

**SINGLE RJ45 CONNECTOR MONDULE WITH INTEGRATED
1000 BASE-T MAGNETICS AND LEDS**

- Isolation @ 60Hz : Input to output:1500Vrms.
- Operating temperature range: 0℃ to +70℃.
- Storage temperature range: -25℃ to +85℃.
- Recommended panel

Part Number	Standard LED	Forward*V(Max)	(TYP)
3	YELLOW	2.6V	2.1V
4	GREEN	2.6V	2.2V

*with a forward current of 20mA



Electrical Specifications @ 25℃

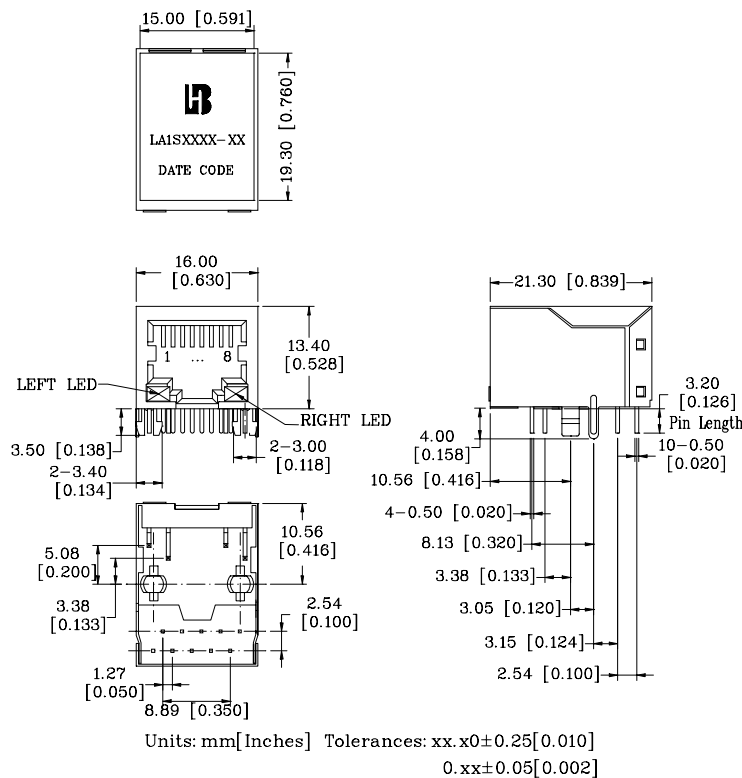
Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	Cross talk (dB Min)			HI-POT (Vrms)
	TX	RX		0.3-30MHz	30-60MHz	60-100MHz	
LA1S109-43	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100Ω				CMR (dB Min)		
	1-100MHz	1-30MHz	30-40MHz	40-50MHz	50-80MHz	1-30MHz	30-60MHz	60-125MHz
LA1S109-43	-1.0	-16	-13.5	-11.5	-10	-30	-25	-20

Mechanicals

LA1SXXXX-XX



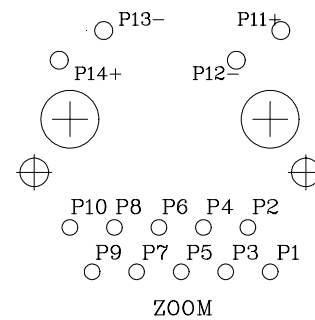
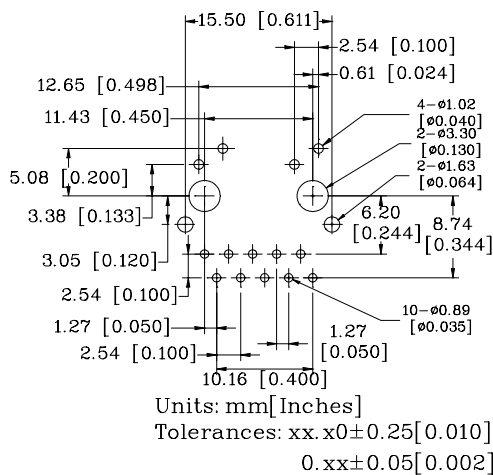
“LAN-MATE”SERIES

SINGLE RJ45 CONNECTOR MONDULE WITH INTEGRATED 1000 BASE-T MAGNETICS AND LEDS

- | | |
|---------------------|---|
| 1. Plastic Material | : Thermoplastic (UL 94V-0), Black Housing |
| 2. Metal Shield | : Brass , 20u inches thick Nickel |
| 3. Spring Wire | : 0.45mm Dia. Phosphor bronze with selective gold plating |
| 4. Solder Pin | : 0.4x0.4mm, Phosphor bronze with solder Plated |
| 5. Durability | : 300 Mating cycles Min. |

PCB Layout Mounting Hole (Top View)

LA1SXXXX-XX



Schematics

LA1S109-43

