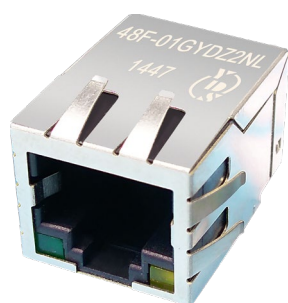


FEATURES:

- Single port Tab-Down with internal magnetics for 1000 Base-T
- 350uH minimum OCL with 8mA bias current
- Internal magnetics options available
- Minimum 2250VDC isolation
- Recognized by UL 60950-1



YUAN DEAN SCIENTIFIC



RJ45 Jack
48F SERIES
With Magnetics
Through Hole
Single Port
100/1000 Base-T
TAB Down



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

Part Number	Turns Ratio (±5%)	Insertion Loss (dB MAX)	Return Loss (dB MIN @100Ω±15Ω)				Differential to Common Mode Rejection (dB MIN)			Cross talk (dB MIN)			Hipot (VDC)
			0.3-100MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	
48F-01ND2NL	1CT:1CT	-1.2	-16	-13.5	-11.5	-10	-35	-32	-30	-40	-36	-30	2250
48F-01GYDS2NL	1CT:1CT	-1.2	-16	-13.5	-11.5	-10	-35	-32	-30	-40	-36	-30	2250
48F-01GYDP2NL	1CT:1CT	-1.2	-16	-13.5	-11.5	-10	-35	-32	-30	-40	-36	-30	2250

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E-MAIL: ydsweb@yds.com.tw

Rev: 3 2022/06/20

Mechanical and Dimension

NO LED JACK

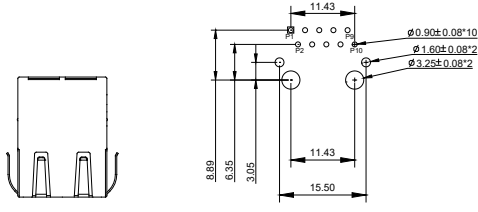
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LED-S JACK

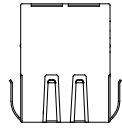
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LED-P JACK

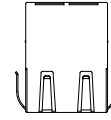
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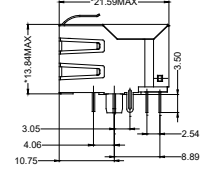
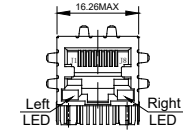
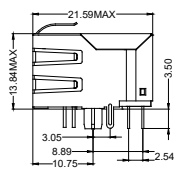
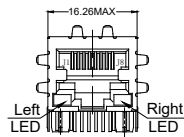
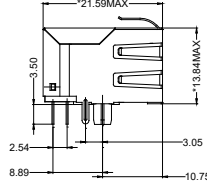
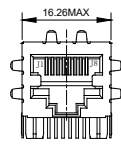
PC Board Layout
Component Side Shown



PC Board Layout
Component Side Shown



PC Board Layout
Component Side Shown

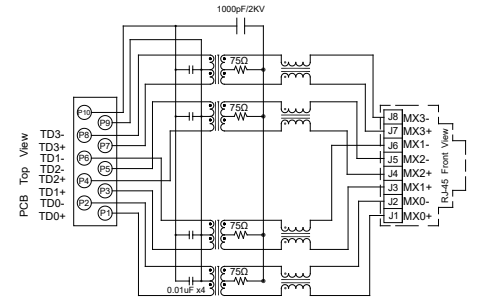
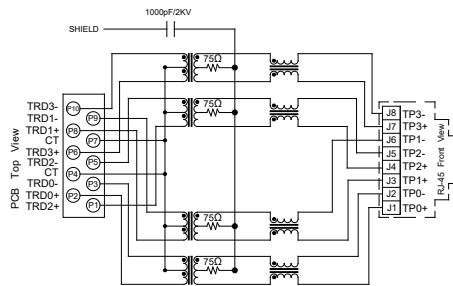
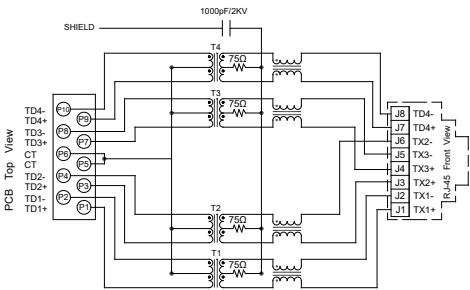


Schematics

01

02

09A



10

19

20

