

RJ45 1000Base-T, 1X2, Tab Up w/ LEDs Extended Temperature



ARJ-202A

Request Samples



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31.20 x 13.55 x 25.45mm
RoHS/RoHS II Compliant
MSL Level = N/A

Features

- Compliant with IEEE802.3 standard
- Tab up RJ45 Jack 1 X 2
- High performance for maximum EMI suppression
- 350μH minimum OCL with 8mA bias current
- RoHS peak wave solder temperature 260°C

Applications

- Supports 1000 Base-T Auto MDIX application with LEDs
- Wide temperature range(-40°C~85°C)
- Ethernet Switches, Hubs, LAN-on-Motherboard (LOM) and ADSL
- Suitable CAT 3, 5e & 6 cable and UTP
- Provides signal conditioning, EMI suppression and signal isolation

Electrical 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	-40			dB	1-30MHz
	-35				30-60MHz
	-30				60-100MHz
CMR	-35			dB	1-100MHz
Hi-Pot	1500Vrms/1mA/1Sec				Pri to Sec

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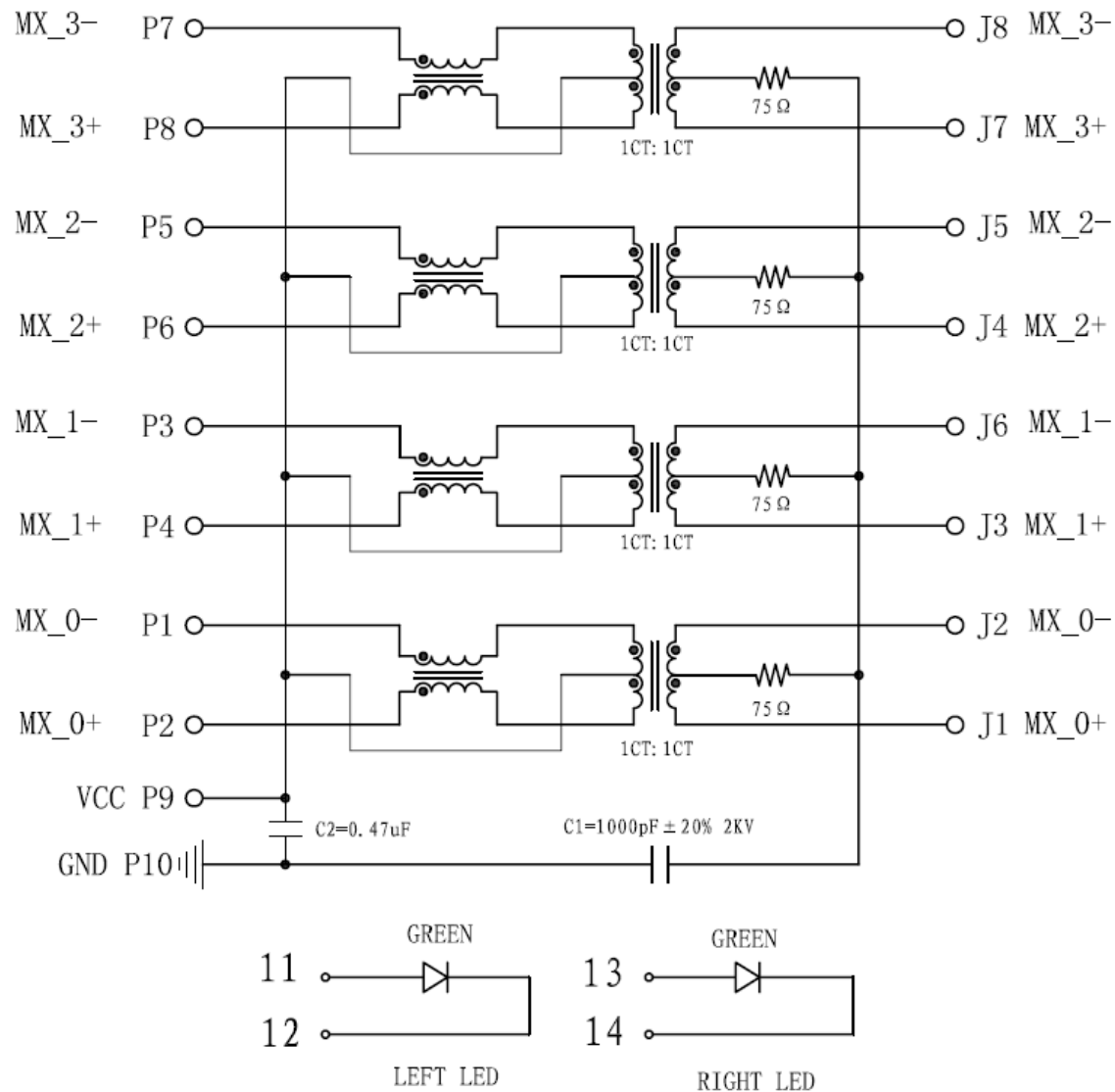


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Schematic



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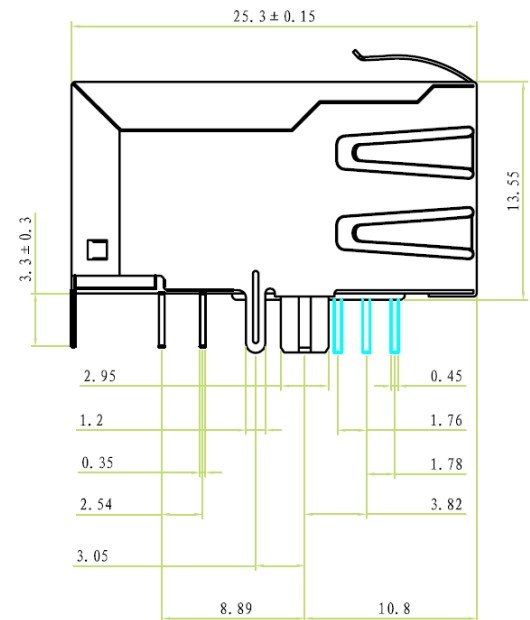
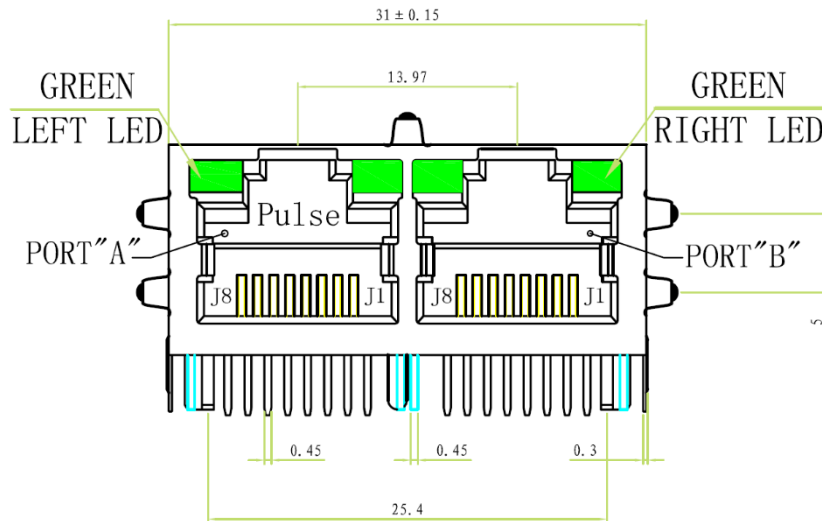


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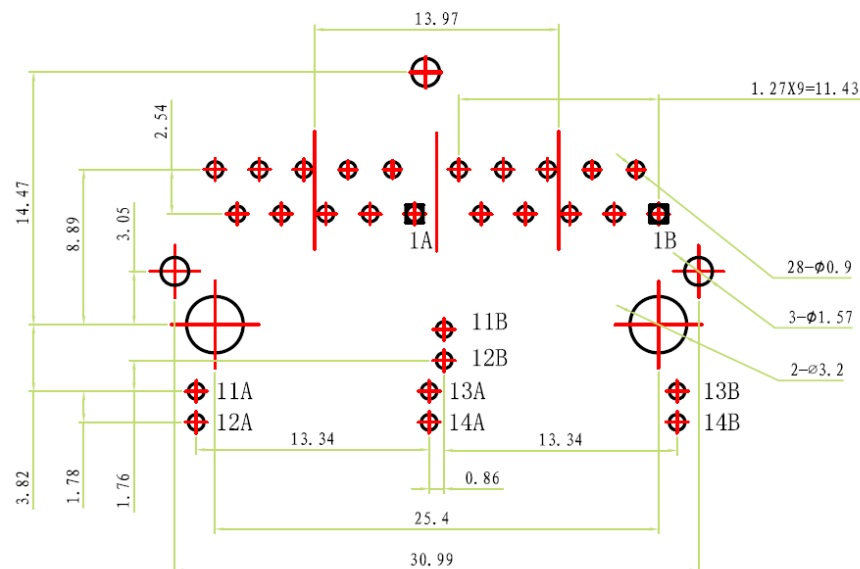


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Mechanical Specifications



Recommended Land Pattern



Dimensions: mm



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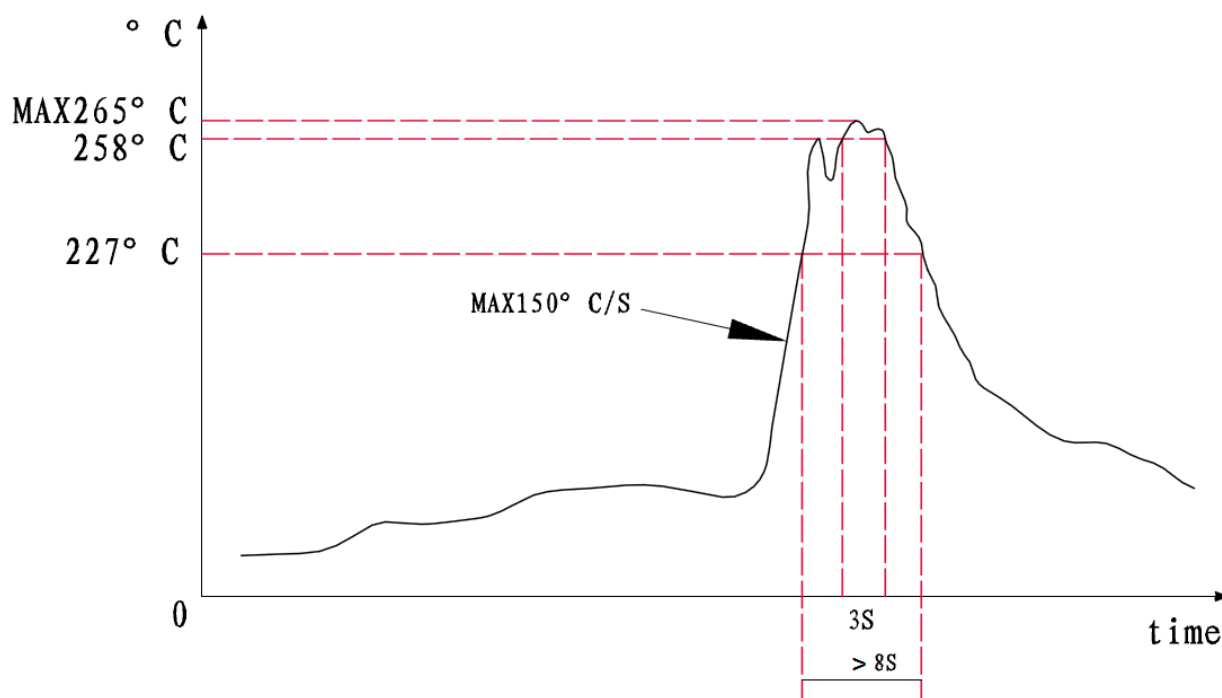


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Wave Profile



Zone	Description	Temperature	Times
1	Peak heat	T_p 260°C±5°C	3sec. MAX

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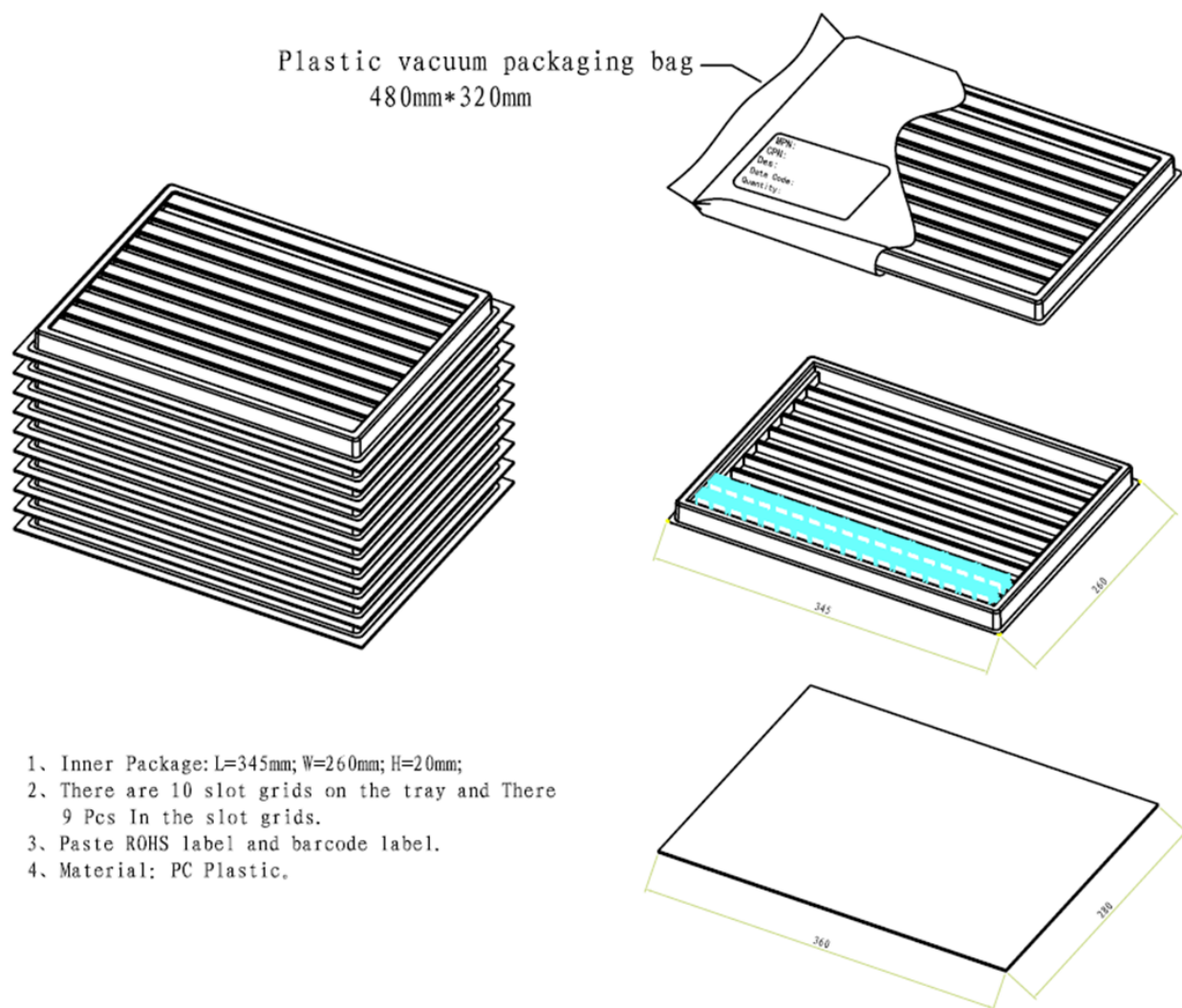
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Packaging

Packing: 90 pcs/tray
Packaging Material: PC Plastic



1. Inner Package: L=345mm; W=260mm; H=20mm;
2. There are 10 slot grids on the tray and There 9 Pcs In the slot grids.
3. Paste ROHS label and barcode label.
4. Material: PC Plastic.

Dimensions: mm

ATTENTION: Abracon LLC's products are Commercial-Off-The-Shelf (COTS), which are designed, intended and validated for use in commercial, industrial and automotive applications. The customer is responsible for testing and verifying the performance of an Abracon solution to meet their system-level requirements.



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