

FEATURES:

- 1X1 Tab-UP, 1" Long RJ45 with internal magnetics
- 16pin signal pin versions available
- without LEDs
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Internal magnetics are 100% electrically tested for HI-POT and functionality
- 350 μ H minimum OCL with 8 mA bias current
- Meets IEEE 802.3af specification

PD Controller:

- Meets IEEE 802.3af Specifications
- 100V, 0.6 Ω Integrate DMOS Device
- 600mA max, Temperature Compensated Current Limit
- Open Drain Power Good Output



YUAN DEAN SCIENTIFIC



RJ45 Jack

56F-19XX SERIES

With Magnetics

Single Port

1000 Base-T

PoE

TAB Up

Include PD Controller



ELECTRICAL SPECIFICATIONS@25°C

Operating temperature 0°C TO 70°C

Part Number	Turns Ratio ($\pm 3\%$)	LEDs	Insertion Loss (dB MAX)	Return Loss (dB TYP)				Crosstalk (dB TYP)	Common Mode Rejection (dB TYP)			DCR	POE Current	Hipot (Vrms) @60Hz
				0.3-100 MHz	0.5-30 MHz	40 MHz	50 MHz		60-80 MHz	0.3-100 MHz	0.3-30 MHz			
56F-1901ND2NL	1CT:1CT	NONE	-1.1	-18	-15.5	-13.6	-12	-30	-50	-40	-30	1.2 Ω MAX	350mA	1500

Part Number

56F - 1901 ND X NL
A B C D E

A : Series

B : Schematics

C : LED

D : Gold Plating:1=3u",2=6u",3=15u",4=30u",5=50u"

E : RoHS Version

Mechanicals

Housing Material:

MATERIAL: NYLON 66 UL94V-0 STANDARD COLOR:BLACK

Insert Material:

MATERIAL: QSn6.5-0.1---0.35mm Thickness

Insert -PBT GF UL94V-0

1.PLATING(1) NICKEL

2.PLATING(2) 100%Sn

3.PLATING(3) GOLD (6u ")

Plug into Housing Material:

PBT+30%GF UL 94V-0

Contact pin Material:

MATERIAL: QSn6.5-0.1---0.35mm Thickness

1.PLATING(1) NICKEL

2.PLATING(2) 100%Sn

Shielding Material:

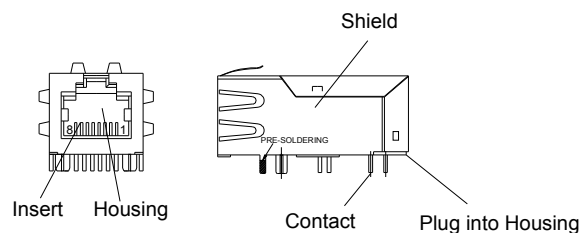
BRASS H65Y PLATING NICKEL

Operating Life:750 Cycles MIN.**Environmental**

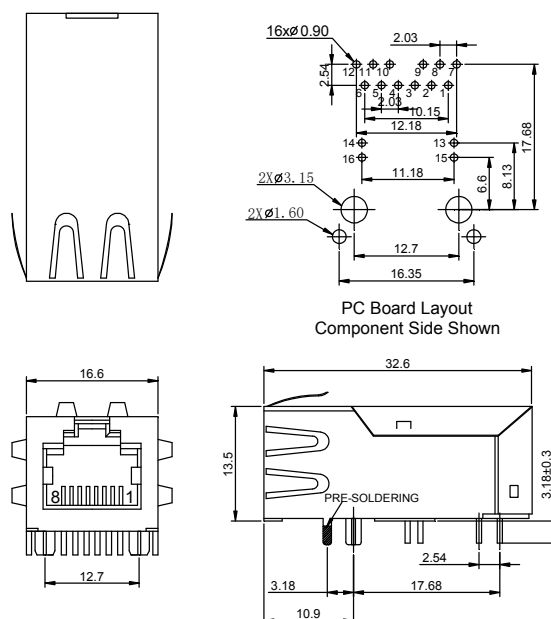
1.Storage Temp:-40°C To +85°C

2.Operating Temp:0°C To +70°C

3.MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPART F



Mechanicals and Dimensions



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

Schematics

1901

