

Bothhand USA LU1S515 LF(M) RJ45 MODULE

Datasheet

<http://www.manuallib.com/bothhand-usa/lu1s515-lf-m-rj45-module-datasheet.html>

RJ-45 needs to be matched FCC standard

RJ-45 connector integrated with X'FMR /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 100 BASE transmission over UTP-5 cable.

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 +125.

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“LAN-MATE” SERIES

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

P/N: LU1S515 LF

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Feature

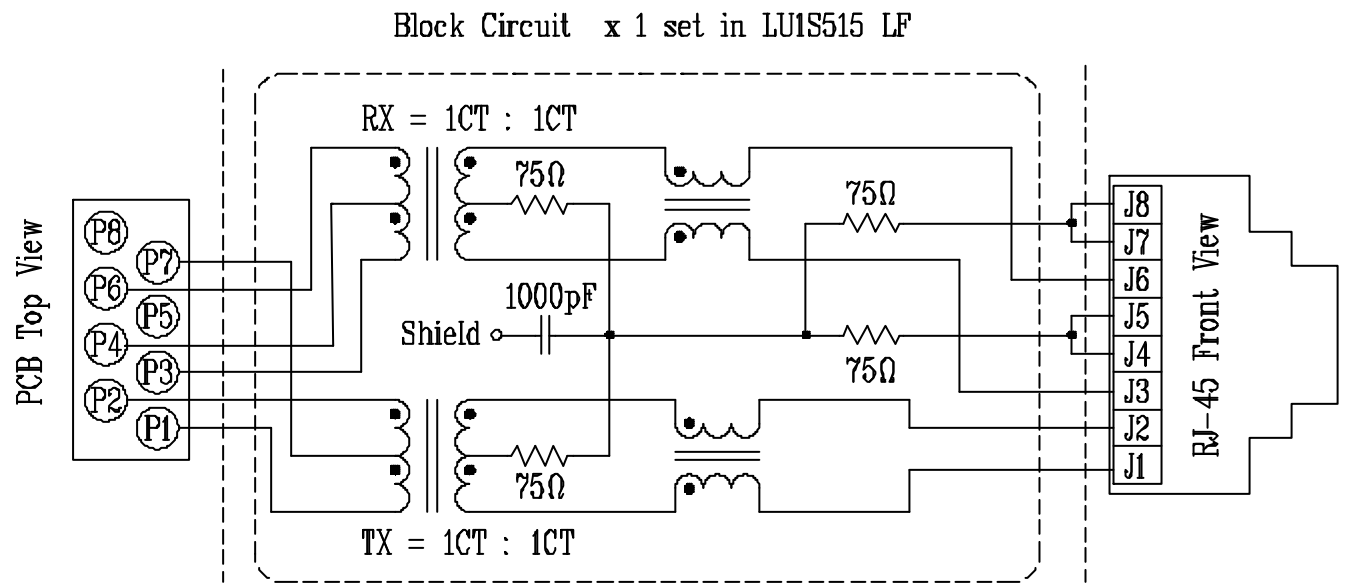


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Electrical Specifications @ 25°C								
Part Number	Turns Ratio (±5%) TX/RX	OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	C _{www} (pF Max)	L.L (uH Max)	Cross talk (dB Min)			HI-POT (Vrms)
					0.3-30MHz	30-60MHz	60-100MHz	
LU1S515 LF	1CT:1CT	350	28	0.4	-40	-35	-30	1500

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					CMR (dB Min)		
		30MHz	40MHz	50MHz	60MHz	80MHz	1-30MHz	30-60MHz	60-125MHz
LU1S515 LF	-1.15	-16	-14	-13.5	-13	-10	-30	-25	-20

Schematic



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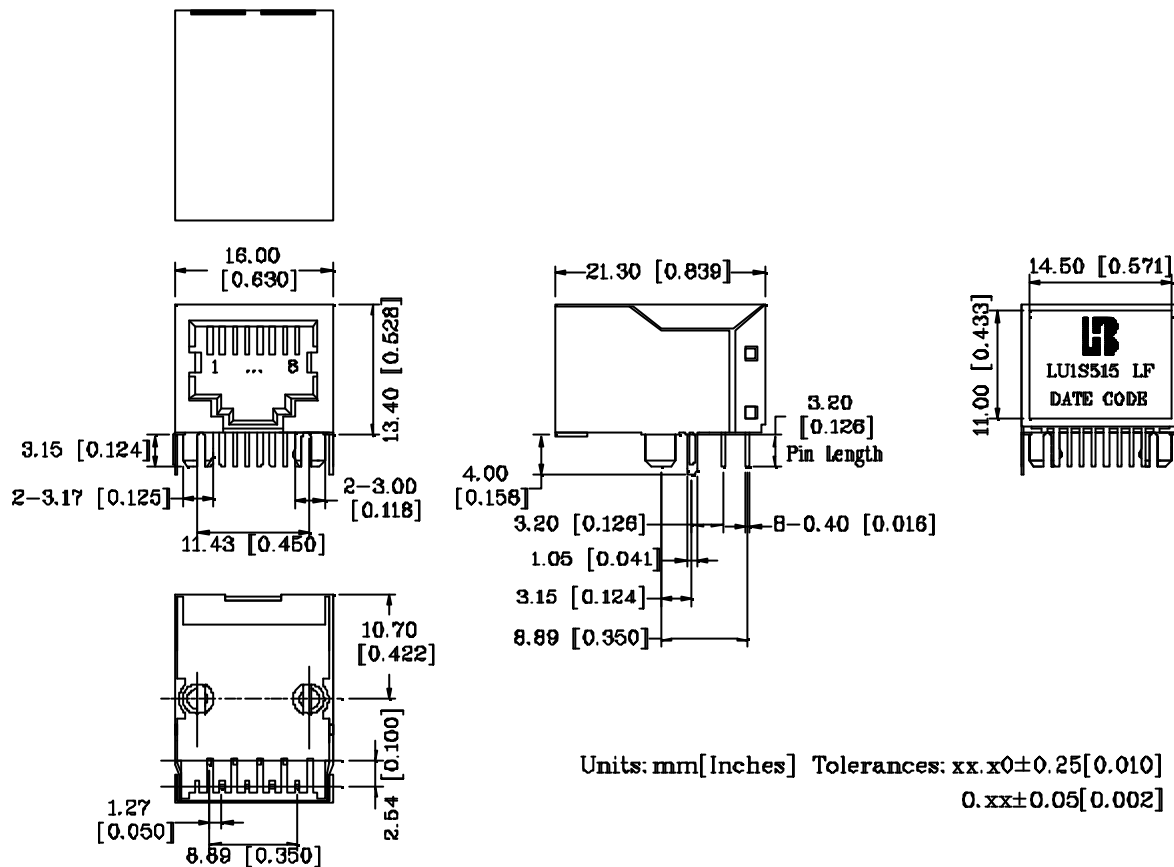
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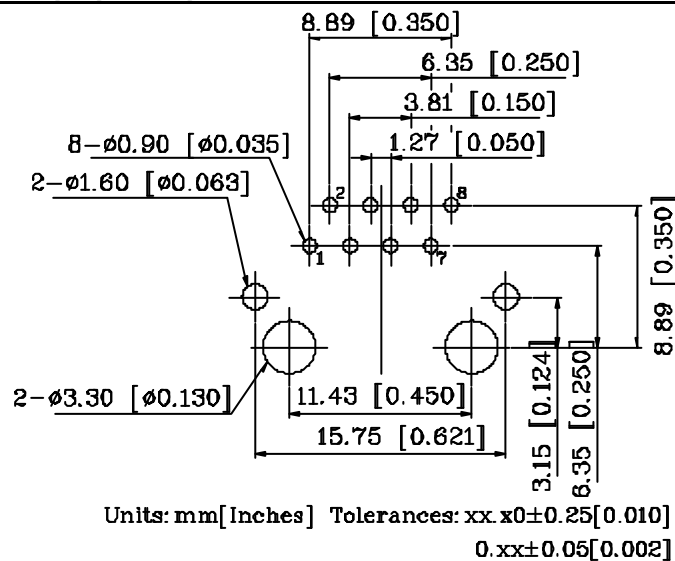
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Mechanical



- | | |
|---------------------|---|
| 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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