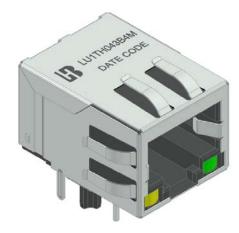
"LAN-MATE" SERIES Description: 10/100 Base-T RJ45 1x1 Integrated

Magnetics Connector P/N: LU1TH043B4M



Feature



- Complying with requirement of IEEE 802.3u standards.
- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Design for 10/100 BASE transmission over UTP-5 cable
- Complying with ROHS requirements.
- Operating temperature range: -40° C to $+85^{\circ}$ C.
- Storage temperature range: -40°C to +85°C.
- Recommended panel

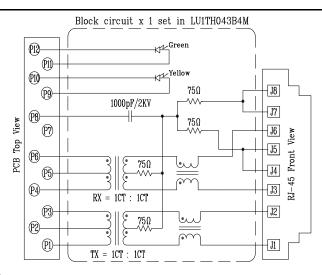
LED	Forward*V(Max)	(TYP)
YELLOW	2.5V	2.1V
GREEN	2.4V	2.2V

*With a forward current of 20mA

Electrical Specifications @ 25°C						
Dort	Turns Ratio		OCL (uH Min)	Cross talk		
Part Number	(±2%)		@ 100KHz/0.1V	(dB Min)	HI-POT	
	TX	RX	with 8mA DC Bias	1-100MHz		
LU1TH043B4M	1CT: 1CT	1CT: 1CT	350	-40	DC2250V/1mA	

Continue							
Insertion Los		Return Loss		CMR			
Part Number	(dB Max)	(dB Min)	(dB Min)				
	1-100MHz	1-30MHz	60-80MHz	1-100MHz			
LU1TH043B4M	-1.1	-18	-12	-35			

Schematic



https://www.bothhandww.com

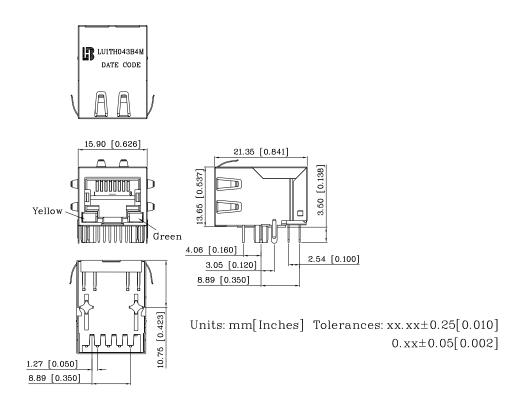
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"LAN-MATE" SERIES Description: 10/100 Base-T RJ45 1x1 Integrated

Magnetics Connector P/N: LU1TH043B4M



Mechanical



1. Plastic Material : Thermoplastic (UL 94V-0), Black Housing

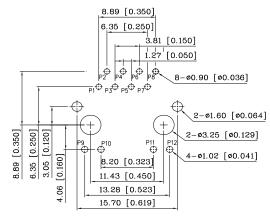
2. Metal Shield : Brass, 20u" inches thick Nickel

3. Spring Wire : Phosphor Bronze with gold plated & Nickel

4. Solder Pin : Phosphor Bronze with solder Plated

5. Durability : 750 Mating cycles Min.

PCB Layout Mounting Hole(Top View)



Unless otherwise specified, all dimension tolerance are: $\pm 0.08[\pm 0.003]$

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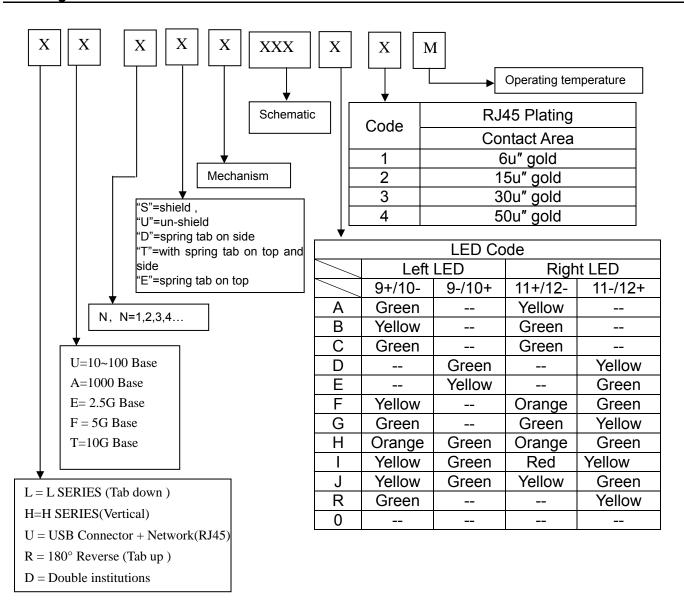
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"LAN-MATE" SERIES Description: 10/100 Base-T RJ45 1x1 Integrated

Magnetics Connector P/N: LU1TH043B4M



Ordering Information



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