**SINGLE RJ45 CONNECTOR MODULE WITH INTEGRATED 10 BASE T MAGNETICS**

**P/N : LT1T023C**

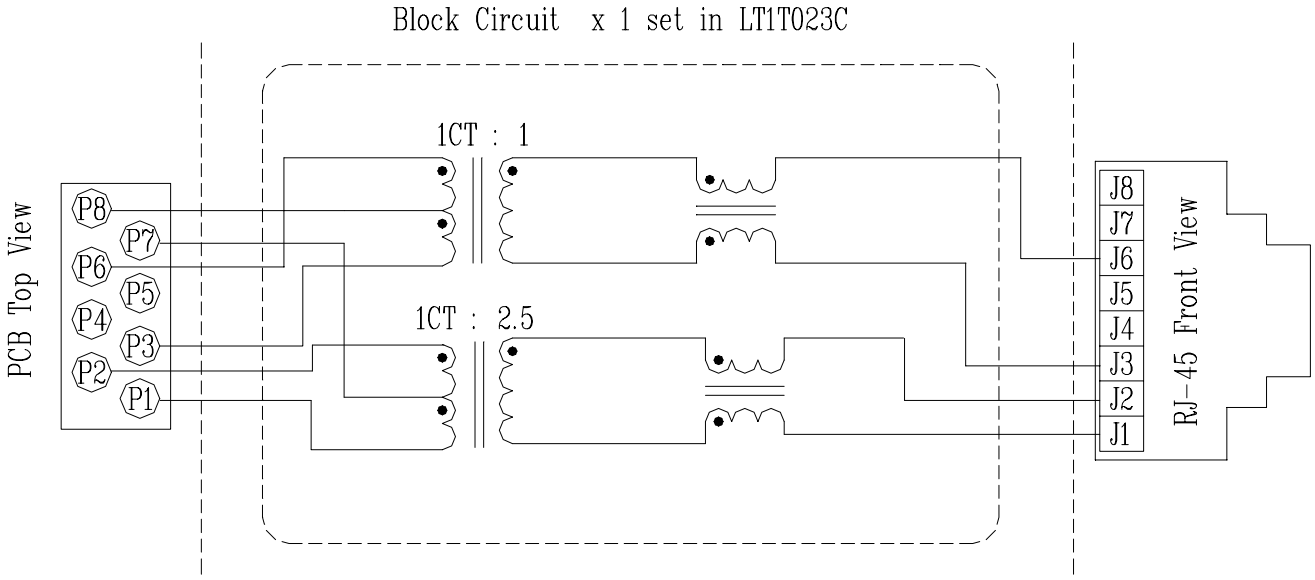


## Feature

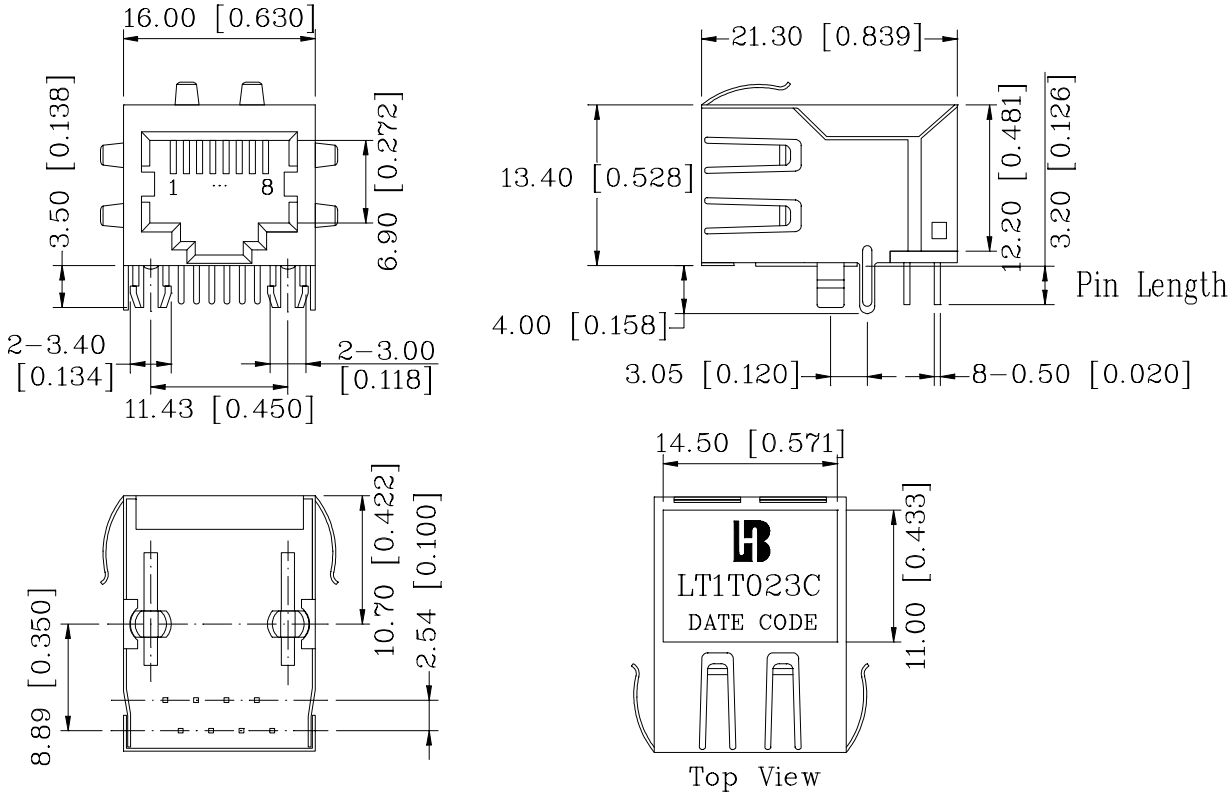
- RJ-45 connector integrated with X'FMR.
- Size same as RJ-45 connector to save PCB Board space.
- Reduce EMI radiation, improve EMI performance.
- Complies with IEEE802.3 standards.
- Operating temperature range: 0℃to +70℃.
- Storage temperature range: -25℃to +125℃.

| Electrical Specifications @ 25°C | | | | | | | |
|---|---|---|---|---|---|---|---|
| Part Number | Turns Ratio (±5%) | | OCL (uH Min) @ 100KHz/0.1V TX/RX | L.L (uH Max) | $C_{w/w}$ (pF Max) | PRI Pins | HI-POT (Vrms) |
| | TX | RX | | | | | |
| LT1T023C | 1CT:2.5 | 1CT:1 | 35/200 | 0.4 | 15 | (P1-P2)& (P3-P6) | 1500 |

## Schematic



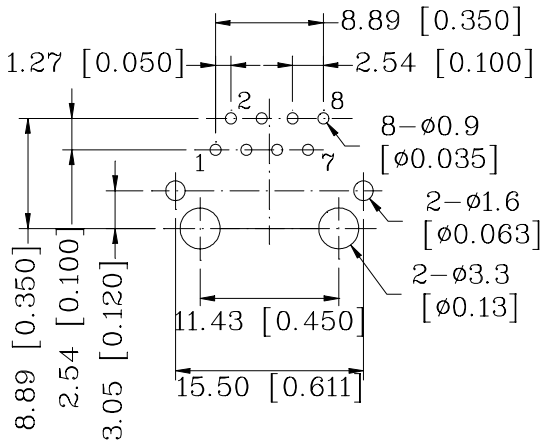
## Mechanical




Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
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)

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