RJ45 10G Base-T Single Port w/ LEDs

ARJ-128

RoHS/RoHS II Compliant

16.6 x 13.5 x 32.6 mm

FEATURES:

- Compliant with IEEE802.3an standard
- Designed to support 10G Base-T Transceivers
- RoHS peak wave solder temperature 260°C
- Provides signal conditioning, EMI suppression and signal isolation

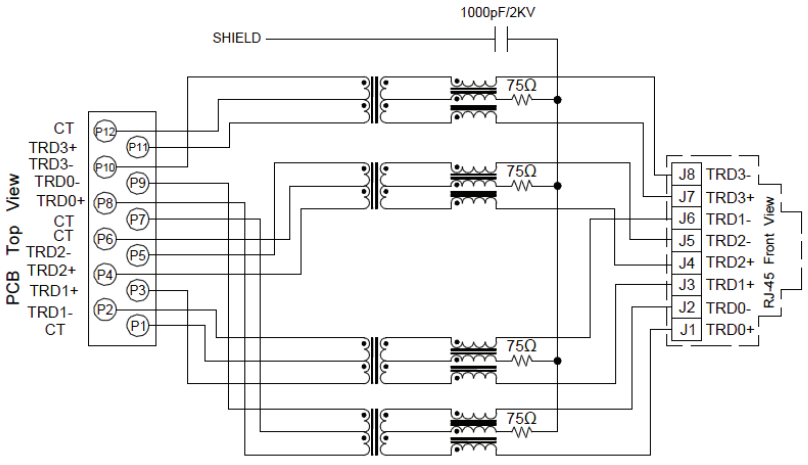
APPLICATIONS:

- Supports 10G Base-T application
- Compatible with 1Gbps and 100Mpbs data throughputs
- Designed for 10GBase-T Ethernet Switch, Servers, & Access Point Routers
- Compatible with most 10G PHY manufacturers

STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0		+70	°C	
Storage Temperature	-40		+85	°C	
Turn Ratio (± 3%)	1CT:1CT				Tx
	1CT:1CT				Rx
Inductance (OCL)	120			µH	100KHz/0.1V@8mA
Insertion Loss			-2.0	dB	1-100MHz
			-3.0		100-400MHz
Return Loss	-13			dB	1-100MHz
	-10				100-200MHz
	-7				200-400MHz
	-6				400-500MHz
Cross Talk		-28		dB	1-100MHz
		-19			100-500MHz
DCMR		-30		dB	1-250MHz
		-22			250-500MHz
Hi-Pot	1500Vrms/1mA/1Sec				Pri to Sec

SCHEMATICS



Standard LED	Wavelength	Forward*V(MAX)	TYP
Green	565nm	2.5v	2.2v
Yellow	585nm	2.5v	2.1v

With a forward current of 20mA

2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 07.01.15**
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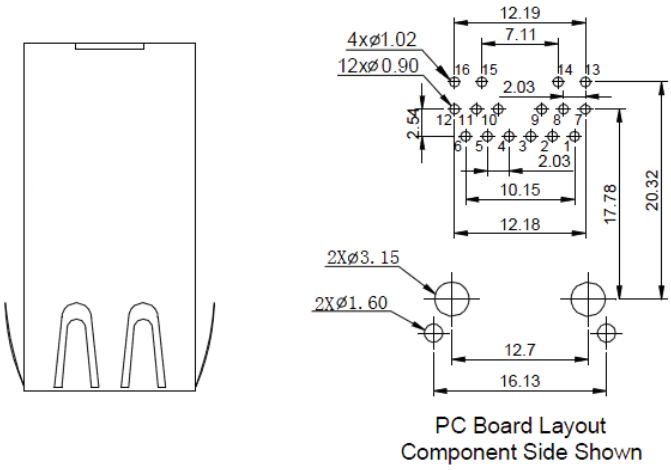
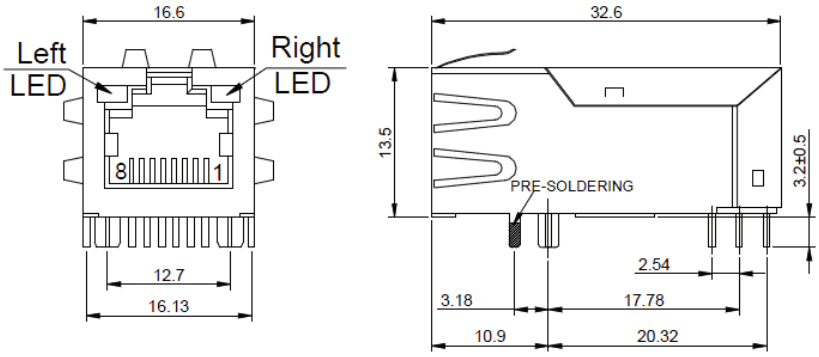
MECHANICAL DIMENSIONS

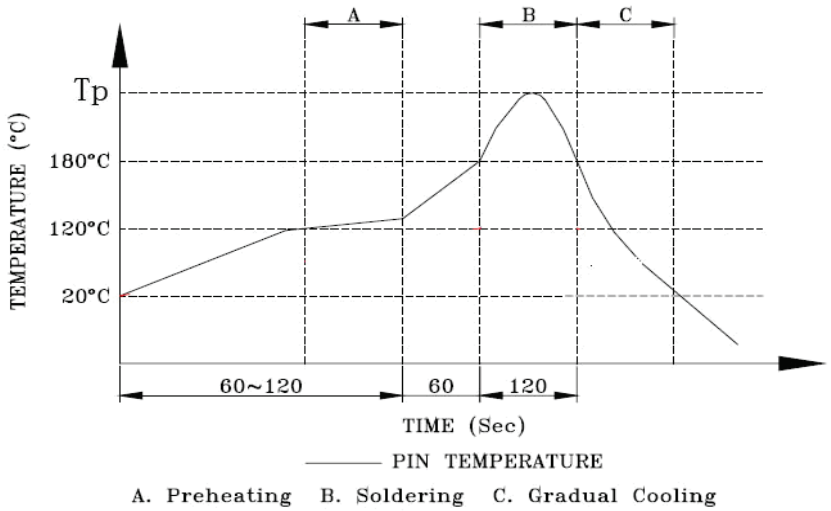


PC Board Layout
Component Side Shown



Dimensions: mm (Unless otherwise specified, all tolerances are ±0.25)

WAVE SOLDERING PROFILE



A. Preheating B. Soldering C. Gradual Cooling

Peak temperature (Tp) : 250± 10°C
Peak temperature (Tp) time : 5sec max

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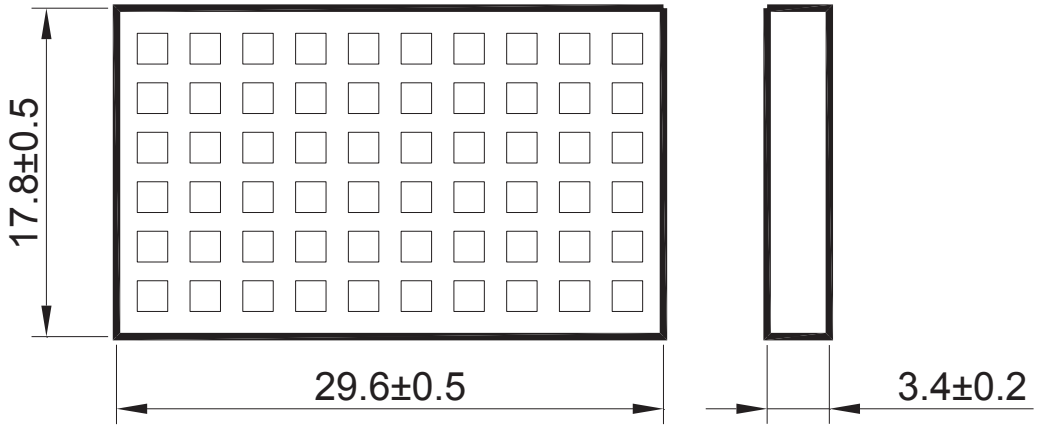
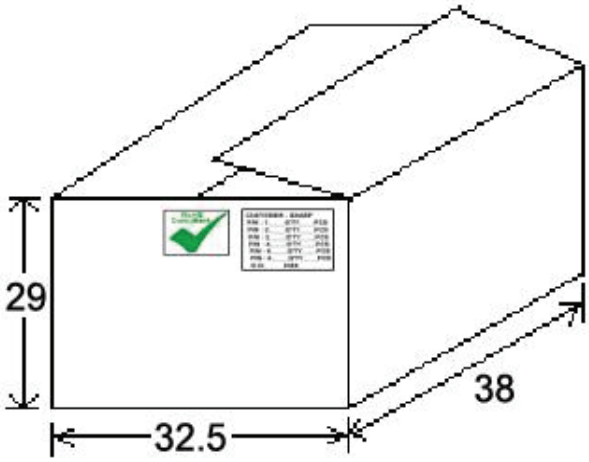
PACKING:

Packaging 60pcs/tray

Packaging Material: PET



Outer carton unit (optional): 840 pcs/ 14 Trays/box



Dimensions: cm

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