

Single 10 BASE-TX Filtered Connector Module MODEL NO. : RJLB-066TC1

Feature:

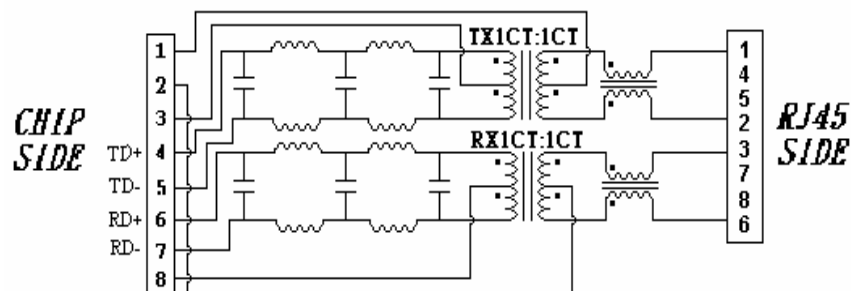
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- Fully shielded magnetics protect data from internally generated digital noise
- Reduces the overall length of the signal path for improved common mode performance
- Implements full common mode termination scheme with used and unused twisted pairs
- Meets IEEE802.3 Baseline Wander Compensation specification
- Integrates high voltage capacitor to chassis ground
- Supports all major transceivers with matched turns ration and complete integration of specified termination
- Design for 100base-tx transmission over UTP-5 cable
- Operating TEMP. range:-40 to +85
- Storage TEMP. range:-55 to +125
- Primary OCL inductance: 350μH MIN. at 100KHz/0.1Vrms 8mA DC bias
- With the LED lamp.

Typical Performance Characteristics@ 25

Insertion Loss TX/RX (dB MAX)	Return Loss TX/RX (dB Min @100)	Differential to Common Mode Rejection (dB MIN)	Attenuation TX/RX (dB MAX)				Cross talk TX/RX (dB MIN)	CMRR TX/RX (dB MIN)	Isolation Voltage (Vrms min)
			MHz	MHz	MHz	MHz			
1-10	5-10	0.3~100	20	25	30	40	1-10	30~100	1200
-1.0	-13.5	-35	-5/-4.2	-18/-11	-28/-16	-33/-26	-30/-30	-30/-30	

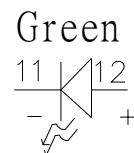
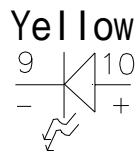
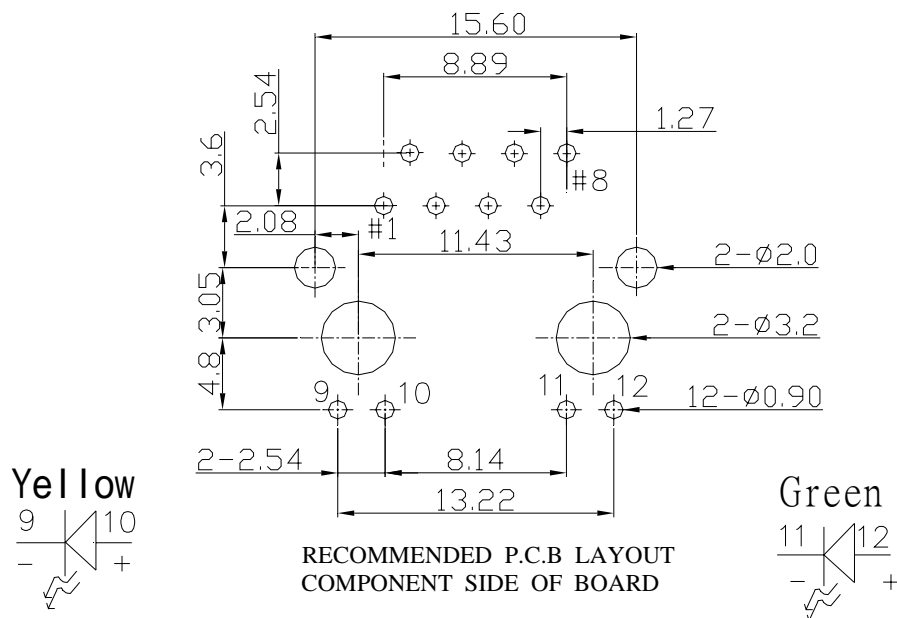
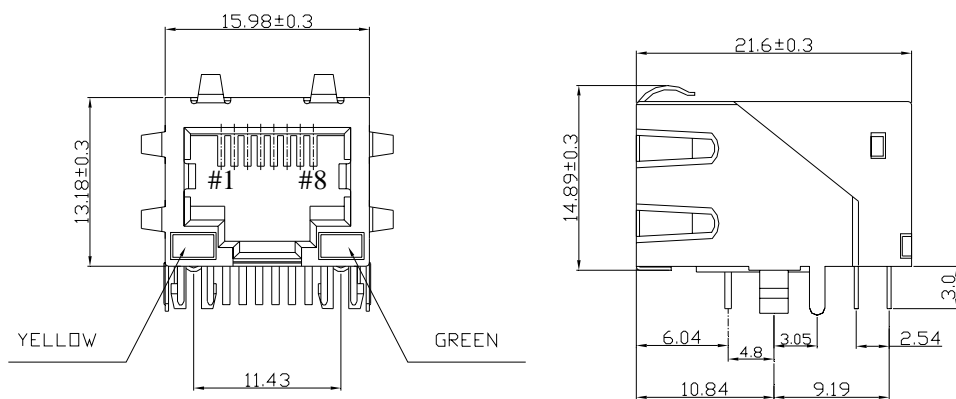
Schematic: Design on MDI Interface Circuitry



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Dimension: mm

TOLERANCE: ± 0.15 (unless otherwise specified)

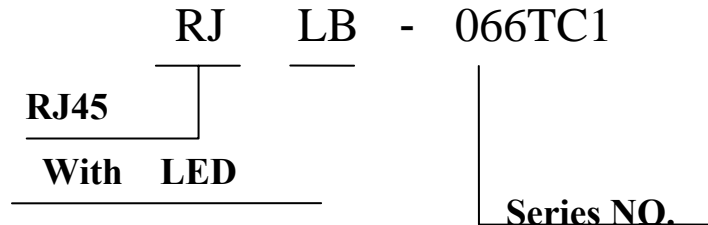




NUMBER:RD-SDRJLB-066TC1
DATE : 2005/11/16 -S(REV:A1)

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Ordering Information



Requirements :

1. Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable product drawing.

2. Materials and Finish

A. Contact:

RJ Contact : Phosphor Bronze, Thickness=0.30mm

Finish : Contact Area : 6 μ "min. Gold over 50 μ "min. Nickel

RJ Joint Contact : Phosphor Bronze, Thickness=0.3mm

Finish : 80 μ "min. Sn over 50 μ "min. Nickel

B. Plastic Part :

(1) Set Housing : Thermoplastic, PBT, Black

UL FILE NO. : E107536

Manufacturer : SHIKONG SYNTHETIC FIBERS CORP.

Grade : E202G30BK

Flame Class : UL 94V-0

(2) Insert : Thermoplastic, PBT, Black

UL FILE NO. : E107536

Manufacturer : SHIKONG SYNTHETIC FIBERS CORP.

Grade : E202G30BK

Flame Class : UL 94V-0

(3) Spacer : Thermoplastic, PBT, Black

UL FILE NO. : E107536

Manufacturer : SHIKONG SYNTHETIC FIBERS CORP.

Grade : E202G30BK

Flame Class : UL 94V-0



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C. Shield Material :

Cartridge $t=0.25\text{mm}$

10 μ ”-20 μ ” Thick Nickel over Brass.

D. LED Lamp

(a) Lens Color : Transparent with color

(b) Emitted Color : Yellow & Green

(c) View Angle : 65°

(d) Wave Length : Yellow 585nm ; Green 565nm

(e) Recommended operation current (IF) : 20 mA

3. Ratings

(1) Voltage rating : 125 VAC

(2) Current rating : 1.5A

Durability :

(1) 1000 cycles with no function damage for RJ-45 . Abnormalities shall be present after the test.

(2) Low Level Contact Resistance : $\Delta R=30\text{m}\Omega$ maximum (final).

(3) The sample should be mounted in the tester and fully mated and unmated 500 times per hour at the rate of 25mm/min. EIA-364-09C.

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1. Unit weight :5.7 grams
2. package : 100 pcs / tray / 0.61 kgms
3. Carton : 1000 pcs / 10 layers of tray
4. Gross weight : 6.6455 kgms

Package drawing:

