

RJ45 Dual USB Jack with 10/100 Magnetic

ARJU31A

RoHS
Compliant



17.40 x 30.40 x 26.10mm

FEATURES:

- Tab up RJ 45 Jack + 2 USB
- Available with or without LED
- Suitable CAT 5 & 6 cable and UTP
- Comply IEEE 802.3ab
- LAN Magnetic with RJ45 Jack
- Suitable for RoHS compliant reflow

APPLICATIONS:

- 10 and 100 Base-TX
- NIC, LoM and PC

STANDARD SPECIFICATIONS

Operating temperature range: 0°C to +70°C Storage temperature range: -40°C to +85°C

Part Number	Turns Ratio		EMI Fingers	LEDs	Insertion Loss (dB max)	Return Loss (dB TYP @100Ω±15Ω)		
	TX	RX		L/R	1 – 65 MHz	1 - 10 MHz	30 MHz	60 – 80 MHz
ARJU31A-MASA-AD-B-E-LU2	1CT:1	1CT:1CT	Yes	GO/Y	-1.0	-20	-16	-12

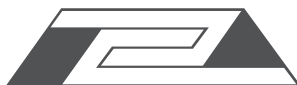
Part Number	Crosstalk (dB MIN)			Common Mode Rejection (dB TYP)		Hipot (Vrms)
	1-10 MHz	32-60 MHz	60-100 MHz	1 - 50 MHz	50 – 130 MHz	@ 60Hz
ARJU31A-MASA-AD-B-E-LU2	-40	-35	-30	-30	-20	1500

Contact Abracon for more custom configurations. See options to build a custom configuration.

OPTIONS AND PART IDENTIFICATION

ARJU31A - - - -

Mechanical	Schematic	Left LED color (e.g. B for Yellow, AB for Green-Yellow)	Right LED color (e.g. B for Yellow, AB for Green-Yellow)	LED polarity	Turns Ratio (Tx)	Turns Ratio (Rx)	Gold plating
MA (Please see mechanical section)	SA (Please see schematic section)	Blank: No LED A: Green B: Yellow C: Amber D: Orange	Blank: No LED A: Green B: Yellow C: Amber D: Orange	Blank: No LED E, F (Please see 7.0 LED polarity section)	K: 1CT:1.41 L: 1CT:1 M: 1CT:1CT N: 1.414:1CT O: 1CT:1.41CT P: 1:2CT Q: 1:1.414CT R: 1CT:2.5	S: 1CT:1.41 T: 1CT:1 U: 1CT:1CT V: 1.414:1CT W: 1CT:1.41CT X: 1:2CT Y: 1:1.414CT Z: 1CT:2.5	1: 3u “ 2: 6u “ 3: 15u “ 4: 30u “



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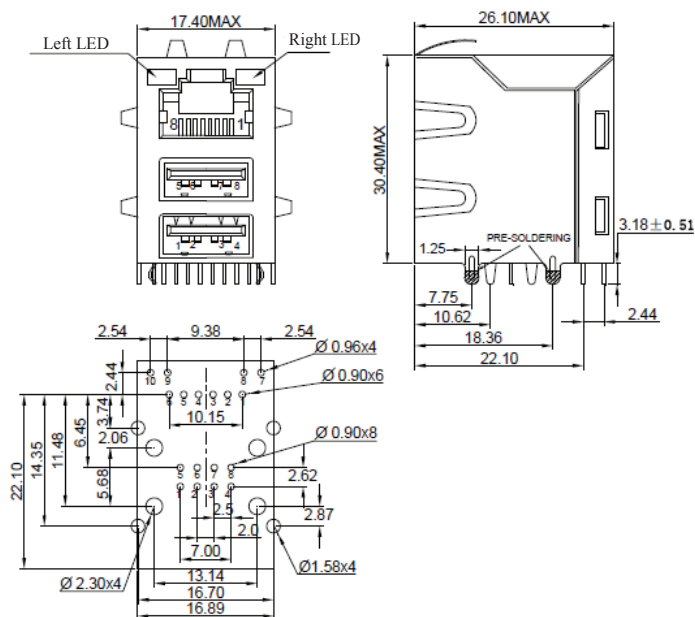
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MECHANICAL DIMENSIONS

MA

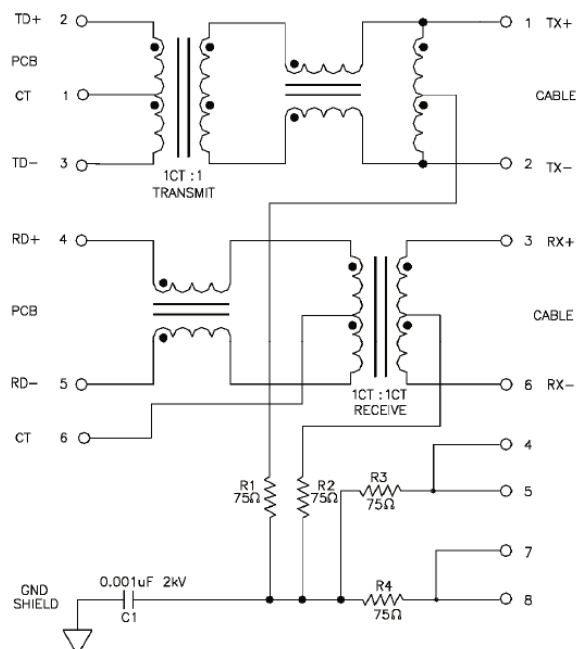


PC Board Layout
Component Side Shown

Dimension: mm. All tolerances are ± 0.25 unless otherwise specified

SCHEMATICS

SA



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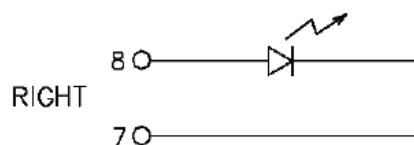
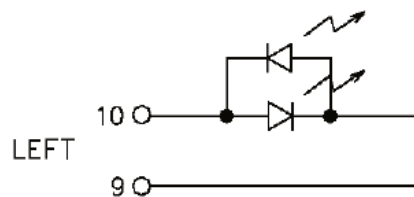
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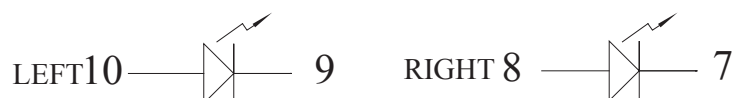
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LED POLARITY

E



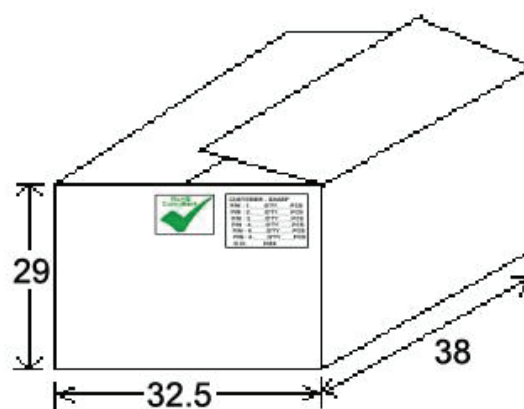
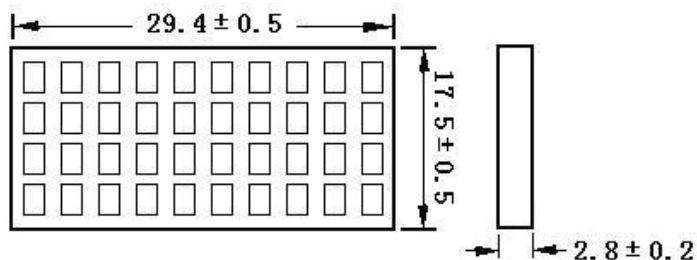
F



PACKING: 40pcs/tray

Packaging material: PET

Outer carton unit 640 pcs/ 16 Trays/box



Dimensions: cm

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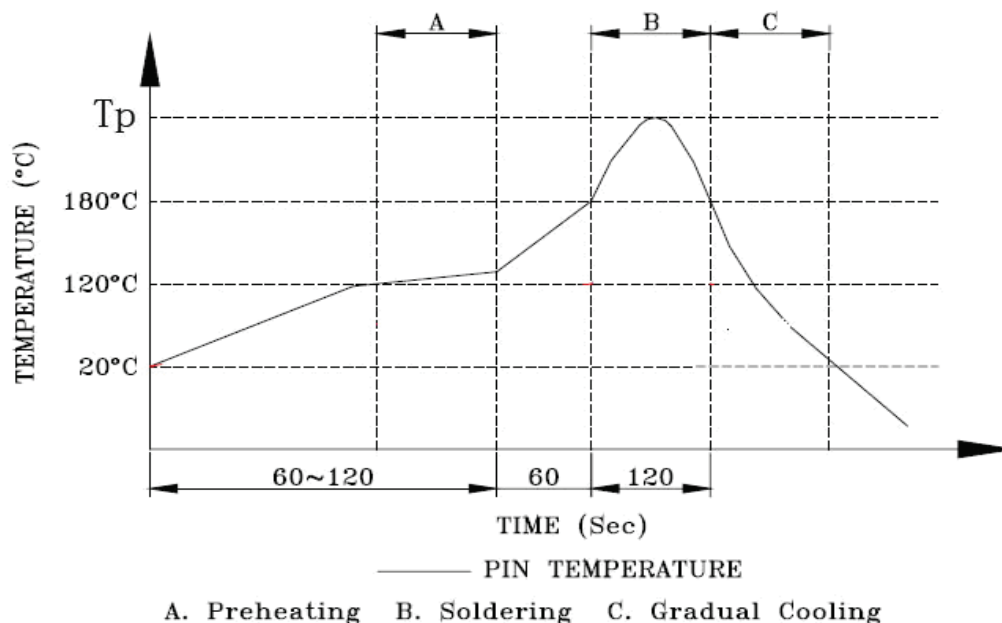
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REFLOW PROFILE:



Peak temperature(Tp) : 250± 10°C

Peak temperature(Tp) time : 5sec max

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