

# Gigabit RJ45 with 1 x USB Combo, w/ LEDs, Ext Temp

**ARJ-196**

**RoHS/RoHS II Compliant**



16.8 x 21.1 x 26.2mm

## FEATURES:

- Compliant with IEEE802.3ab standard
- Tab up RJ45 Jack + 1USB Combo
- High performance for maximum EMI suppression
- 350 $\mu$ H minimum OCL with 8mA bias current
- RoHS peak wave solder temperature 260°C

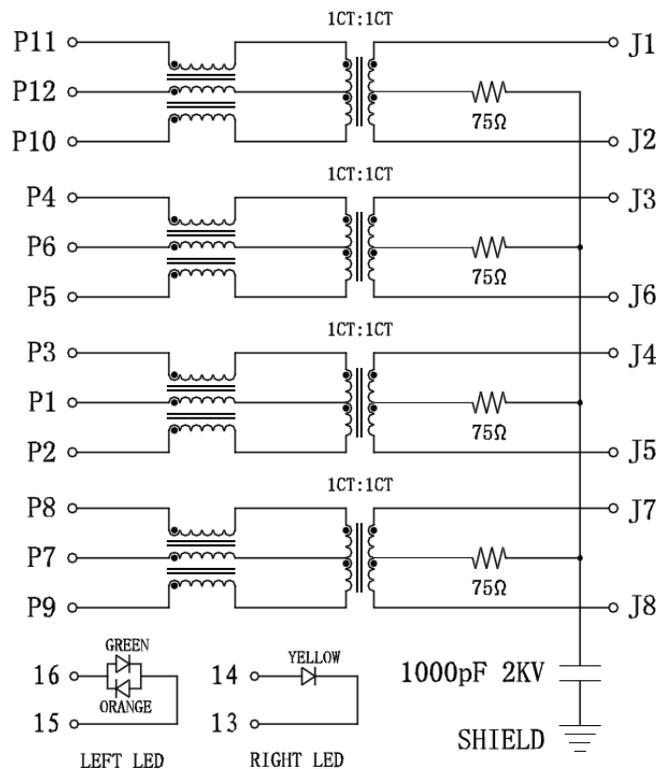
## APPLICATIONS:

- Support 10/100/1000 Base-T AutoMDIX application with Bi-Color LEDs
- Extended Temperature (-40°C~85°C)
- Network Interface Cards(NIC), LAN-on-Motherboard(LOM) and PC
- Suitable CAT 3, 5e & 6 cable and UTP
- 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 ( $\pm 3\%$ )	1CT:1CT				Tx
	1CT:1CT				Rx
Inductance (OCL)	350			$\mu$ H	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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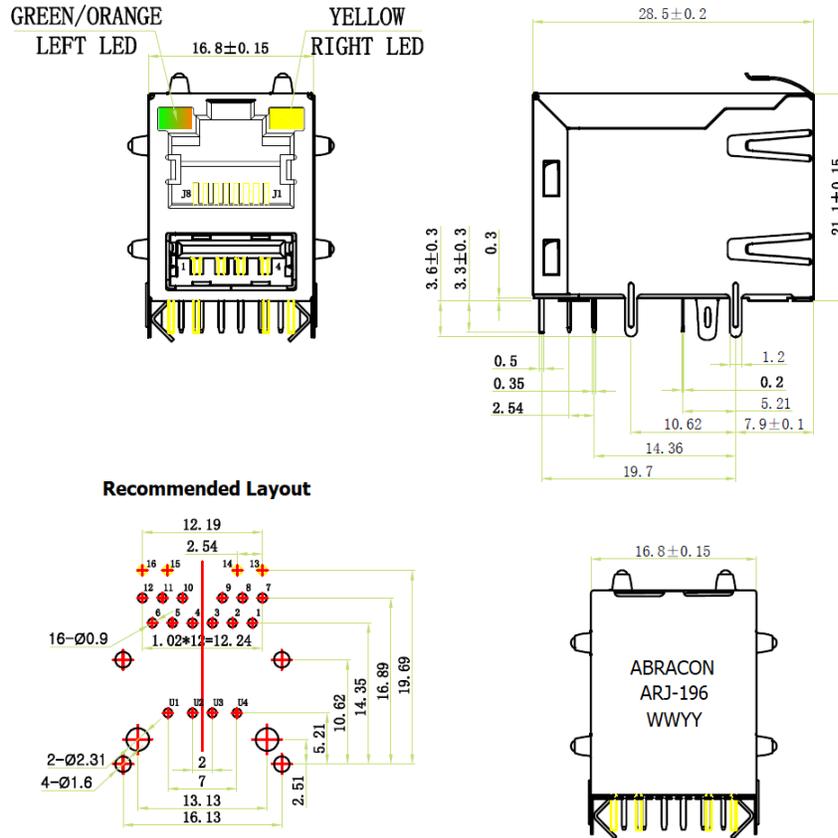
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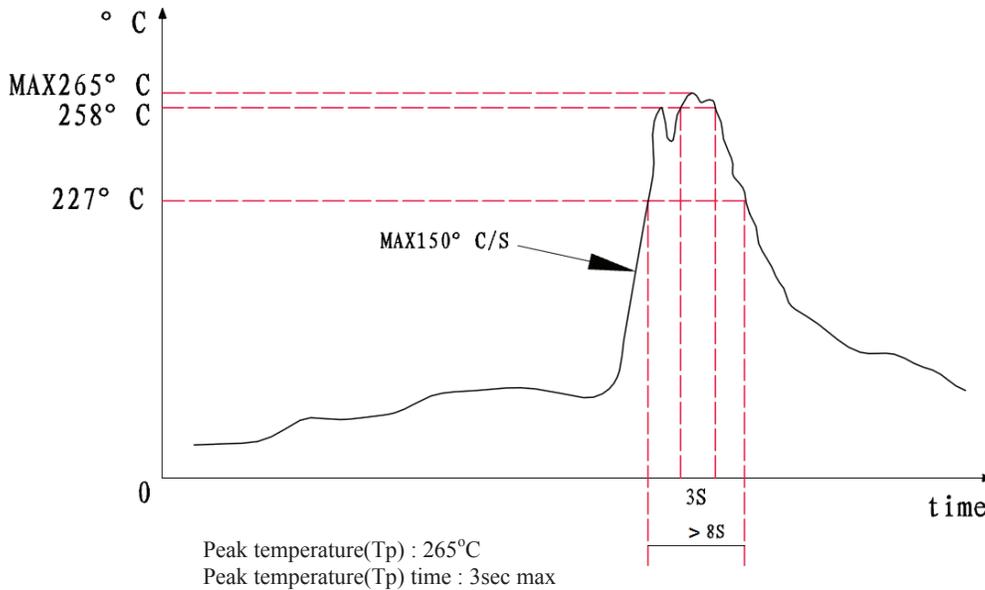
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## MECHANICAL DIMENSIONS



Dimensions: mm

## DIP WAVE SOLDERING PROFILE



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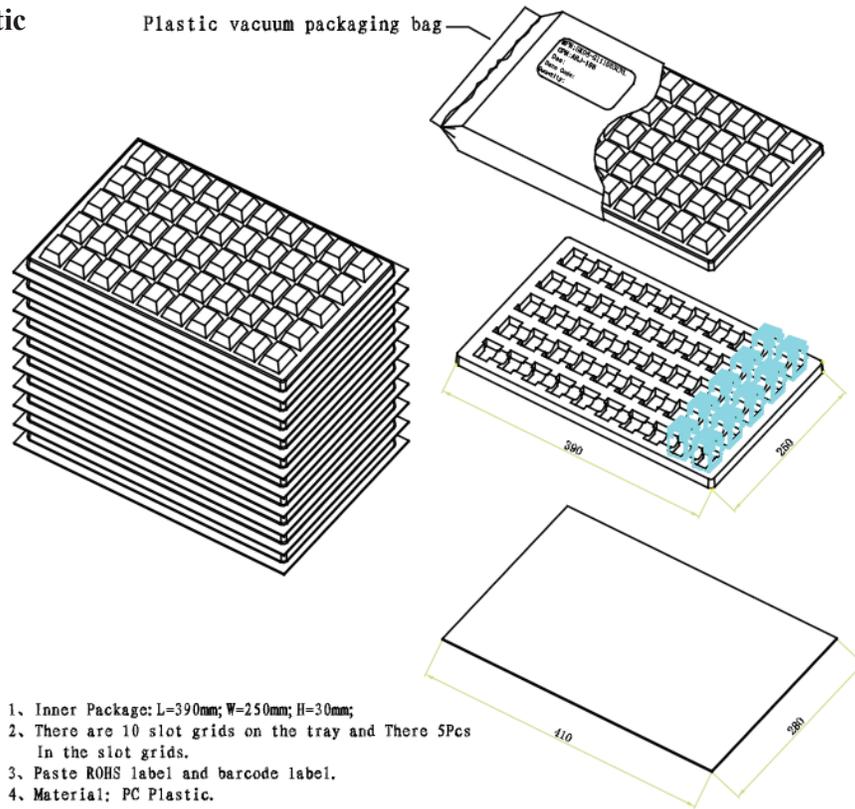


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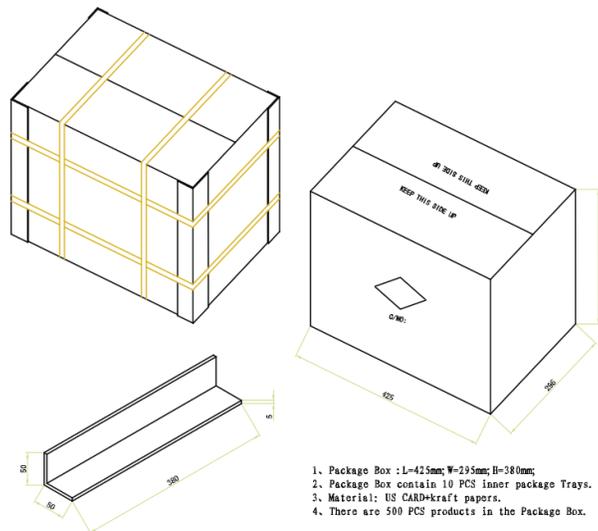
## PACKAGING:

**Packing: 50pcs/tray**

**Packing Material: PC Plastic**



**Outer carton unit (optional): 500 pcs/10 trays/box**



**Dimensions: cm**

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