

RJ45 PoE 10/100 Base-TX Jack with Magnetic Module



ARJP11A Series

Request Samples



Check Inventory



16.26 x 13.84 x 21.59 mm

RoHS/RoHS II Compliant
MSL Level = 1

Features

- PoE
- Available with or without LED
- Suitable CAT 5 & 6 cable and UTP
- Comply IEEE 802.3ab
- LAN Magnetic with RJ45
- Suitable for RoHS compliant reflow

Applications

- 10/100 base-TX LAN
- NIC, LoM and PC

Electrical Specifications

Part Number	Turns Ratio $\pm 3\%$		EMI Fingers	LEDs	Insertion Loss (dB max)	Return Loss (dB MIN @100 Ω)			
	TX	RX		L/R	0.3- 100 MHz	0.5- 30 MHz	40 MHz	50 MHz	60 – 80 MHz
ARJP11A-MASA-B-A-EMU2	1CT:1CT	1CT:1CT	YES	Y/G	-1.1	-18	-15.5	-13.6	-12
ARJP11A-MASA-B-A-FMU2	1CT:1CT	1CT:1CT	YES	Y/G	-1.1	-18	-15.5	-13.6	-12
ARJP11A-MBSB-A-B-EMU2	1CT:1CT	1CT:1CT	YES	G/Y	-1.1	-18	-15.5	-13.6	-12
ARJP11A-MBSB-A-B-FMU2	1CT:1CT	1CT:1CT	YES	G/Y	-1.1	-18	-15.5	-13.6	-12

Part Number	Crosstalk (dB TYP)	Common Mode Rejection (dB TYP)			Hipot (Vrms min)
	0.3 - 100 MHz	0.3 - 30 MHz	30 - 60 MHz	60 - 100 MHz	
ARJP11A-MASA-B-A-EMU2	-38	-50	-40	-30	1500
ARJP11A-MASA-B-A-FMU2	-38	-50	-40	-30	1500
ARJP11A-MBSB-A-B-EMU2	-38	-50	-40	-30	1500
ARJP11A-MBSB-A-B-FMU2	-38	-50	-40	-30	1500

Operating Temperature: 0°C ~ +70°C.

Storage Condition: -40°C ~ +85°C



5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 Fax: 512-351-8858
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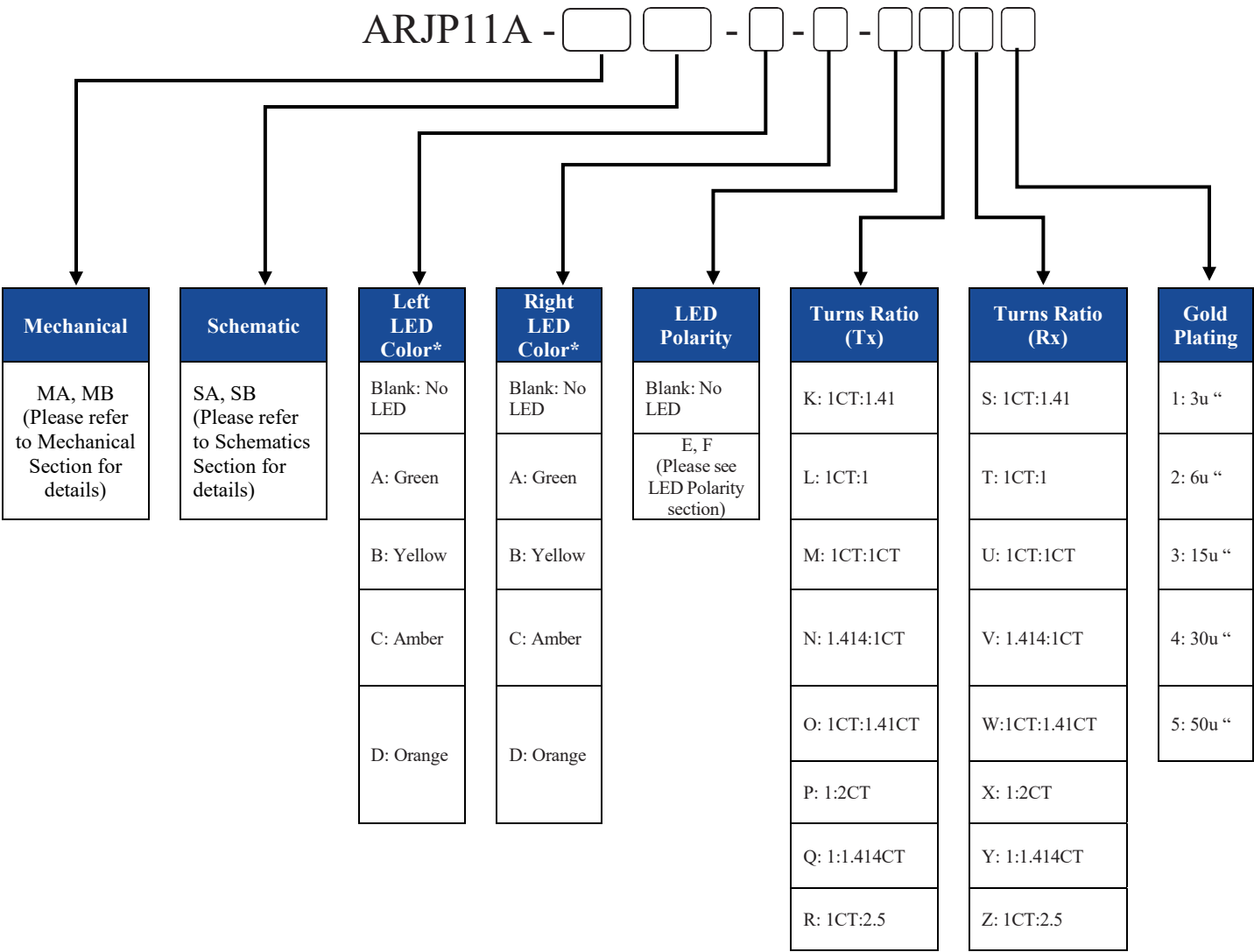
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Part Identification



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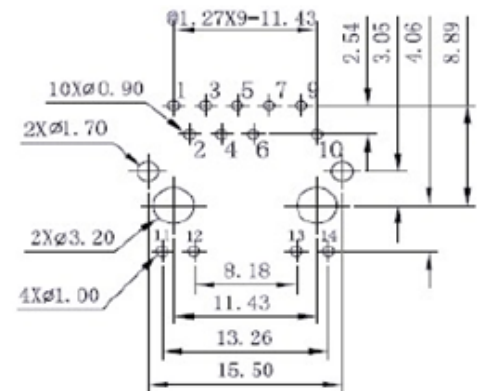
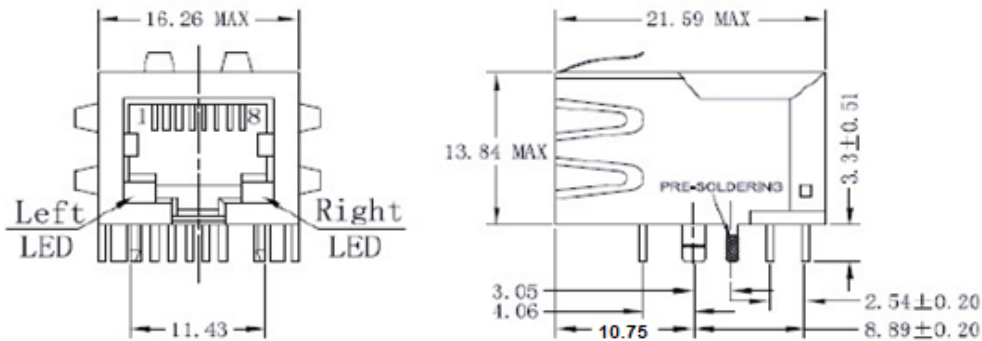


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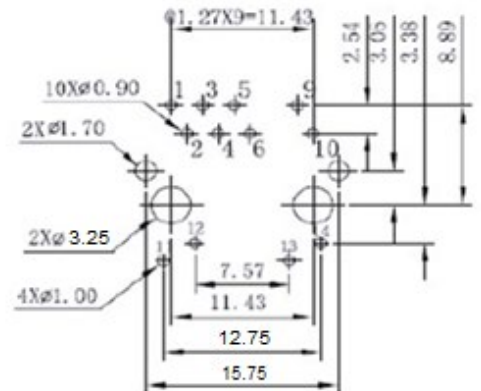
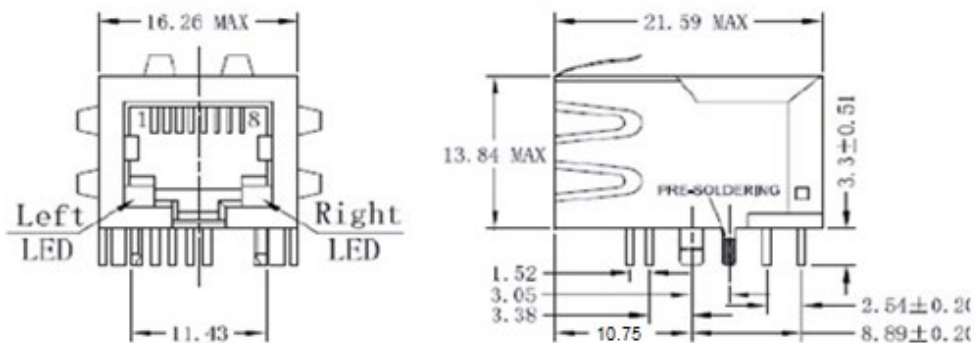
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Mechanical Specifications

MA



MB



Dimensions: mm
Tolerances: ±0.25mm



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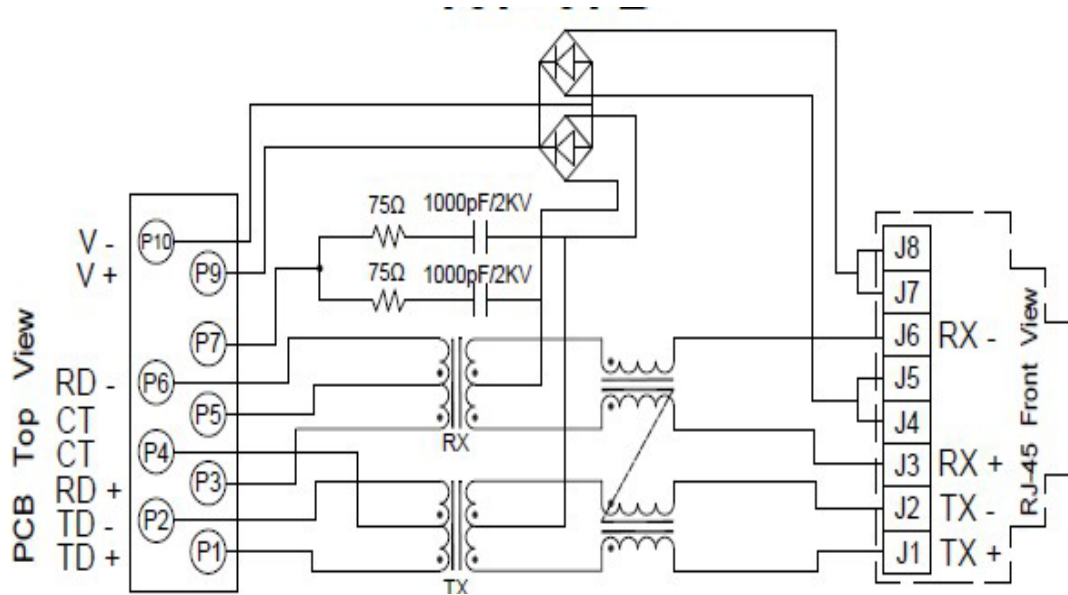


16.26 x 13.84 x 21.59 mm

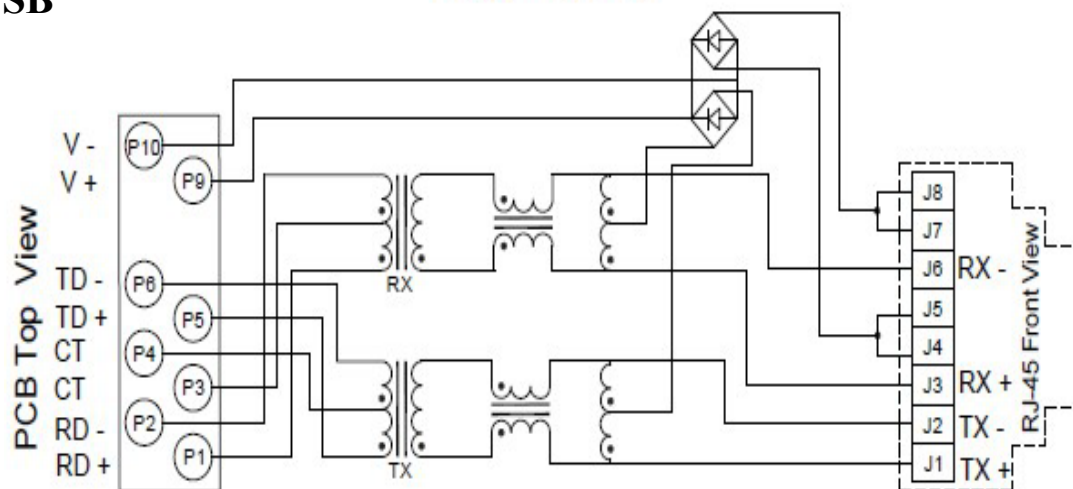
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Schematics

SA



SB



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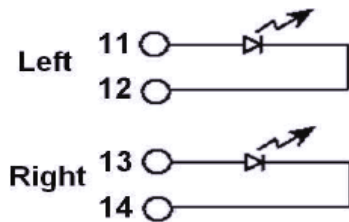


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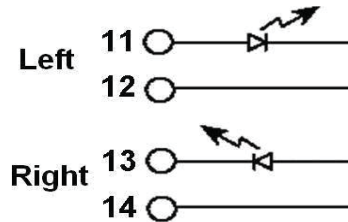
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LED Polarity

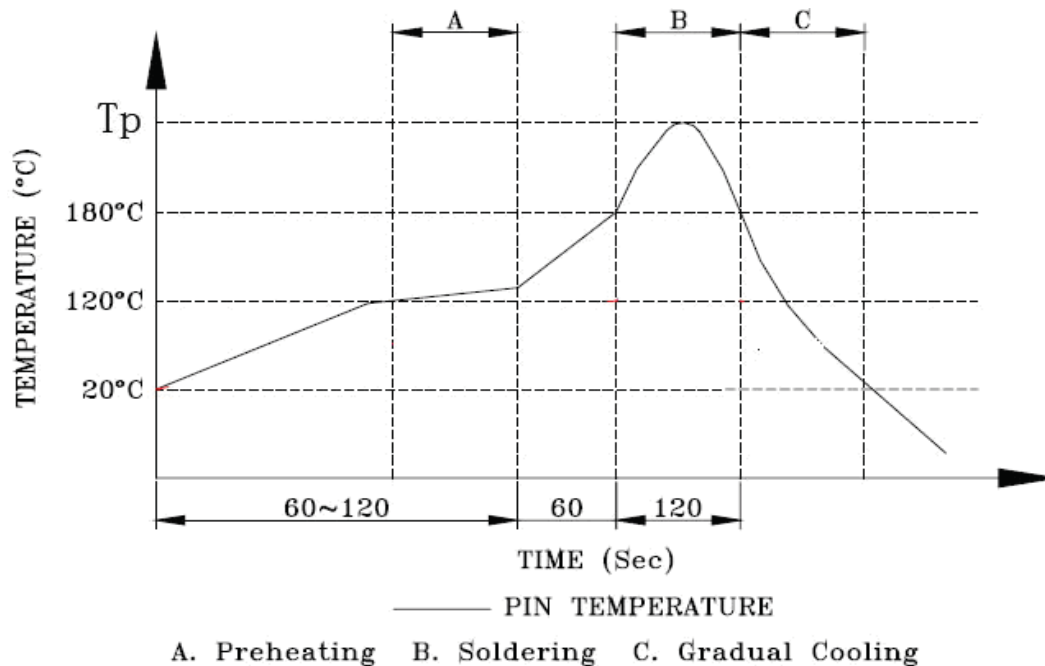
E



F



Reflow Profile



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

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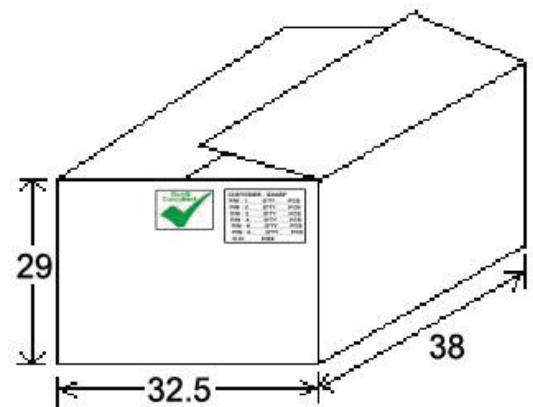
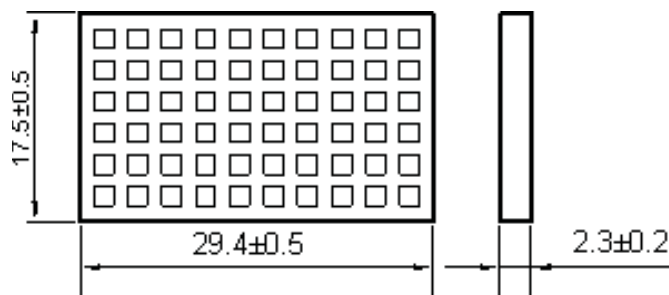
MSL Level = 1

Packaging

Material: PET

Trays: 22 /box

Outer Carton: 1320 pcs



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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