



Feature

- ◆ Size same as RJ-45 connector to save PCB board space
- ◆ Reduce EMI radiation, improve EMI performance.
- ◆ Pb free Soldering Heat Withstanding
- ◆ Operating temperature range : 0°C to +70°C.
- ◆ Storage temperature range: 0°C to +85°C.

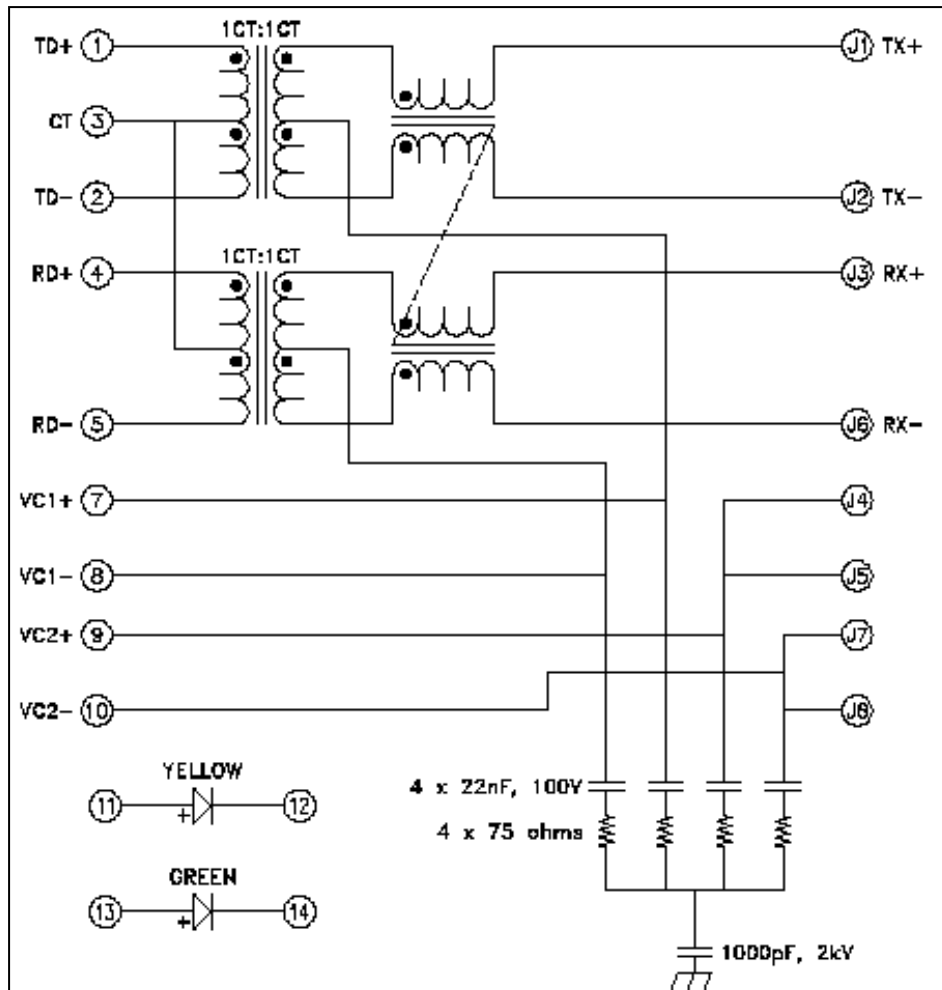
Electrical Specifications @ 25°C

Part Number	Turns Ratio TX/RX(+/-2%)	HI-POT (Vrms)	Cross talk (dB MIN)	OCL(uH Min) 100KHz/0.1V with 8Ma DC BIAS
			1-100MHz	
AM-018	1CT:1CT	1500	-35	350

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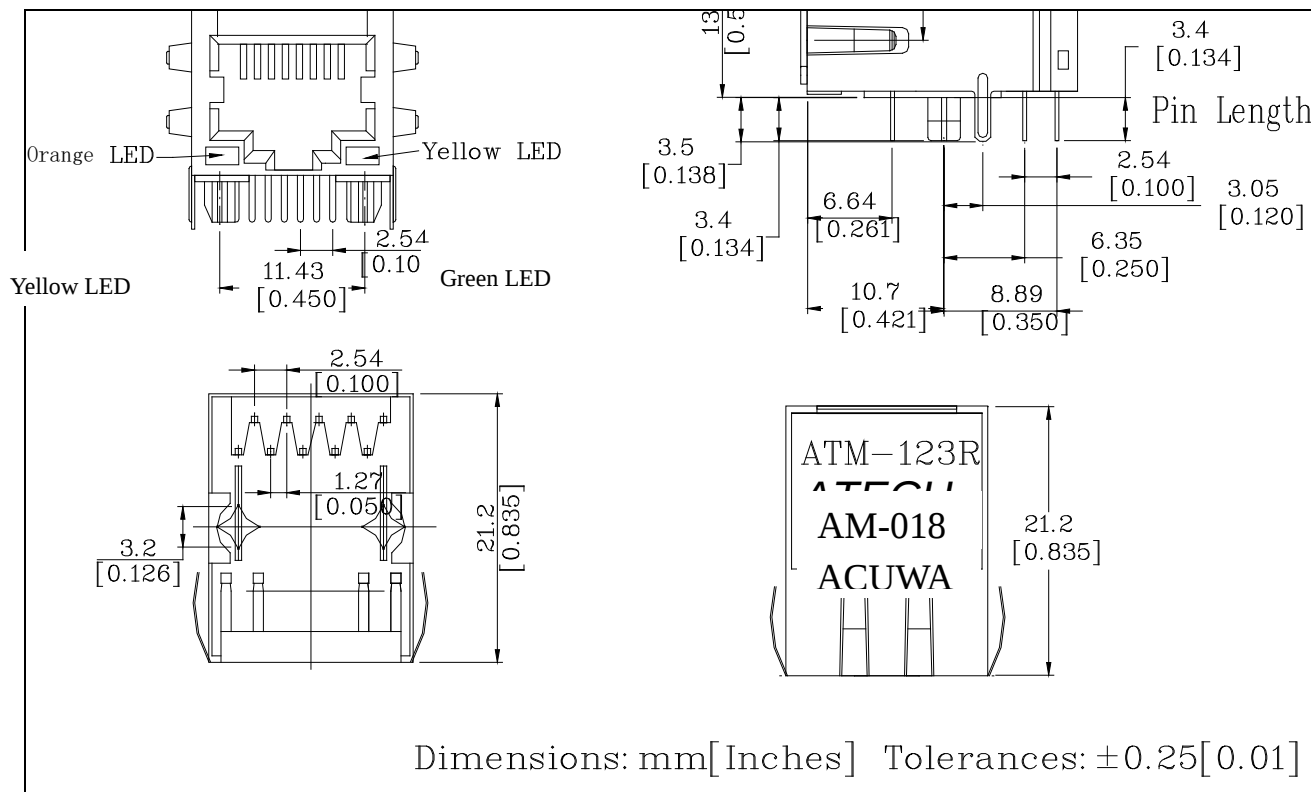
Part Number	Insertion Loss (dB Max)	Return Loss (dB MIN)				CMRR (dB MIN)
	1-100MHz	1-30MHz	40-45MHz	45-60MHz	60-80MHz	1-100MHz
AM-018	-1.0	-18	-16	-14	-12	-35

Schematic





Mechanicals



1. Plastic Material : Thermoplastic (UL 94V-0), Black Housing

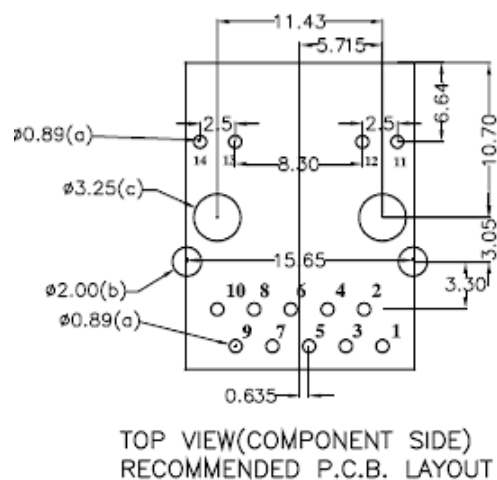
2. Metal Shield : Brass , 20u inches thick Nickel

3. Spring Wire : 0.45mm Dia. Phosphor bronze with selective gold plating

4. Solder Pin : 0.4x0.4mm, Phosphor bronze with solder Plated

5. Durability : 300 Mating cycles Min.

PCB Layout Mounting Hole (Top View)



Note:

- Holes Type(a) P1-P10 Assign EtherNet
Holes Type(a) P12-P14 Assign LED
- Holes Type(b) Assign Shield Cover
- Holes Type(c) Fix Jack.
- Holes Tolerances $\begin{matrix} +0.1 \\ 0 \end{matrix} \begin{matrix} +0.004'' \\ 0.000'' \end{matrix}$
- Holes Pitch Tolerance ± 0.08 [$\pm 0.003''$]