

# 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



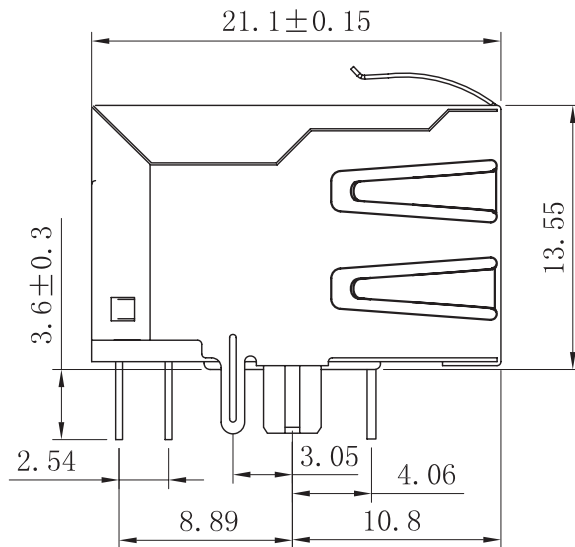
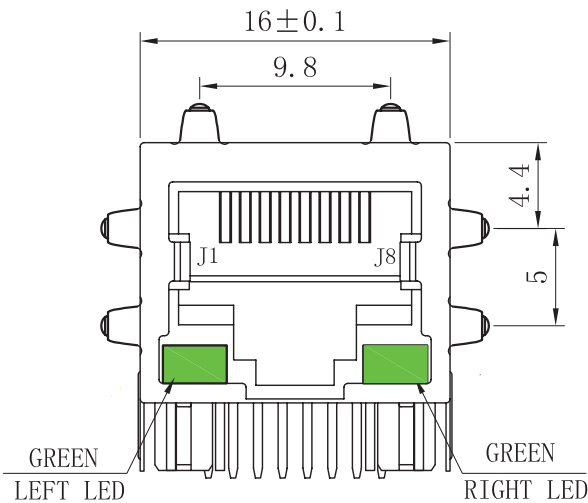
#### 2 Mechanical

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

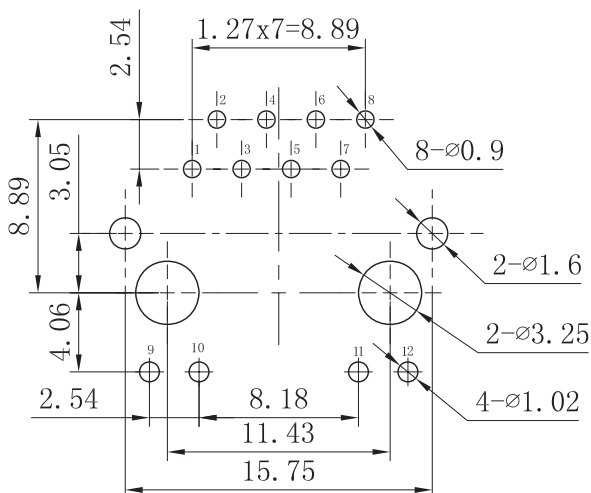
#### 3 Material

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:  $< 3\mu\text{inch}$ ,  $3\mu\text{inch}$ ,  $6\mu\text{inch}$ ,  $15\mu\text{inch}$ ,  $30\mu\text{inch}$ ,  $50\mu\text{inch}$

#### 4 Working Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$



### 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  $6\mu\text{inch}$  Gold Plating. More than  $6\mu\text{inch}$  need Mark  $15\mu\text{inch}$  or  $30\mu\text{inch}$  or  $50\mu\text{inch}$ , 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 :  $6\mu$ " min.Gold

( b ) Solder tail Area :  $60\mu$ " min.Tin

( c ) Underplating :  $50\mu$ " min.Nickel over all

2.2.1.2 Joint Contact : Brass,Thickness=0.35mm

Finish :  $60\mu$ " 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

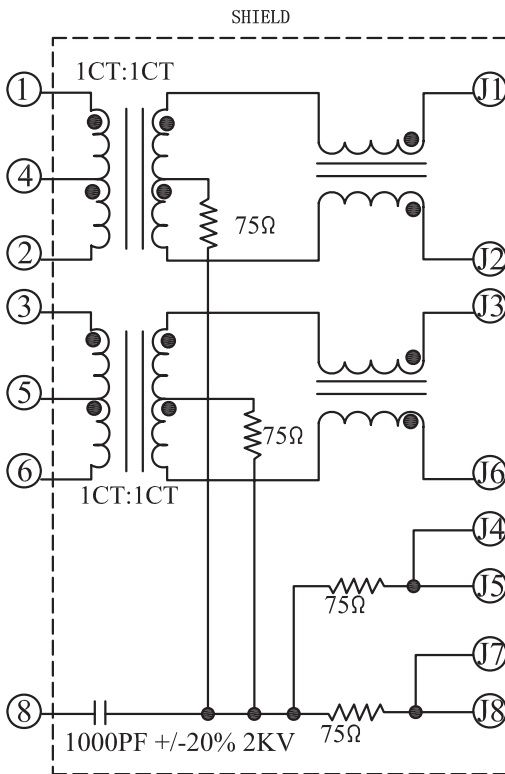
#### 7.1 SUGGESTED WAVE SOLDER CURVE

(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

