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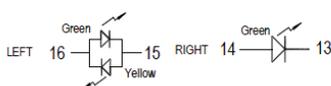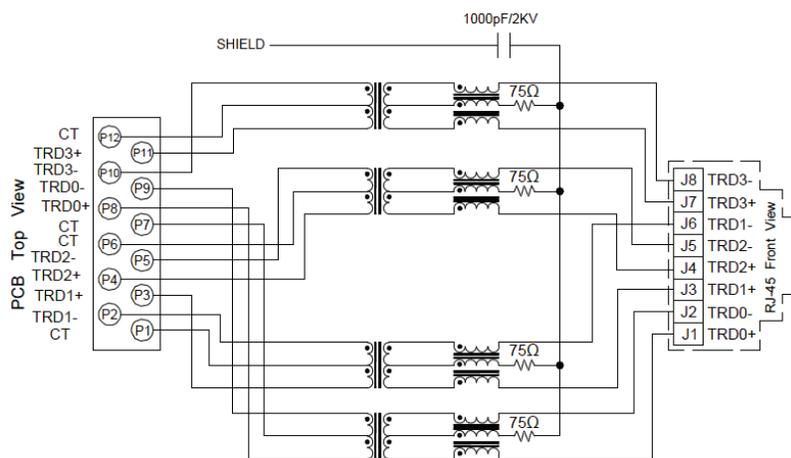
Standard LED	Wavelength	Forward* V(MAX)	TYP
Green	565nm	2.5v	2.2v
Yellow	585nm	2.5v	2.1v

With a forward current of 20mA

ABRACON LLC
The Power of Linking Together

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▷ MECHANICAL DIMENSIONS

4xØ1.02
12xØ0.90
2.54
2.03
2.03
12.19
7.11
10.15
12.18
17.78
20.32
2XØ3.15
2XØ1.60
12.7
16.13
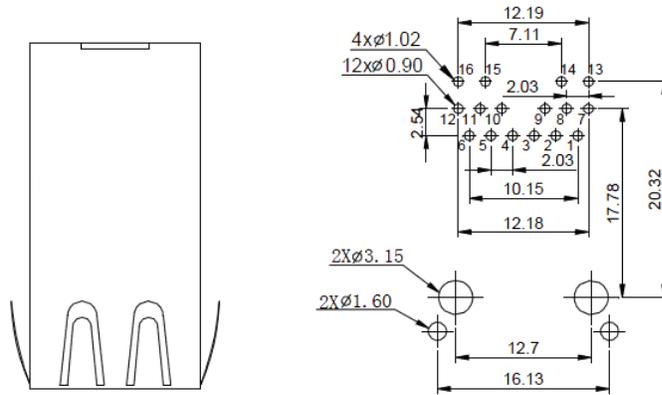
PC Board Layout
Component Side Shown

16.6
Left LED
Right LED
8 ... 1
12.7
16.13
13.5
PRE-SOLDERING
32.6
3.2±0.5
3.18
10.9
2.54
17.78
20.32
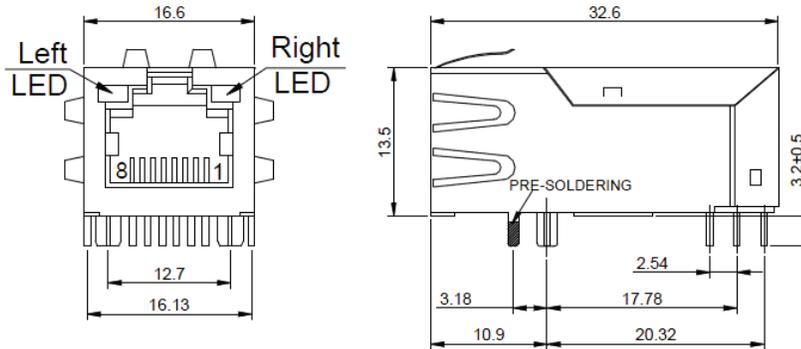
Dimensions: mm (Unless otherwise specified, all tolerances are ±0.25)

▷ WAVE SOLDERING PROFILE

A   B   C

Tp
180°C
120°C
20°C
TEMPERATURE (°C)

60~120   60   120
TIME (Sec)
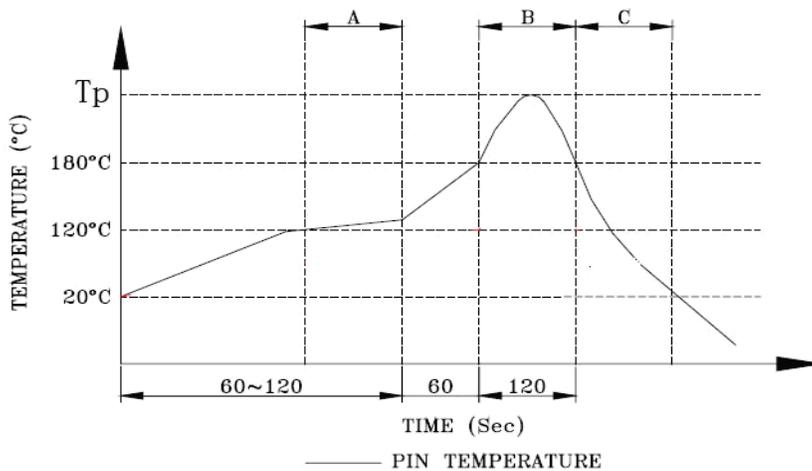
—— PIN TEMPERATURE

A. Preheating   B. Soldering   C. Gradual Cooling

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

▷ **PACKING:**

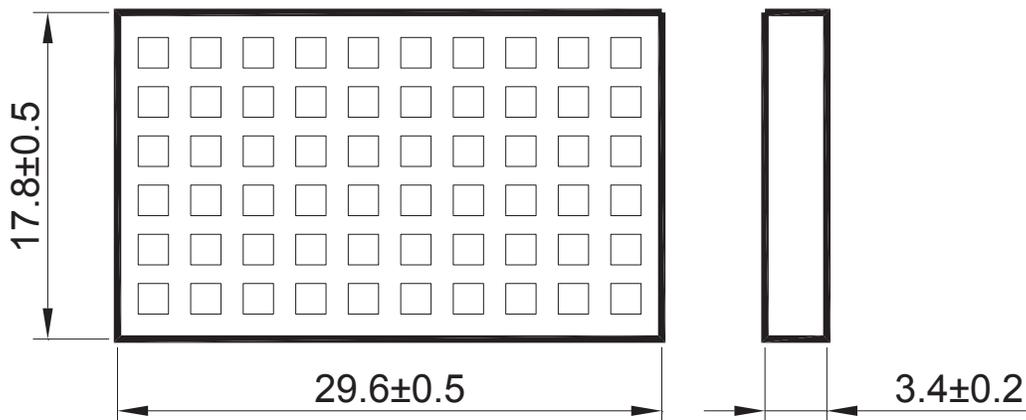**Packaging   60pcs/tray**

Packaging Material: PET

17.8±0.5

29.6±0.5

3.4±0.2

Outer carton unit (optional): 840 pcs/ 14 Trays/box
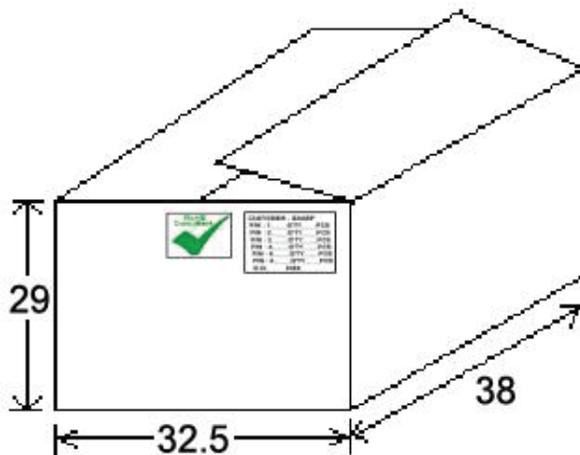
29

38

32.5

Dimensions: cm

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