

RJ45, magnetics

SRJ110010TVU081M

Description

The SRJ110010TVU081M is a RJ45 connector with 10/100/1000 Base-T and integrated magnetics.

The connector is designed to support application such as SOHO (ADSL modems), LAN-on-Motherboards(LOM), Hub and

Switches. **Typical applications**

- Ethernet
- Network Switch
- Network Hub
- Modems



Features

Mechanical Properties

Description

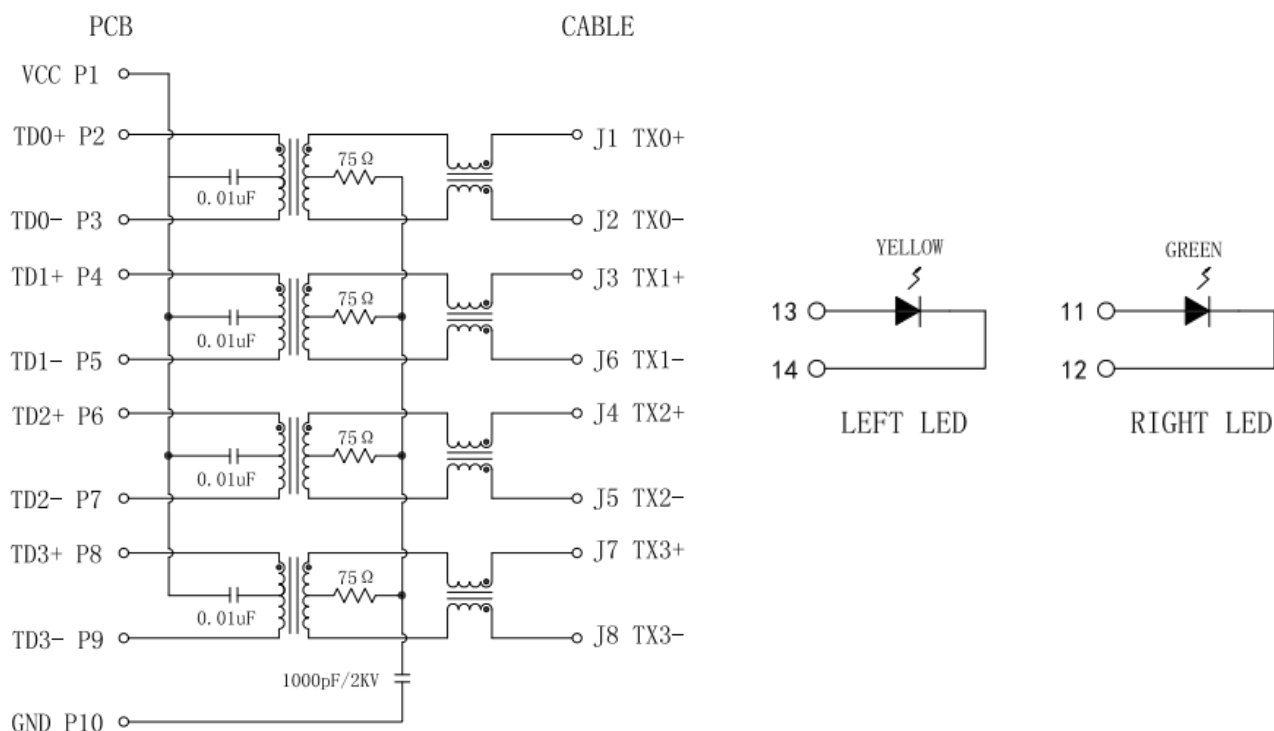
Speed	10/100 /1000 Base-T
Number of ports	Single
Latch	Up
Shield EMI Tabs	Excluded
Pin type	THT
Application-Lan	Ethernet (NoN PoE)
Led	Included, 2 pcs
Color	Yellow / Green
Housing material	Thermoplastic UL94V-0
Contact material	Copper Alloy
Pin material	Copper Alloy
Shield Plating material	Nickel
Contact Plating material	Gold 6 Micro-Inches Min.
Operating Temperature	0°C~70°C
Wave Peak Soldering	+260°C Max. 5 sec Max.
Dimensions	21.56 x 16.51 x 15.95 mm ± 0.1

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Electrical Properties	Description
Turn Ratio ($\pm 3\%$)	1CT : 1CT
Inductance OCL	350uH Min. @100KHz , 0.1V 8mA DC Bias
Insertion Loss	-0.5dB Min. @1-65MHz -0.8dB Min. @65-100MHz -1.2dB Min. @100-125MHz
Return Loss	-16dB Min. @1-30MHz -13.5dB Min. @30-40MHz -11.5dB Min. @40-50MHz -10dB Min. @60-80MHz
Cross Talk	-30dB Min. @1-100MHz
Common Mode Rejection	-30dB Min. @1-100MHz
Hipot Test	1500Vrms

Electrical



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