

“LAN-MATE” SERIES

1X4 RJ45 CONNECTOR MODULE WITH INTEGRATED 10/100 BASE-TX MAGNETICS

P/N: LU4T041A LF

Page: 1/2

Feature



- RJ-45 needs to be matched FCC standard
- Complies with requirement of IEEE802.3u standards.
- RJ 45 connector with 10/100 BASE-TX magnetic.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

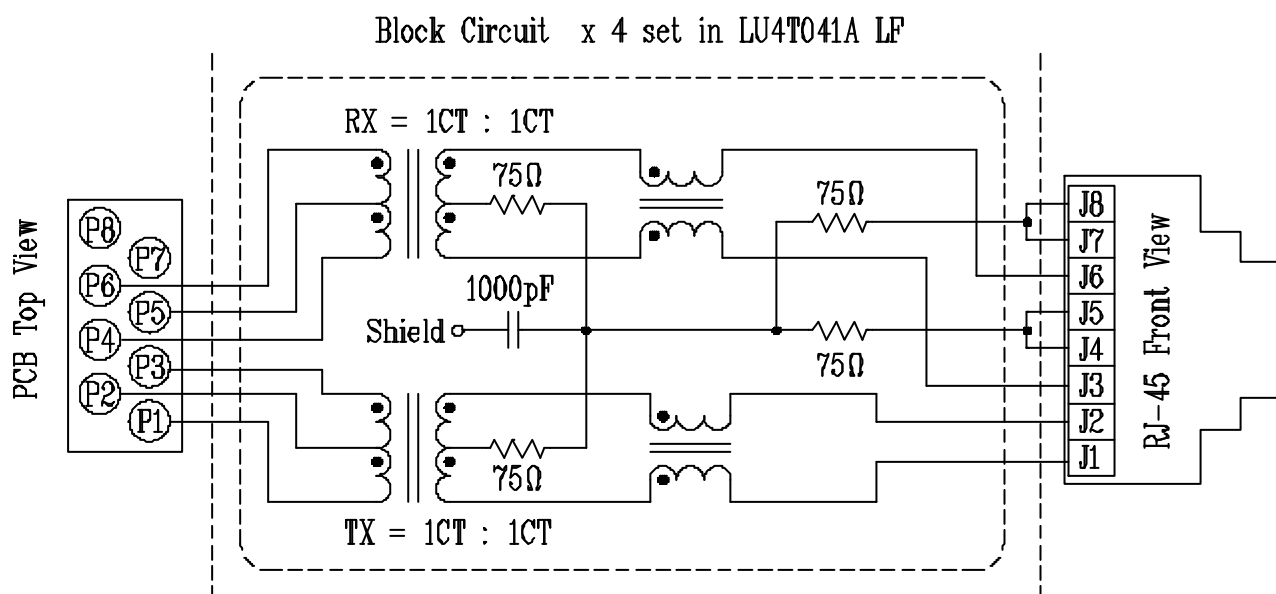
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%) TX/ RX	OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	C _{www} (pF Max)	L.L (uH Max)	Cross talk (dB Min)			HI-POT (Vrms)
					0.3-30MHz	30-60MHz	60-100MHz	
LU4T041ALF	1CT:1CT	350	28	0.4	-40	-35	-30	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					CMR (dB Min)		
	0.3-100MHz	30MHz	40MHz	50MHz	60MHz	80MHz	1-30MHz	30-60MHz	60-125MHz
LU4T041ALF	-1.15	-16	-14	-13.5	-13	-10	-30	-25	-20

Schematic



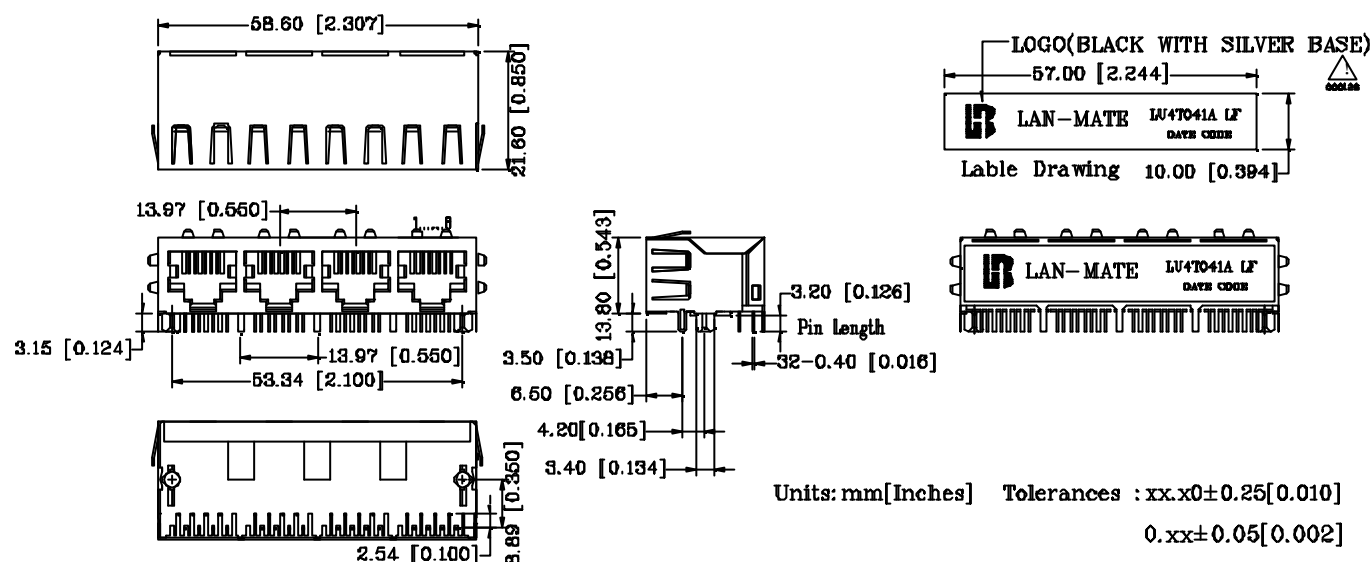
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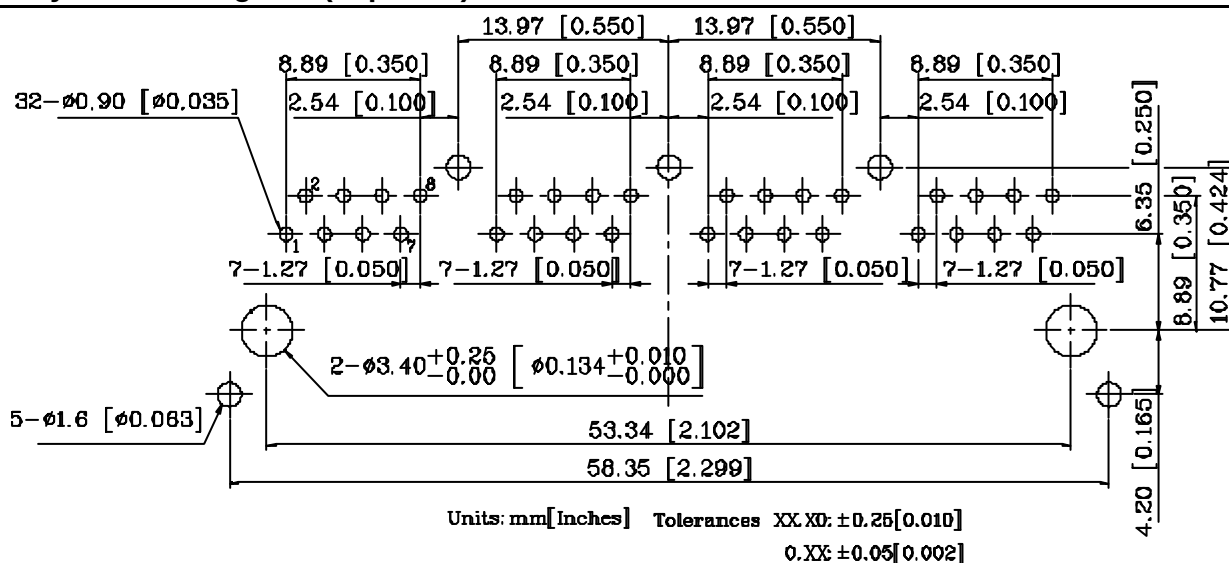
Page: 2/2

Mechanical



- | | | |
|---------------------|---|---|
| 1. Plastic Material | : | Thermoplastic (UL 94V-0), Black Housing |
| 2. Metal Shield | : | Brass, 20u" inches thick Nickel |
| 3. Spring Wire | : | Phosphor bronze with selective gold plating |
| 4. Solder Pin | : | 0.4x0.4mm, Phosphor bronze with solder Plated |
| 5. Durability | : | 750 Mating cycles Min. |

PCB Layout Mounting Hole(Top View)



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