

# 1 Port RJ-45 Jack

## With 10Base-T Magnetics Module

### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		CUT OFF Frequency (TX/RX)	Cross talk Attenuation (dB Min) TX/RX	HI-POT (Vrms)
	TX	RX			
SLF1S028	1CT:1.41	1CT:1CT	17 MHz±1.5 MHz	-30/-30	1200

### Continue

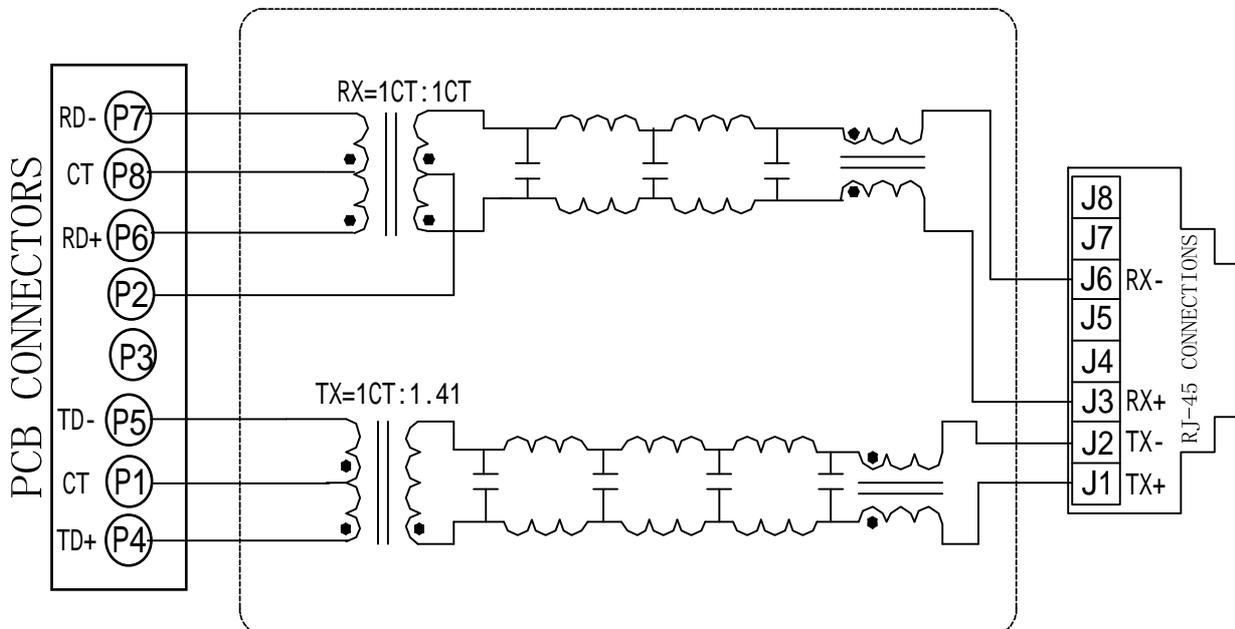
Part Number	Insertion Loss (dB Max) TX/RX	Return Loss (dB Min) TX/RX	Attenuation (dB Min) TX/RX				CMR (dB Min) TX/RX
	1-10MHz	5-10MHz	20MHz	25MHz	30MHz	40MHz	30-100MHz
SLF1S028	-1.15	-16	-5/-4.2	-18/-11	-28/-16	-33/-26	-30/-30

### 2. Operating and Storage Temperature:

2. 1. Operating Temperature: -40°C to +85°C

2. 1. Storage Temperature: -40°C to +85°C

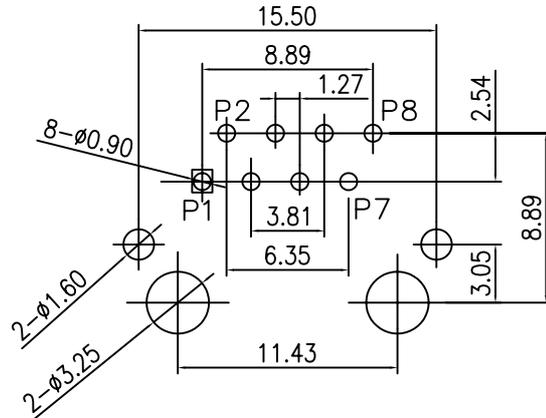
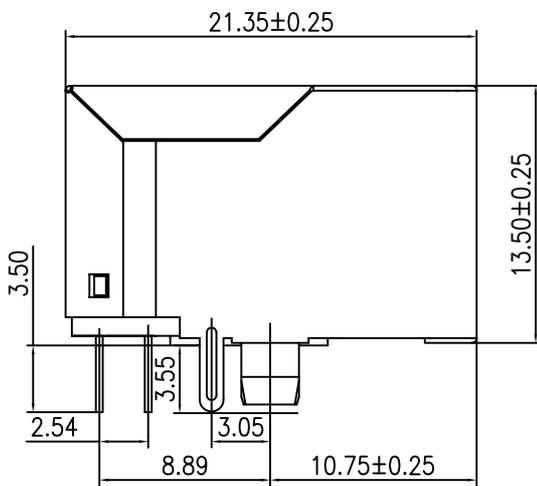
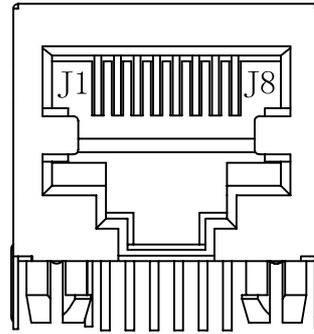
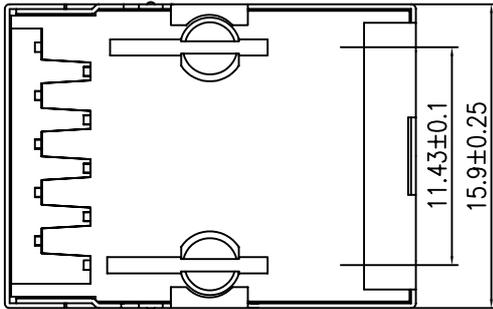
### 3. Schematics:



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## 4. Mechanicals:



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

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

P/N: SLF1S028	Units: mm	Unless otherwise stated otherwise tolerances as follows: .XXX ±0.10 .XX ±0.25 .X ± 0.35 ANG ±3°	Rev: A	Draw : Kal	Date: 2018/07/19
	Scale: None		Page: 2/2	Checked : Ansom	Date: 2018/07/19
<a href="http://www.bothhandUSA.com">http://www.bothhandUSA.com</a>			462 Boston St, Topsfield, MA 01983	Approved: Ansom	Date: 2018/07/19