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) amd 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**
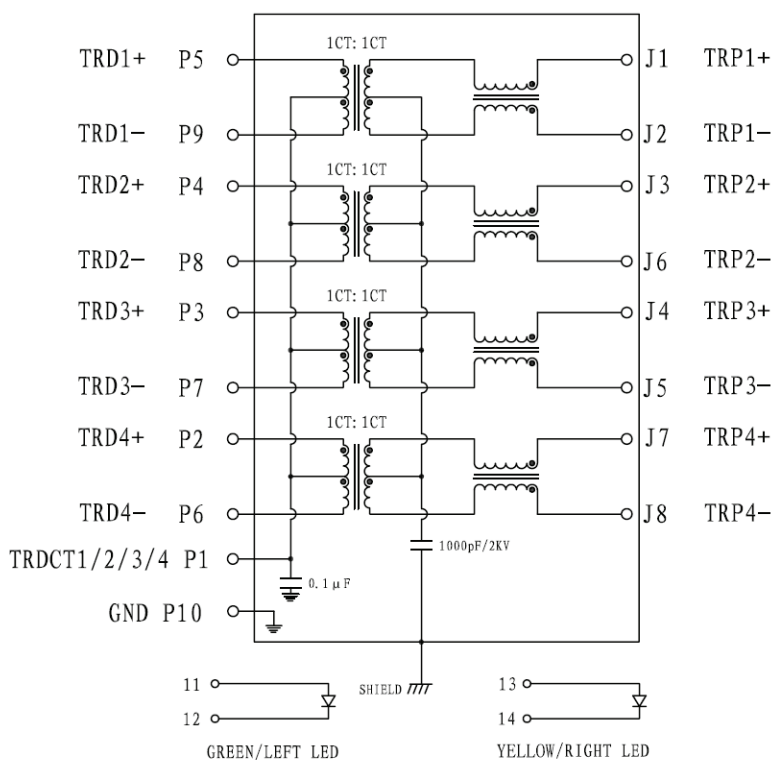
ABRACON IS
ISO 9001:2008
CERTIFIED

The Power of Linking Together

2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 07.23.15**
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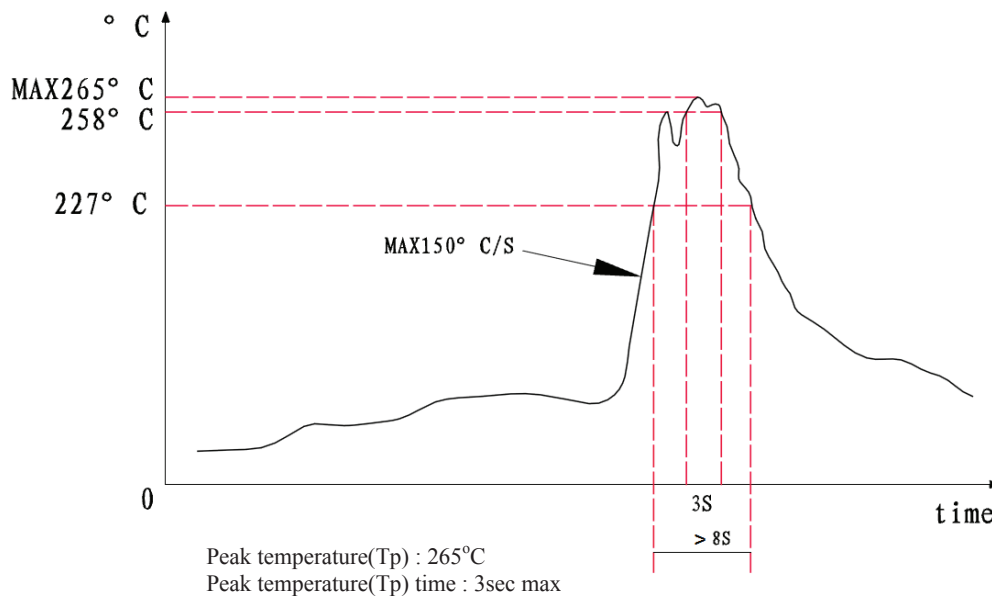
MECHANICAL DIMENSIONS

GREEN LEFT LED

YELLOW RIGHT LED

J1   J8

Recommended Land Pattern

10-Ø0.89

2-Ø1.6

2-Ø3.2

4-Ø1.02
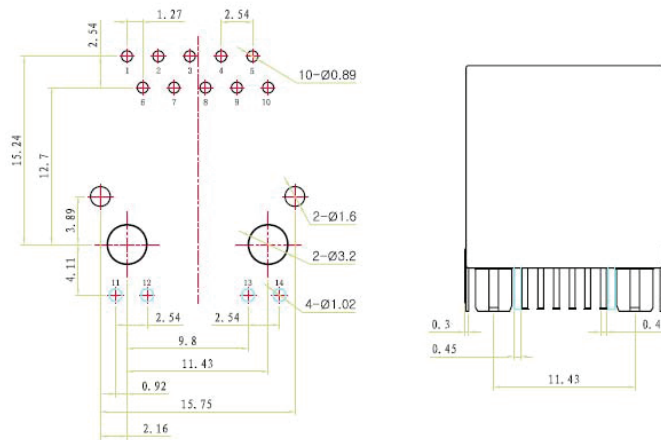
Dimensions: mm

DIP WAVE SOLDERING PROFILE

MAX265° C
258° C
227° C
MAX150° C/S

3S
> 8S

0   time

Peak temperature(Tp) : 265°C
Peak temperature(Tp) time : 3sec max

▷ **PACKAGING:**

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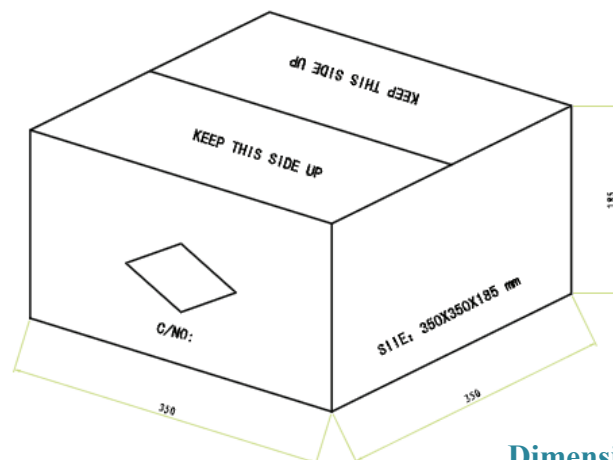**Weight:**   **7.19 grams / pcs**

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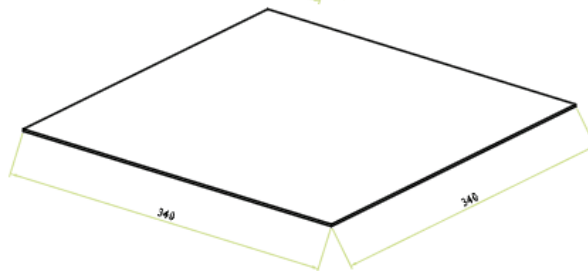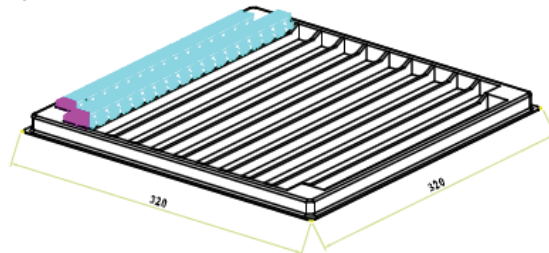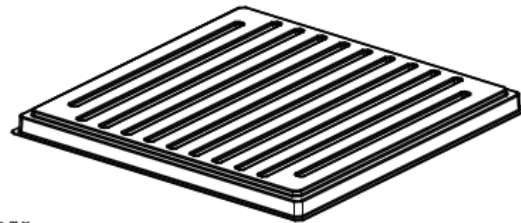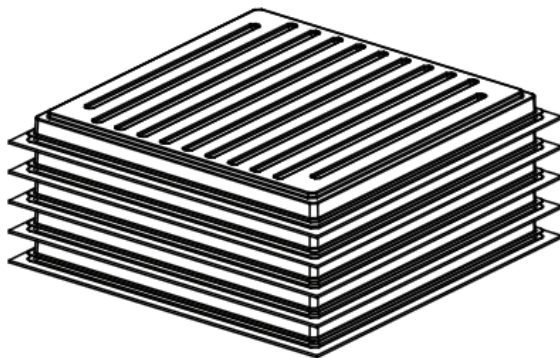
Outer carton unit (optional): 1000 pcs/5 trays/box

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.

KEEP THIS SIDE UP
KEEP THIS SIDE UP
C/NO:
SIIE: 350X350X185 mm

Dimensions: cm