

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

P/N: LU1S041C-43 LF

Feature



- 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

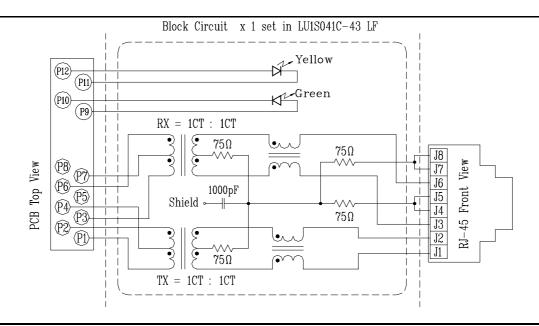
Part Number	Standard LED	Forward*V(Max)	(TYP)
4	GREEN	2.6V	2.1V
3	YELLOW	2.6V	2.2V

*With a forward current 20mA

Electrical Specifications @ 25°C									
Part Number	Turns Ratio		OCL (uH Min) @ 100KHz/0.1V	(pF Max)	L.L (uH Max)	Insertion Loss (dB Max)TX/RX	HI-POT (Vrms)		
	TX	RX	with 8mA DC Bias			0.3-100MHz			
LU1S041C-43 LF	1CT:1CT	1CT:1CT	350	28	0.4	-1.15	1500		

Continue											
Part Number	Return Loss				Cross talk			CMR			
	(dB Min)TX/RX				(dB Min)TX/RX			(dB Min) TX/RX			
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz
LU1S041C-43 LF	-16	-14	-13.5	-13	-10	-40	-35	-30	-30	-25	-20

Schematic

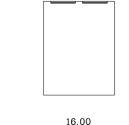


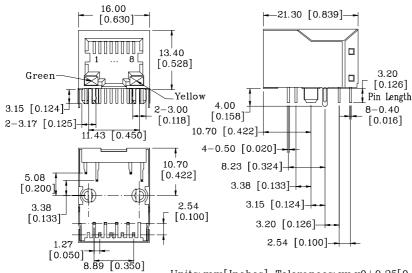


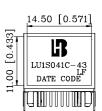
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Mechanical







Units: mm[Inches] Tolerances: $xx.x0\pm0.25[0.010]$ $0.xx\pm0.05[0.002]$

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)

