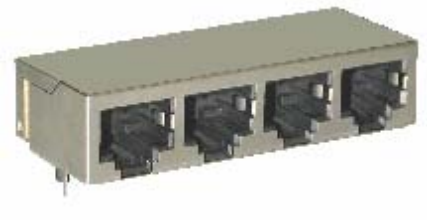
1X4 RJ45 CONNECTOR MODULE WITH INTEGRATED 10/100 BASE-TX MAGNETICS

P/N: LU4S041

Feature



- RJ-45 connector integrated with X'FMR /impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduce EMI radiation, improve EMI performance.
- Design for 100 BASE transmission over UTP-5 cable.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

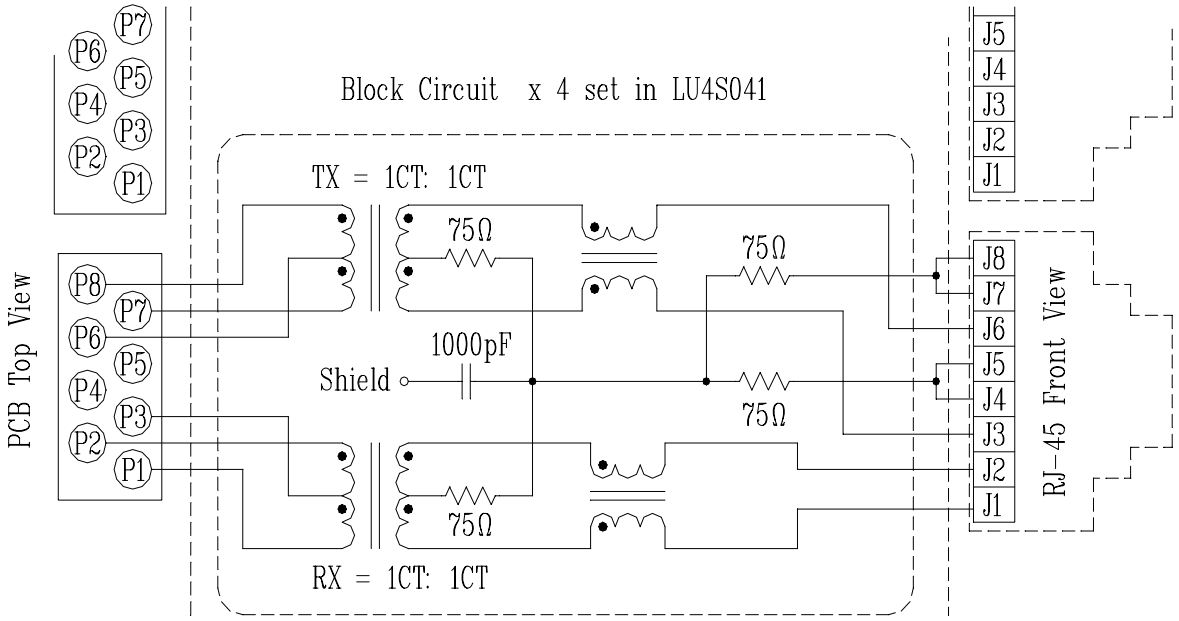
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100 KHz/0.1V with 8mA DC Bias	$C_{W/W}$ (pF Max)	L.L (uH Max)	Rise Time 10-90%(ns Typ)	Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX					0.3-100MHz	
LU4S041	1CT:1CT	1CT:1CT	350	28	0.4	2.5	-1.15	1500

Continue

Part Number	Return Loss (dB Min)					Cross talk (dB Min)			CMR (dB Min)		
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz
LU4S041	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20

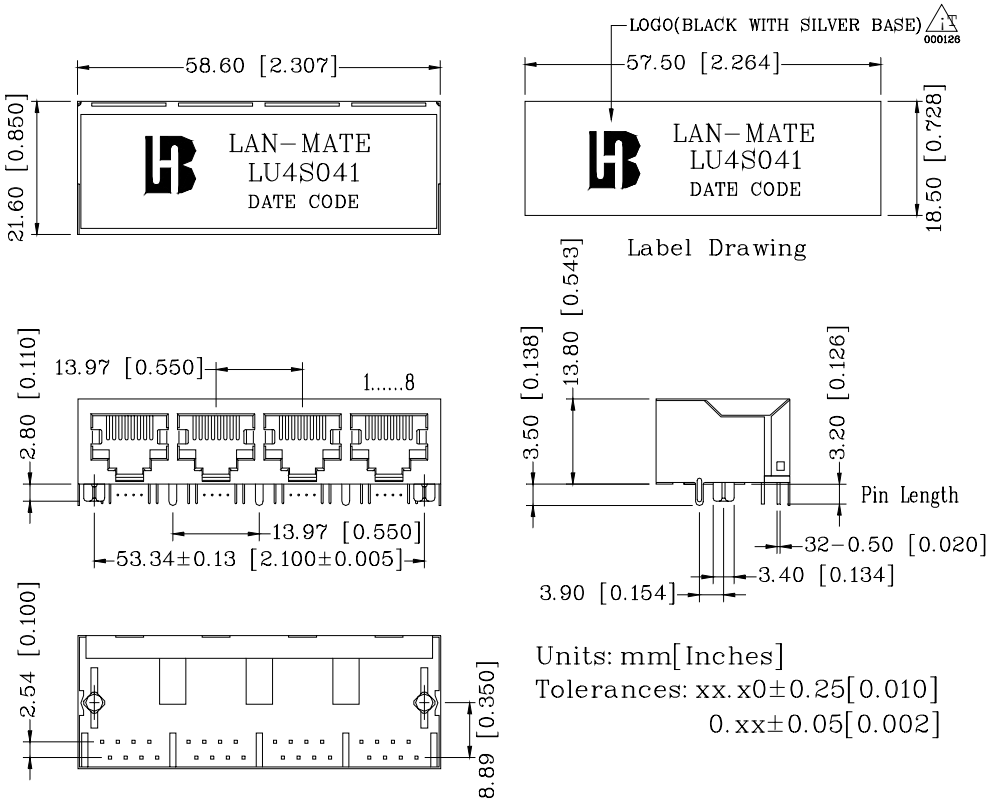
Schematic



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

P/N: LU4S041

Mechanical



1. Plastic Material	:	PBT 15% Glass Filled(UL 94V-0), Black Housing.
2. Metal Shield	:	Brass C2680-H, 20u Nickel Plated, t=0.25mm.
3. Spring Wire	:	0.45mm Dia. Phosphor bronze with 6u gold plated.
4. Solder Pin	:	0.4x0.4mm, Phosphor bronze with solder Plated.
5. Durability	:	300 Mating cycles Min.

PCB Layout Mounting Hole(Top View)

