

## FEATURES:

- Magnetic designs to support every PHY
- Meet or exceed IEEE 802.3af and ANSI X3.263 standards
- Meet IEEE 802.3at standards
- including 350uH min OCL with 8mA bias
- Minimum 1500Vrms isolation per IEEE 802.3 requirement
- Designed for 100 base transmission over UTP-5 cable
- Size same as RJ-45 modular jack to save PCB board Space
- Recognized by UL 60950-1



## YUAN DEAN SCIENTIFIC



RJ45 Jack

13F-67 SERIES

With Magnetics Modules

Single Port

10/100 Base-TX

PoE &amp; PoE+

TAB Down



## ELECTRICAL SPECIFICATIONS@25°C

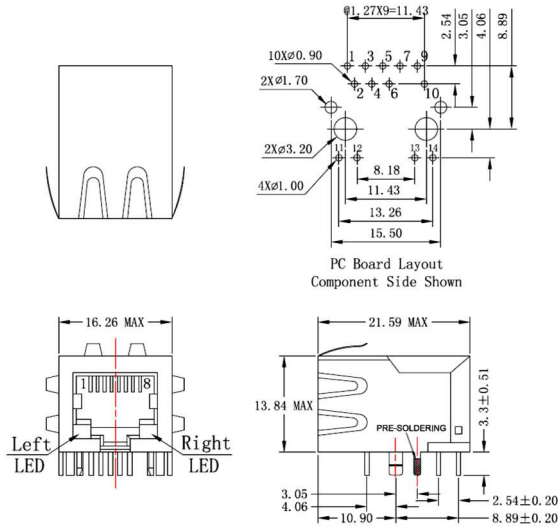
Operating temperature 0°C TO 70°C

Part Number	Turns Ratio Pri:Sec. ±3%		EMI Fingers	LED (L/R)	Insertion Loss (dB max)	Return Loss (dB min @100 Ω)				Crosstalk (dB TYP)	Common Mode Rejection (dB TYP)			POE Current	Hipot (V <sub>rms</sub> min)
	TX	RX				0.3-100 MHz	0.5-30 MHz	40 MHz	50 MHz		60-80 MHz	0.3-100 MHz	0.3-30 MHz		
13F-67BYGDD2NL	1CT:1CT	1CT:1CT	YES	Y/G	-1.1	-18	-15.5	-13.6	-12	-38	-50	-40	-30	350mA	1500
13F-67CGYDS2NL	1CT:1CT	1CT:1CT	YES	G/Y	-1.1	-18	-15.5	-13.6	-12	-38	-50	-40	-30	350mA	1500

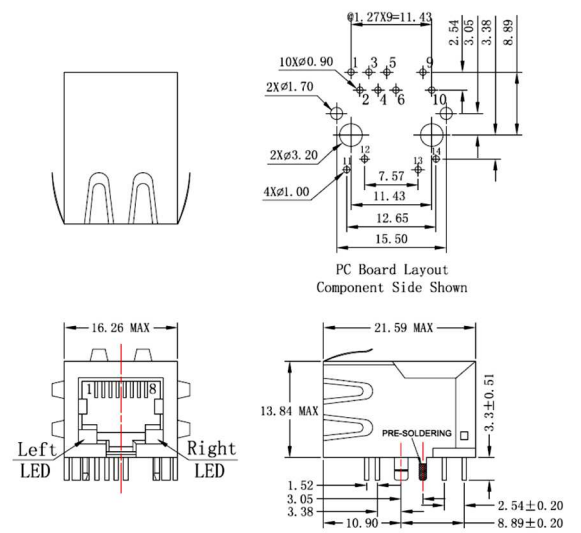


Mechanical and Dimension

13F-67B



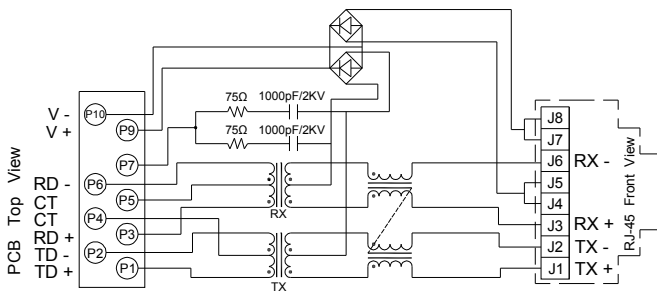
13F-67C



Unit:mm Unless otherwise specified, all tolerances are ±0.25

Schematics

13F-67B



13F-67C

