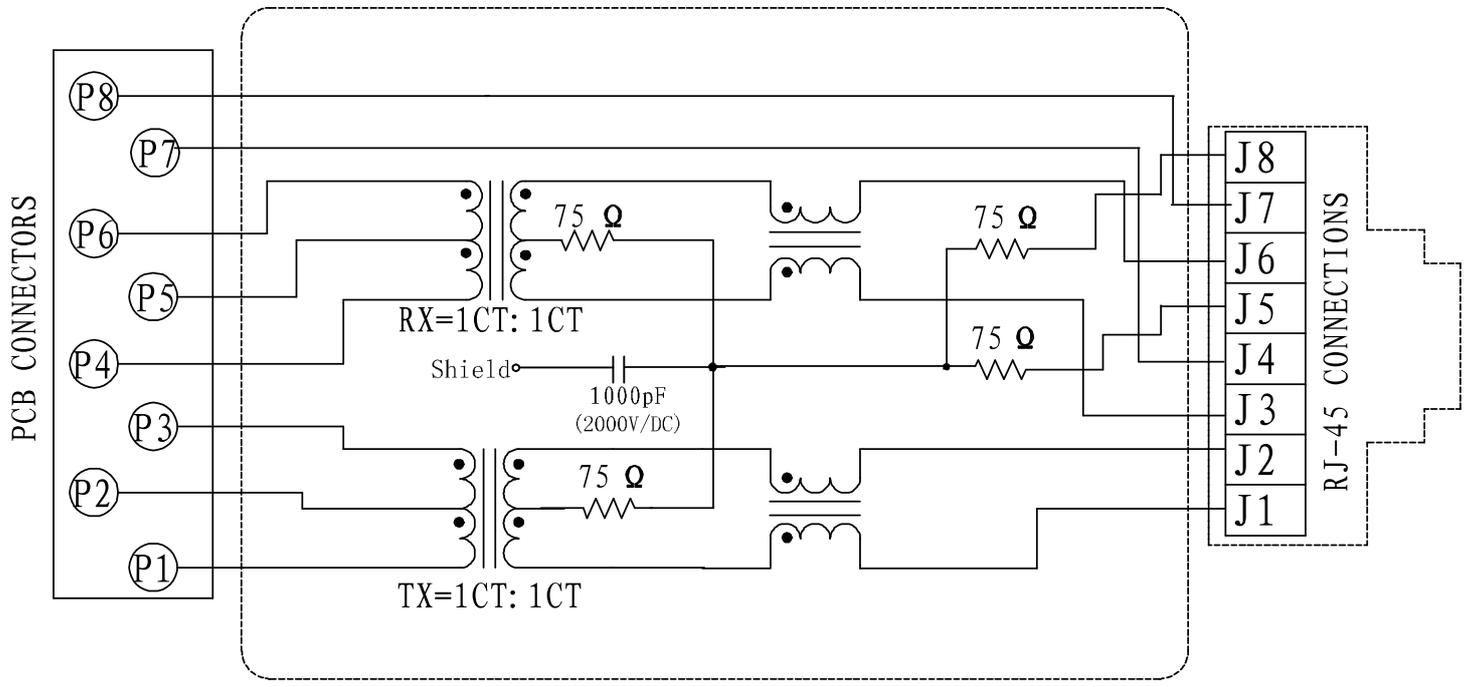
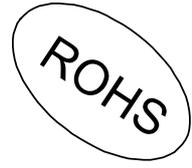
1.6. Cross Talk: -30dB Minimum @1MHz-100MHz

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:

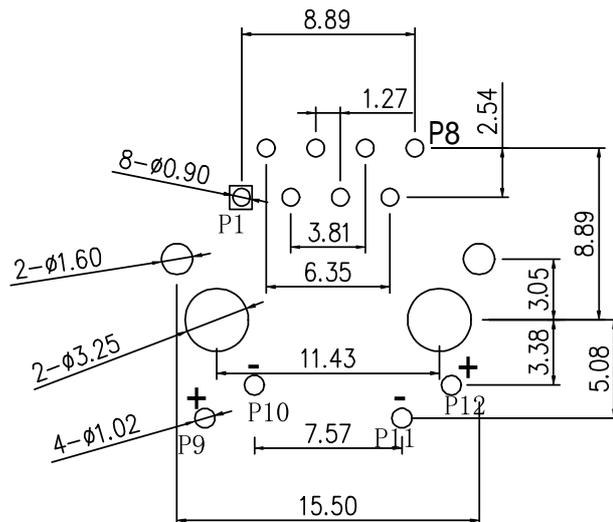
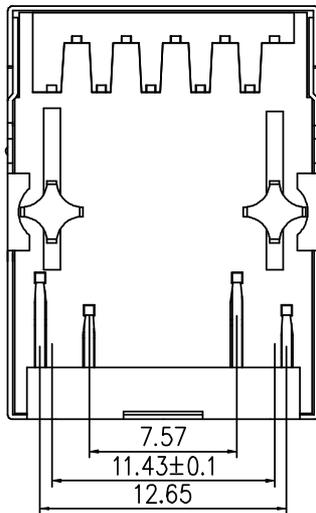
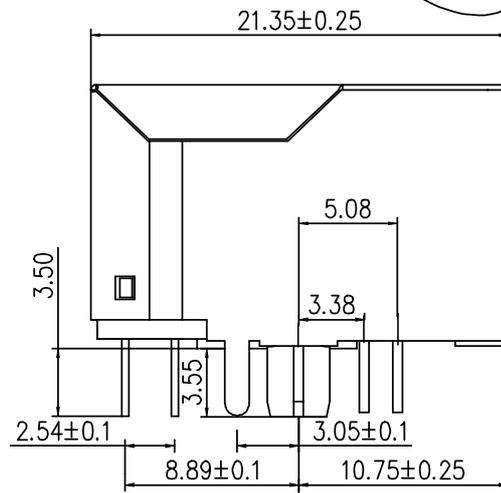
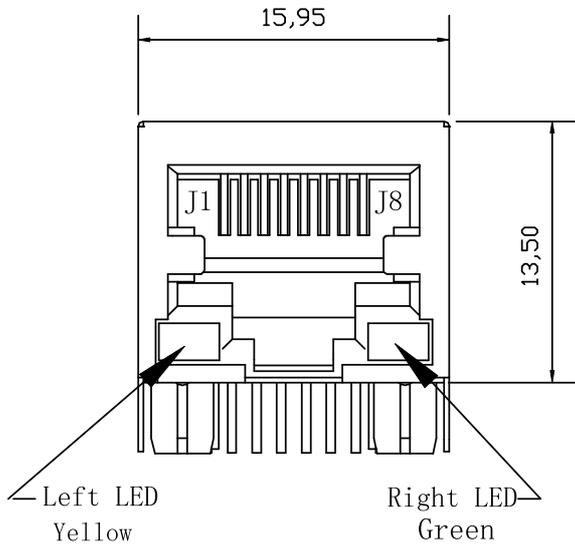


P/N: SPU1S041A-34 LF	Units: mm	Unless otherwise stated otherwise tolerances as follows: .XX ±0.25	Rev: A	Draw : Kal	Date:2010/05/08
	Scale: None		Page: 1/2	Checked : Ansom	Date:2010/05/08
<a href="http://www.bothhandUSA.com">http://www.bothhandUSA.com</a>			462 Boston St, Topsfield, MA 01983		Approved: Ansom Date:2010/05/08

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4. Mechanicals:

ROHS



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)

4.1. Connector Material:

Housing: Thermoplastic UL94 V-0

Contact/Shield: Cooper alloy

Shield Plating: Nickel

Contact Plating: Selective gold 6u"; 15u"; 30u"; 50u" Min

4.2. Tolerances comply with F.C.C dimension requirements

4.3. Durability: 800 mating Min

4.4. Meets or Exceeds IEEE802.3af standards including 350uH Min OCL @100KHz 100mV 8mA DC

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