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

ARJ-148

RoHS/RoHS II Compliant

23.2 x 15.9 x 16.9 mm

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

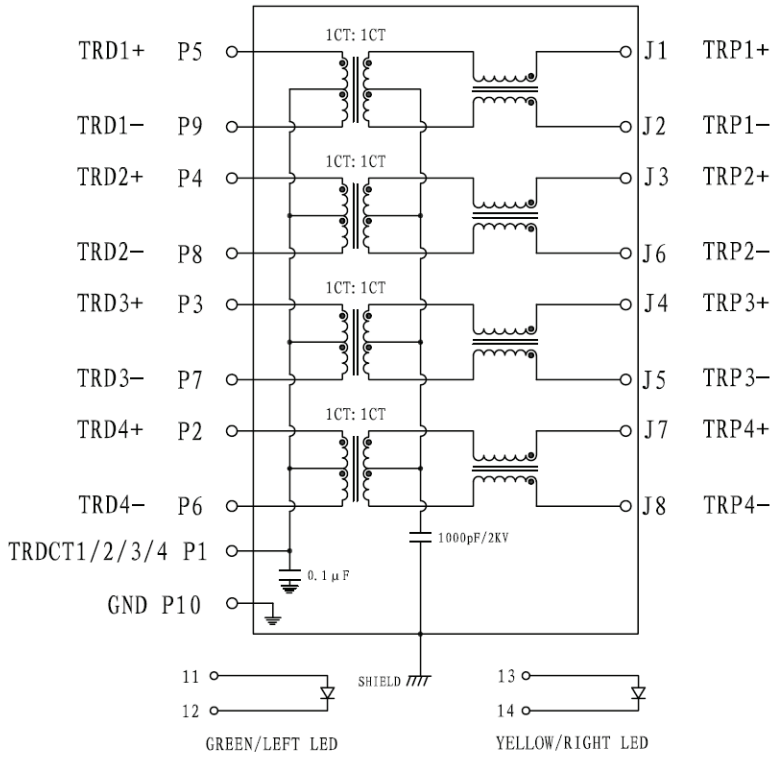
APPLICATIONS:

- 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



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REVISED: 03-19-19

ABRACON IS ISO9001-2015 CERTIFIED

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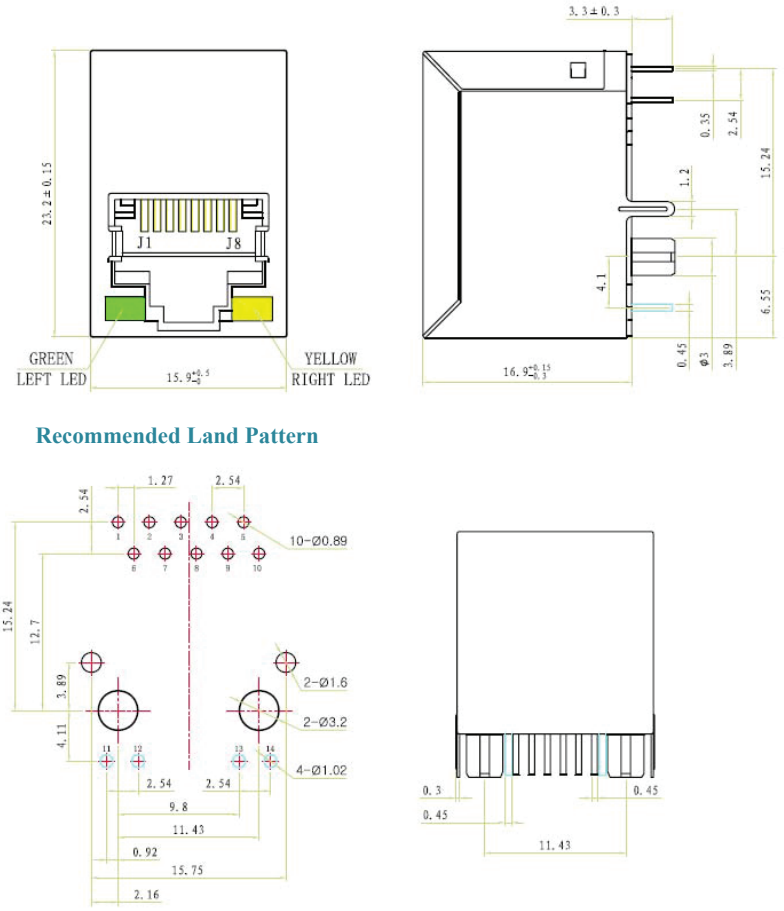
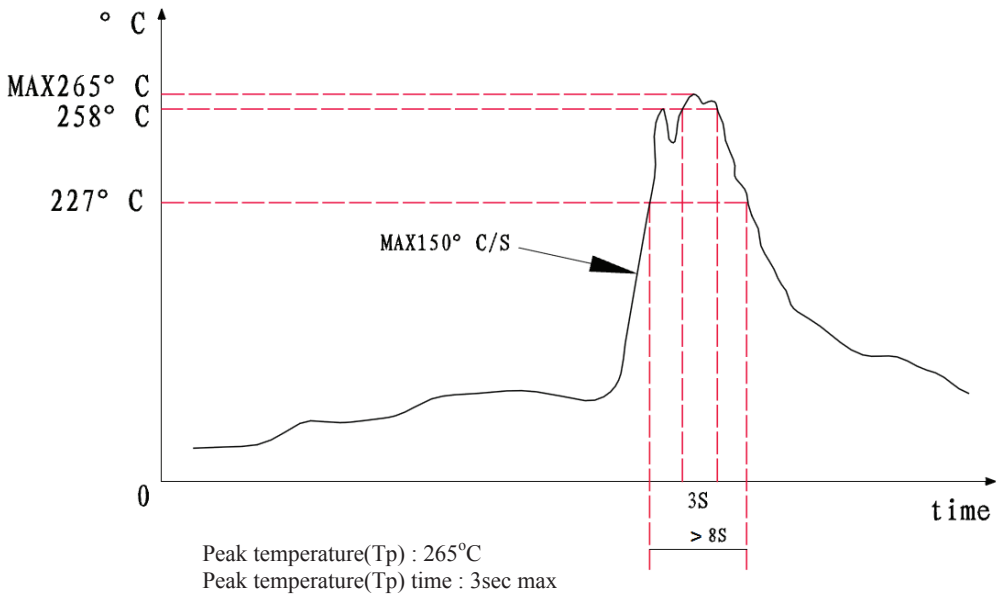
MECHANICAL DIMENSIONS



Dimensions: mm

DIP WAVE SOLDERING PROFILE



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

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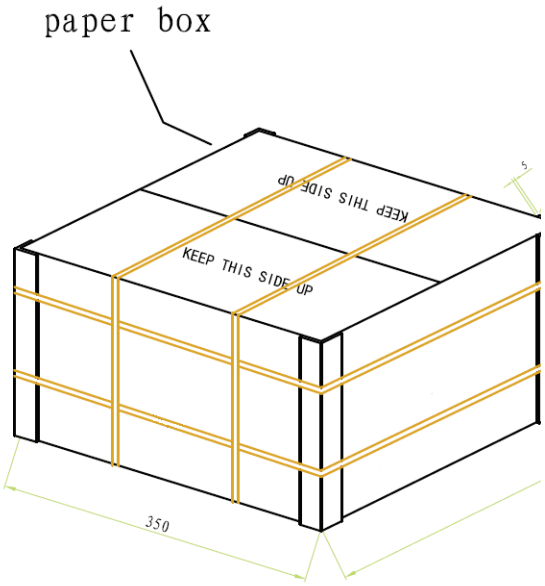
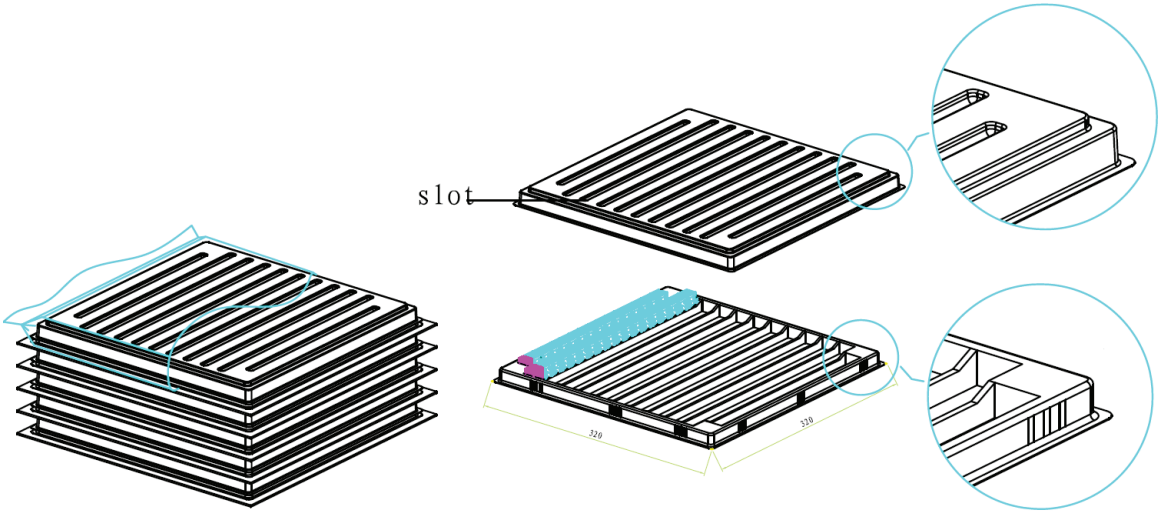
PACKAGING:

Packing: **150 pcs/tray**
Weight: **7.19 grams/pcs**



Inner Package: L=320mm; W=320mm; H=20mm;
There are 7 long slot grids and 2 short long grids on the tray.
There are 17pcs products in long slots and 15PCS in short slot and 16pcs in other short slot
Every tray are wrapped by po package.
Material: PC Plastic。



Dimensions: mm

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