

SK02-111015NL

RJ45



NOTES:

1 Electrical

Current Rating: 1.5 MPS
Voltage Rating: 125V AC
Insulation Resistance: $\geq 1000M\Omega$
Withstanding Voltage: AC 1000V RMS
50Hz or 60Hz 1 Min

Contact Resistance: $\leq 30M\Omega$

Plastic Point Type:

Type: A: Gross Point



B: Round Point



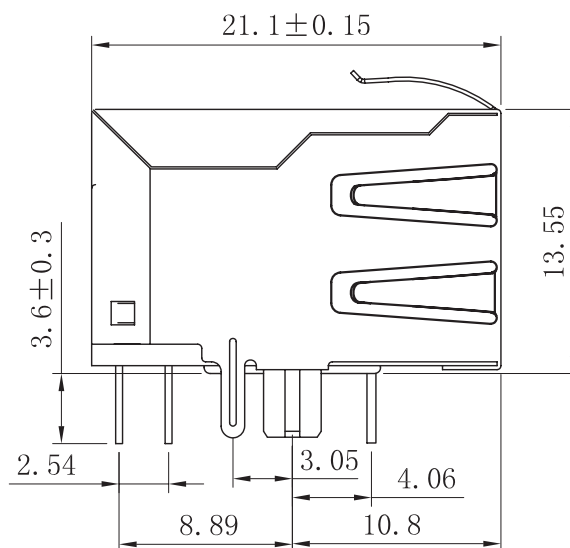
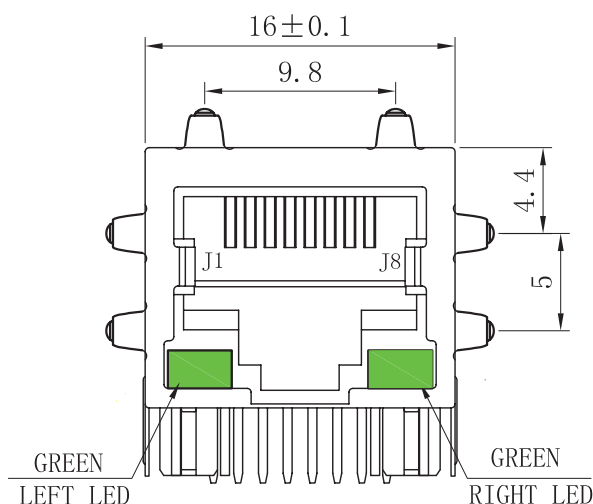
2 Mechanical

Mating Force: 5-25N
Retention Strength: $\geq 76N$
Durability: ≥ 750 TIMES

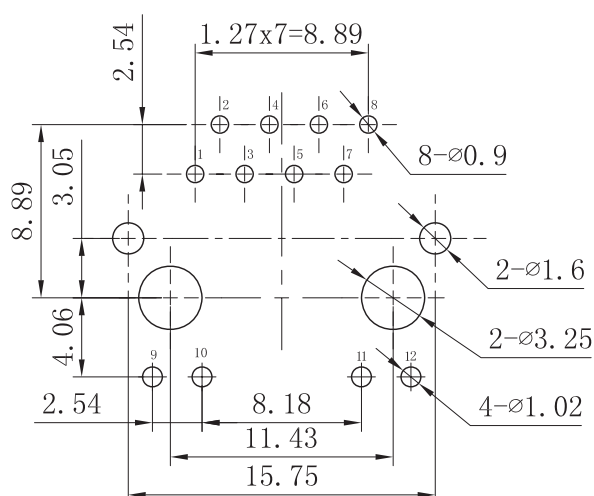
3 Material

Housing: PA6T or PBT filled with Fiberglass
Insert: PBT filled with Fiberglass
Shielding: 0.2mm Thickness Copper alloy with Tin Plated
Contact: Phosphor Bronze, Gold Plated over Nickel
Gold Plating: $< 3\mu$ "inch, 3μ "inch, 6μ "inch, 15μ "inch,
 30μ "inch, 50μ "inch

4 Working Temperature: -40°C ~ +70°C



PC Board Layout



Order Information:

SK01- 11 1 015 NL -(Y/N)
A B C D E F

- A: It stands for the RJ45 designer Such as SK or Others, 01 or 02 stands for as following: 01=Tab Up, 02=Tab Down
- B: The parts are single port or multi-ports: such as SK01-11xxxx, it means 1x1 single port, SK01-21xxxx, means 2x1 or 1x2, it is a dual ports RJ45 filtered connector.
- C: Tells it is a LEDs version or not, "1" means with LEDs, "0" or else there is without LEDs.
- D: It stands for the Parts' series No.
- E: NL=RoHS Compliant.
- F: Contact Plating Code: Normal type is No Mark, it stands the Contact Area of Contact Pin is 6μ " Gold Plating. More than 6μ " need Mark 15μ " or 30μ " or 50μ " ,etc.

SK02-111015NL

RJ45

Product Description: SINGLE PORT RJ45, TAB DOWN,FILTERED, WITH LED

1. SCOPE

1.1 Content

1.1.1 This specification covers performance,tests and quality requirements for :
SINGLE PORT RJ45, TAB DOWN,FILTERED, WITH LED

2. REQUIREMENTS

2.1 Design and Construction

2.1.1 Product shall be of design, construction and physical dimensions specified on applicable product drawing.

2.2 Materials and Finish

2.2.1 Contact :

2.2.1.1 RJ Contact : Phosphor Bronze,Thickness=0.35mm

Finish : (a) Contact Area : 6μ " min.Gold

(b) Solder tail Area : 60μ " min.Tin

(c) Underplating : 50μ " min.Nickel over all

2.2.1.2 Joint Contact : Brass,Thickness=0.35mm

Finish : 60μ " min.Tin

2.2.2 Plastic Part :

2.2.2.1 Housing : Thermoplastic,PBT,Black

2.2.2.2 Insert : Thermoplastic, PBT,Black

2.2.3 Shell

2.2.3.1 Shell : Copper Alloy- H65Y Cu/Ep.Ni , Thickness=0.20mm

2.2.3.2 Shell Plated:Copper Alloy with Ni Plated.

2.3 LED Lamp or NON LED Lamp

2.3.1 Lens Color : Transparent with color

2.3.2 Emitted Color : Green

2.3.3 Wave Length : Green 573nm

3. Operating and Storage Temperature

3.1 Operating Temperature : 0 □ TO +70 □

3.2 Non-Operating Temperature : -40 □ TO +85 □

4 .Ratings

4.1 Voltage rating : 125 VAC

4.2 Current rating : 1.5 A

5. Packaging and Packing

All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.

7. Profile of Wave Solder

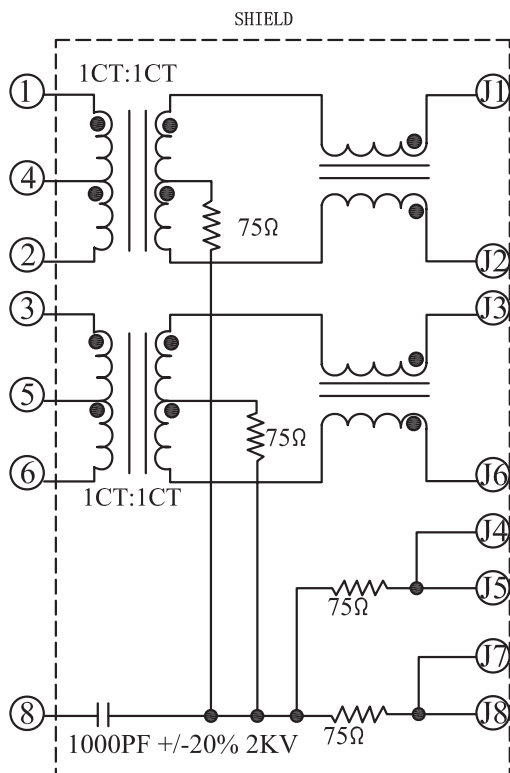
7.1 SUGGESTED WAVE SOLDER CURVE

(1)Tip temperature:250±10 □

(2)Tip temperature time:5 sec max

SK02-111015NL

RJ45



ELECTRICAL SPECIFICATIONS

@ 25°C unless otherwise noted:

Insertion Loss: 1-100MHZ -1.0dB MAX

Return Loss: 1-30MHZ -16.0dB MIN

30-60MHZ -12.0dB MIN

60-80MHZ -10.0dB MIN

Cross Talk: 1-30MHZ -40.0dB MIN

30-60MHZ -35.0dB MIN

60-100MHZ -30.0dB MIN

CMR: 1-50MHZ -30.0dB MIN

50-150MHZ -20.0dB MIN

Hipot:1500V AC 6S 1mA

OCL:350uH MIN @ 100KHZ 100mV 8mA

Viewed from PCB Component side

