

## FEATURES:

- 1X1 Tab-Up, 1" Long RJ45 with internal magnetics
- 16pin signal pin versions available
- Available with LEDs
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Internal magnetics are 100% electrically tested for HI-POT and functionality
- Meet IEEE 802.3af standards with 350mA
- Meet IEEE 802.3at standards with 720mA
- Meet IEEE 802.3bt standards with 1A



## RJ45 Integrated Jack

### 56F(2.5G PoE) SERIES

With Magnetics

Single Port

2.5G Base-T

PoE & PoE+

TAB Up



## ELECTRICAL SPECIFICATIONS@25°C

### Operating temperature 0°C TO 70°C

Part Number	Turns Ratio (±3%)	LEDs L/R	Insertion Loss (dB MAX)		Return Loss (dB MIN)		Crosstalk (dB TYP)		DCMR (dB TYP)		CMR (dB TYP)		CDMR (dB TYP)				POE Current	Hipot (Vdc) @60Hz
			1-50 MHz	50-125 MHz	1-40 MHz	40-200 MHz	1-125 MHz	125-200 MHz	1-10 MHz	10-200 MHz	1-125 MHz	1 MHz	50 MHz	100 MHz	200 MHz			
56F-1801DDD2NL	1CT:1CT	G&Y / G&Y	-0.5	-1.0	-20	-20+15log(f/40MHz)	-30	-25	-48	-48+19log(f/10MHz)	-35	-30	-30	-27	-24	720mA	2250	
56F-18012DDD2NL	1CT:1CT	G&Y / G&Y	-0.5	-1.0	-20	-20+15log(f/40MHz)	-30	-25	-48	-48+19log(f/10MHz)	-35	-30	-30	-27	-24	350mA	2250	

[www.yds.com.tw](http://www.yds.com.tw)



TEL : 886-6-3842899 FAX : 886-6-3843288

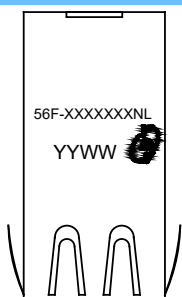
E-MAIL : [ydsweb@yds.com.tw](mailto:ydsweb@yds.com.tw)

Rev: 1 2020/09/15

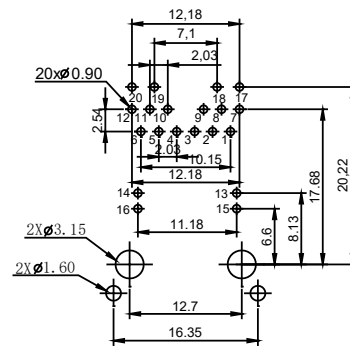
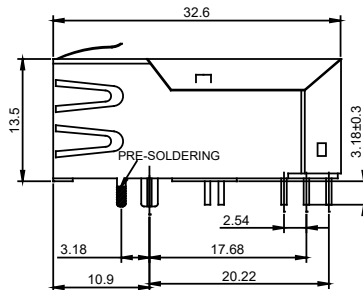
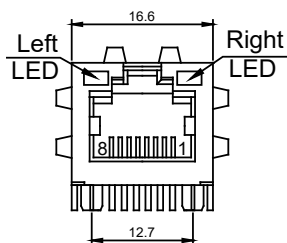
**ELECTRICAL SPECIFICATIONS@25°C**  
**Operating temperature -40°C TO 85°C**

Part Number	Turns Ratio (±3%)	LEDs L/R	Insertion Loss (dB MAX)		Return Loss (dB MIN)		Crosstalk (dB TYP)		DCMR (dB TYP)	CMR (dB TYP)	CDMR (dB TYP)				POE Current	Hipot (Vdc) @60Hz	
			1-50 MHz	50-125 MHz	1-40 MHz	40-200 MHz	1-125 MHz	125-200 MHz	1-10 MHz	10-200 MHz	1-125 MHz	1 MHz	50 MHz	100 MHz			200 MHz
56F-1802DDD2NL	1CT:1CT	G&Y / G&Y	-0.5	-1.0	-20	-20+15log(f/40MHz)	-30	-25	-48	-48+19log(f/10MHz)	-35	-30	-30	-27	-24	720mA	2250
56F-18032DDD2NL	1CT:1CT	G&Y / G&Y	-0.5	-1.0	-20	-20+15log(f/40MHz)	-30	--	--	--	-30dB (30-200MHz)	-45+f/35dB(10-125MHz)				350mA	2250

**Mechanical and Dimension**



YY:Year WW:Week



PC Board Layout Component Side Shown

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

**Schematics**

