"LAN-MATE" SERIES

SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 10/100 BASE-TX MAGNETICS AND LEDS

P/N: LU1T041X-34 LF   Page : 1/2

Feature

- Complies with requirement of IEEE802.3u standards.
- RJ 45 connector with 10/100 BASE-TX magnetic.
- Meet UL safety standard.
- Includes integrated 2 LEDS(option).
- LEDS are isolated to reduce cross talk and electro- magnetics interference.
- 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   to +70   .
- Storage temperature range: -25   to +85   .
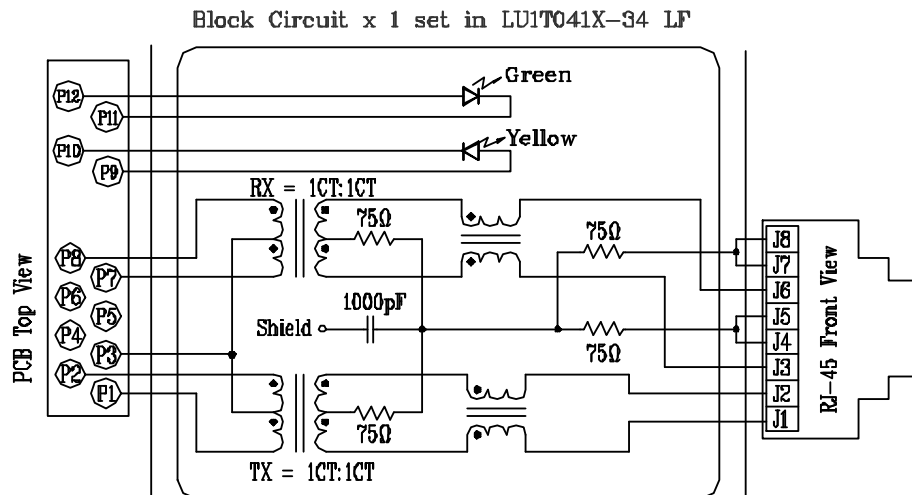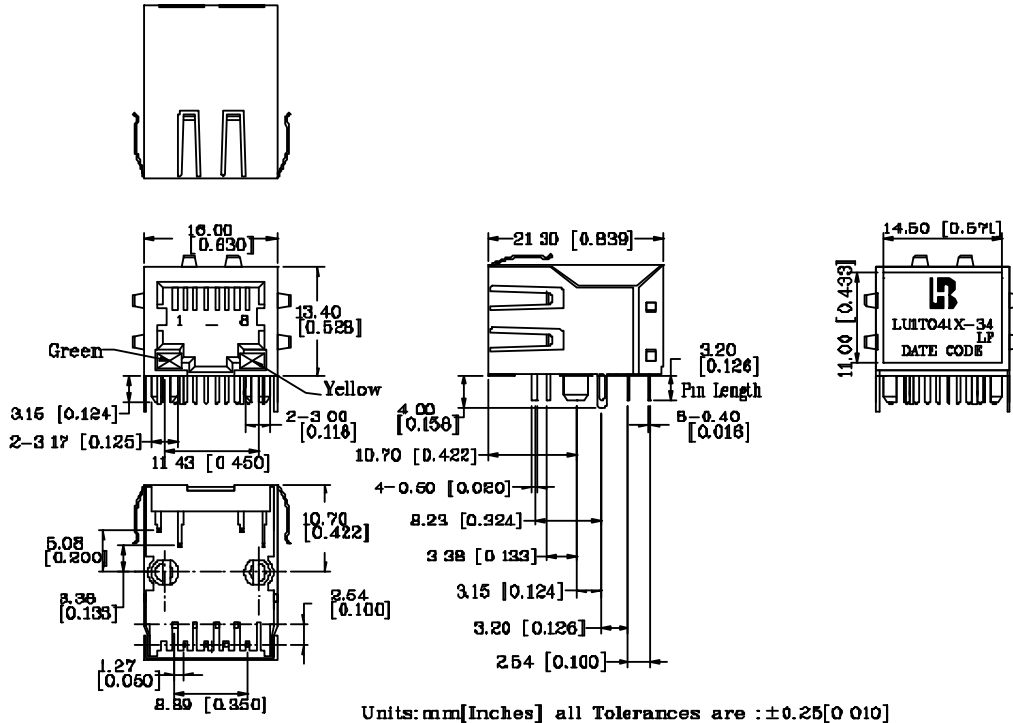- Recommended panel

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

*With a forward current 20mA

Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	C$_{WW}$ (pF Max)	L.L (uH Max)	Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX				0.3-100MHz	
LU1T041X-34 LF	1CT:1CT	1CT:1CT	350	56	0.5	-0.8	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
LU1T041X-34 LF	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20

Schematic

Block Circuit x 1 set in LU1T041X-34 LF

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Mechanical

Units: mm[Inches] all Tolerances are : ±0.25[0 010]

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)

Units: mm[Inches] all Tolerances are ±0.25[0 010]

ZOOM