

## FEATURES:

- Magnetic designs to support every PHY
- Meet or exceed IEEE 802.3 and ANSI X3.263 standards
- including 350uH min OCL with 8mA bias
- Minimum 2250VDC 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-6X SERIES

With Magnetics Module

Single Port

10/100 Base-T

TAB Down



## Electrical Specifications@25°C Operating Temperature 0°C to 70°C

Part Number	Turns Ratio ±5%		EMI Fingers	LED (L/R)	Insertion Loss (dB max)	Return Loss (dB min @100Ω±15Ω)					Crosstalk (dB min)			Common Mode Rejection (dB min)			Hipot (VDC)
	TX	RX				0.3-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
13F-64ND2NL	1CT:1CT	1CT:1CT	YES	N/A	-1	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	2250	
13F-64GYD2NL	1CT:1CT	1CT:1CT	YES	G/Y	-1	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	2250	
13F-64GYD2PLNW2NL	1CT:1CT	1CT:1CT	N/A	G/Y	-1	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	2250	

www.yds.com.tw



TEL : 886-6-3842899

FAX : 886-6-3843288

E-MAIL: ydsweb@yds.com.tw

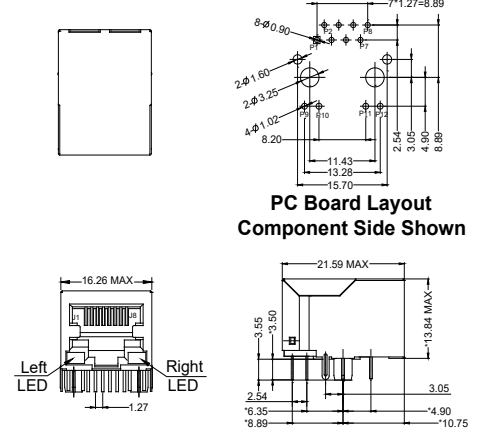
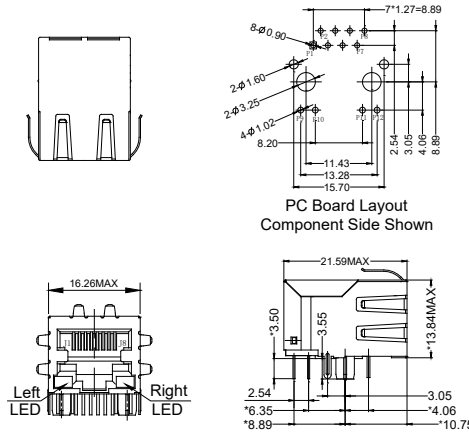
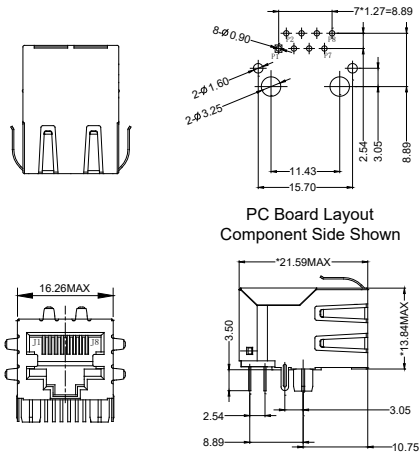
Rev: 5 2022/12/05

Mechanical and Dimension

13F-64ND2NL

13F-64GYD2NL

13F-64GYD2PLNW2NL



UNIT: mm Unless otherwise specified, all tolerances are  $\pm 0.25$

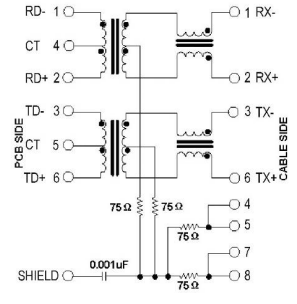
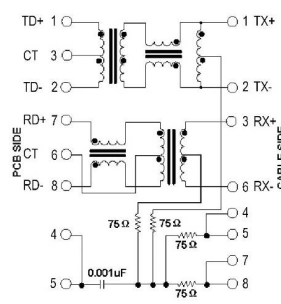
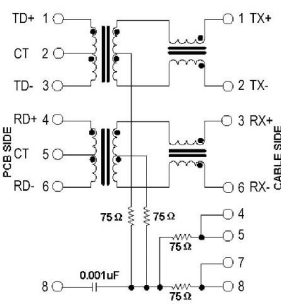
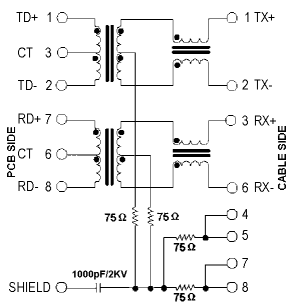
Schematics

13F-60X

13F-61X

13F-62X

13F-63X



13F-64X

13F-65X

13F-66X

13F-67X

