

# Vertical RJ45 1000 Base-T Single Port, w/ LEDs, Extended Temperature

ARJ-148

RoHS/RoHS II Compliant



16.9 x 15.9 x 23.2mm

## FEATURES:

- Compliant with IEEE802.3 standard
- Designed for Network Interface Cards(NIC), LAN-on-Motherboard(LOM) and PC applications Ethernet Switch, Servers, & Access Point Routers
- High performance for maximum EMI suppression
- 350μH minimum OCL with 8mA bias current
- RoHS peak wave solder temperature 260°C

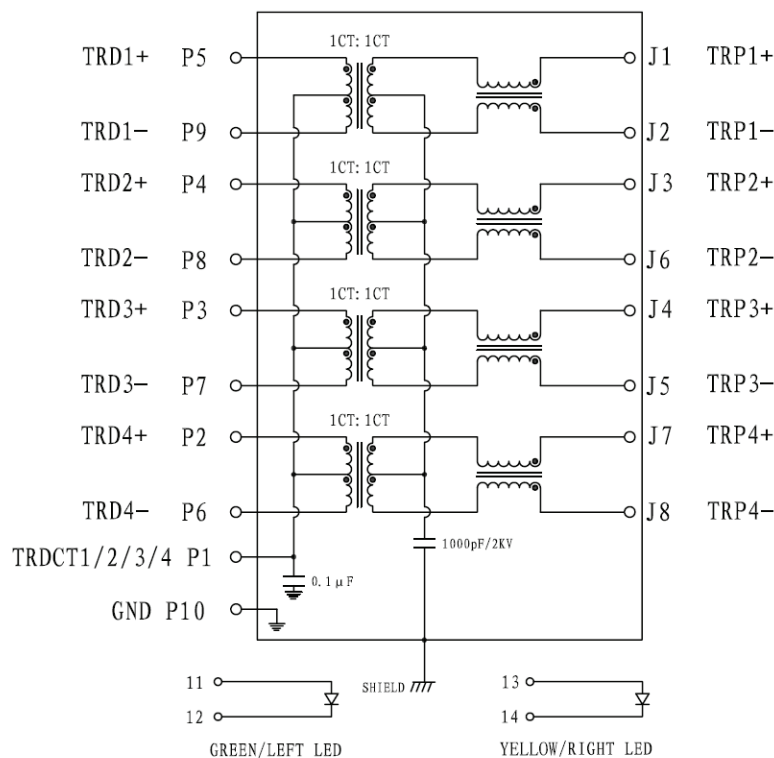
## APPLICATIONS:

- Support 1000 Base-T applications w/ Bi-Color LEDs
- Vertical Mount with wide temperature range(-40°C~85°C)
- Applicable for Ethernet Switch, Servers, & Access Point Routers
- Provides signal conditioning, EMI suppression and signal isolation

## STANDARD SPECIFICATIONS

| Parameters            | Minimum           | Typical | Maximum | Units | Notes           |
|-----------------------|-------------------|---------|---------|-------|-----------------|
| Operating Temperature | -40               |         | +85     | °C    |                 |
| Storage Temperature   | -40               |         | +85     | °C    |                 |
| Turn Ratio (± 3%)     | 1CT:1CT           |         |         |       | Tx              |
|                       | 1CT:1CT           |         |         |       | Rx              |
| Inductance (OCL)      | 350               |         |         | μH    | 100KHz/0.1V@8mA |
| Insertion Loss        |                   |         | -1.0    | dB    | 1-100MHz        |
| Return Loss           | -18               |         |         | dB    | 1-10MHz         |
|                       | -16               |         |         |       | 10-30MHz        |
|                       | -14               |         |         |       | 30-60MHz        |
|                       | -12               |         |         |       | 60-80MHz        |
|                       | -10               |         |         |       | 80-100MHz       |
| Cross Talk            | -35               |         |         | dB    | 1-100MHz        |
| CMR                   | -35               |         |         | dB    | 1-100MHz        |
| Hi-Pot                | 1500Vrms/1mA/1Sec |         |         |       | Pri to Sec      |

## SCHEMATICS



ABRACON IS  
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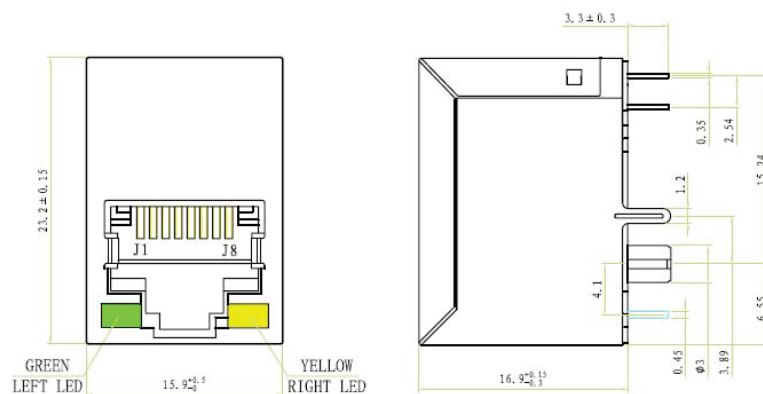
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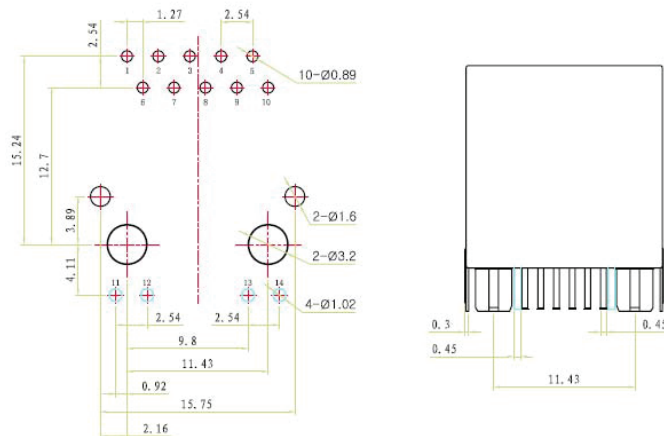


16.9 x 15.9 x 23.2mm

## MECHANICAL DIMENSIONS

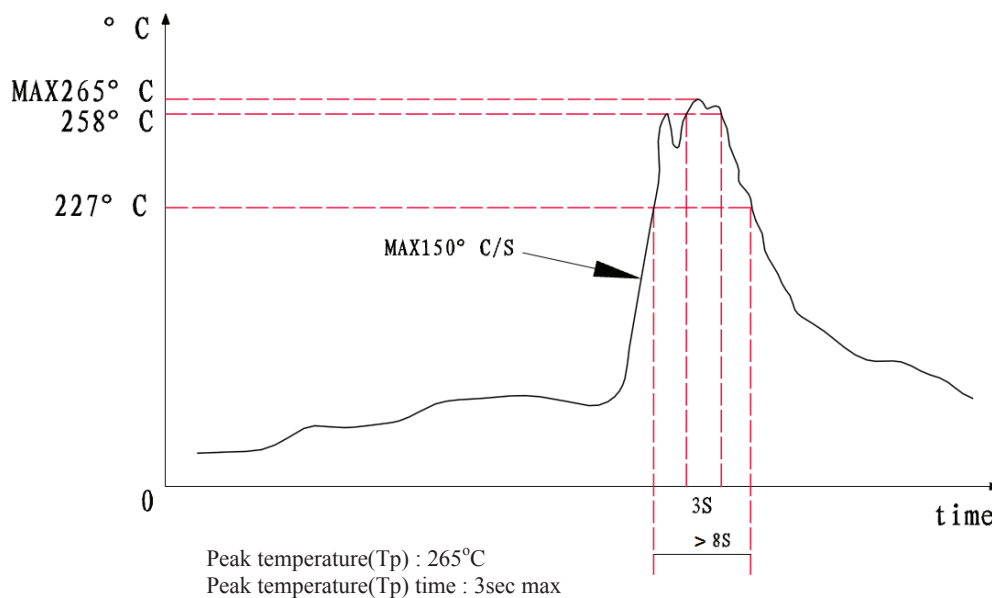


### Recommended Land Pattern



Dimensions: mm

## DIP WAVE SOLDERING PROFILE



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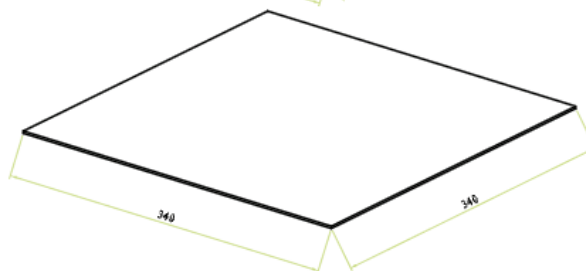
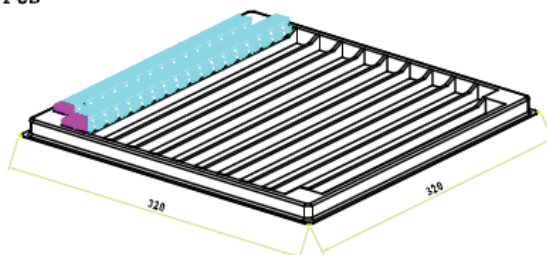
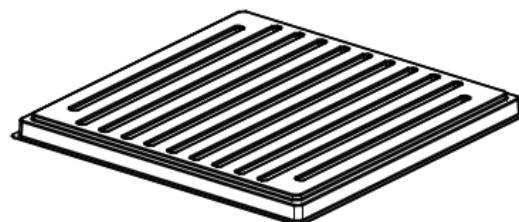
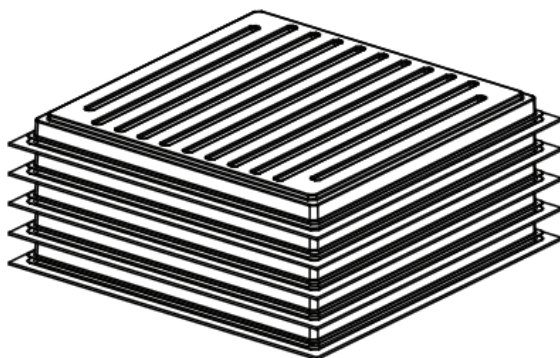
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## PACKAGING:

**Packing:** 200pcs/tray  
**Weight:** 7.19 grams / pcs

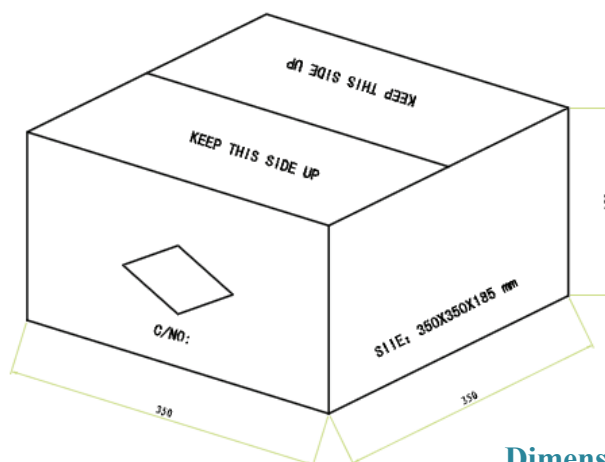
**Packing Material:** PC Plastic

- 1、 Inner Package: L=320mm; W=320mm; H=20mm;
- 2、 There are 12 slot grids on the tray and There are 15Pcs In the two terminal slot grids, there are 17PCS in 12 middle slot grids.
- 3、 Paste ROHS label and barcode label.
- 4、 Material: PC Plastic.



**Outer carton unit (optional): 1000 pcs/5 trays/box**

- 1、 Package Box : L=350mm; W=350mm; H=185mm;
- 2、 Package Box contain 5 PCS inner package Trays.
- 3、 Material: US CARD+kraft papers.
- 4、 There are 1000PCS products in the Package Box.



**Dimensions: cm**

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