

“LAN-MATE” SERIES

SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 10 BASE T MAGNETICS & FILTER

P/N : LF1S028

Page : 1/2

Feature

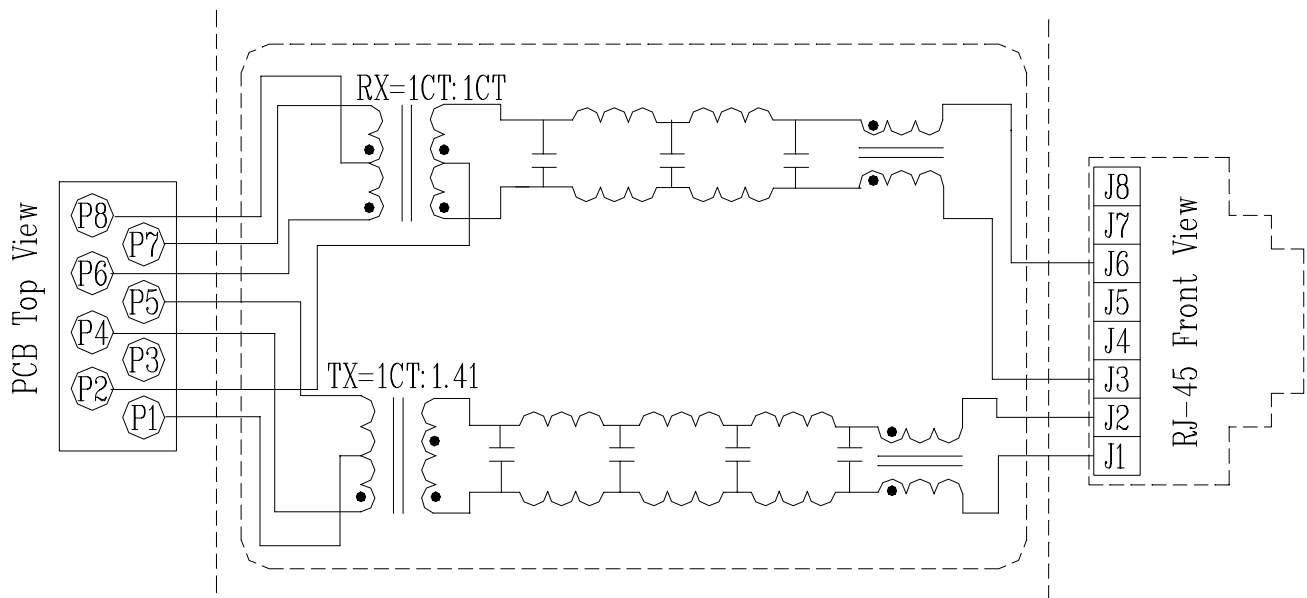


- RJ-45 connector integrated with filter .
- Size same as RJ-45 connector to save PCB Board space.
- Reduce EMI radiation, improve EMI performance.
- Complies with IEEE 802.3 standards.
- Operating temperature range: 0°C to +70°C .
- Storage temperature range: -25°C to +125°C .

Electrical Specifications @ 25°C						
Part Number	Turns Ratio (±5%)		Type (POLE)		CUT OFF Frequency (TX/RX)	Voltage isolation (Vrms)
	TX	RX	TX	RX		
LF1S028	1CT:1.41	1CT:1CT	7	5	17 MHz±1.5 MHz	1200

Continue								
Part Number	Insertion Loss TX/RX(dB Max.)	Return Loss TX/RX(dB Typ)	Attenuation TX/RX(dB Max)				Cross talk Attenuation TX/RX(dB Min)	Common Mode Rejection TX/RX (dB Min)
	1-10MHz	5-10MHz	20MHz	25MHz	30MHz	40MHz	1-10MHz	30-100MHz
LF1S028	-1.15	-17	-5/-4.2	-18/-11	-28/-16	-33/-26	-30/-30	-30/-30

Schematic



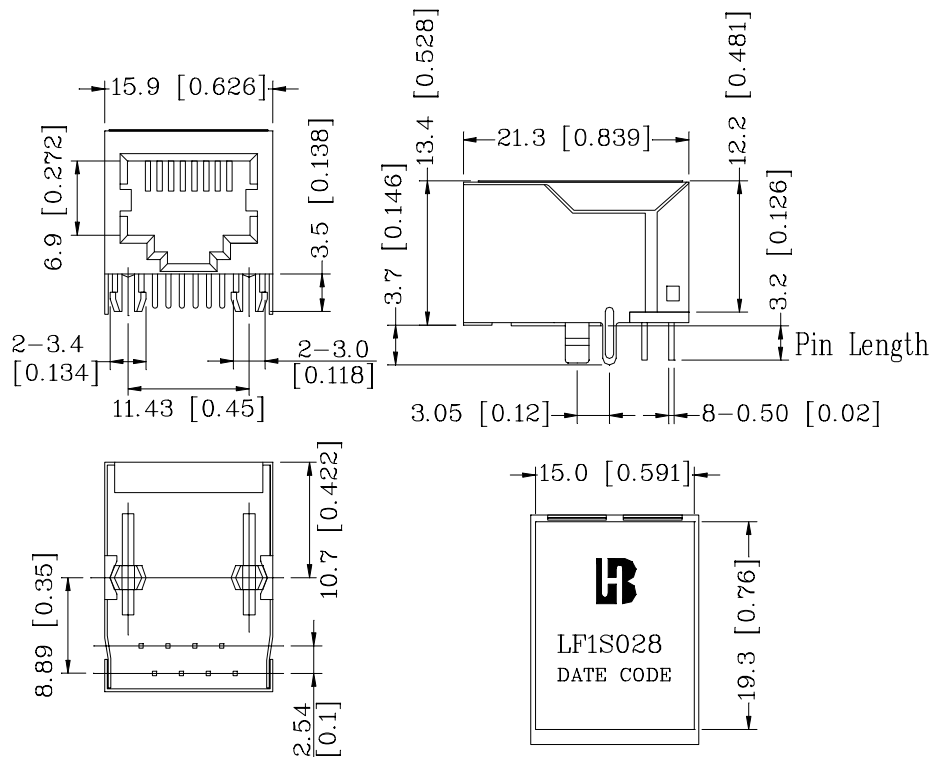
“LAN-MATE” SERIES

SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 10 BASE T MAGNETICS & FILTER

P/N : LF1S028

Page : 2/2

Mechanical

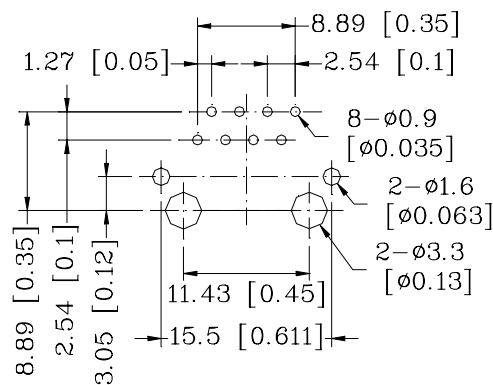


Units : mm[Inches] Tolerances : 0.X ±0.25[0.01]

0.xx ±0.05[0.002]

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)



Units : mm[Inches]

Tolerances : 0.X ±0.25[0.01]

0.xx ±0.05[0.002]