

RJ45 10/100 Base-T Jack with Magnetic Module

ARJ11D

RoHS
Compliant



16.26 x 13.84 x 21.59mm

FEATURES:

- Available with or without LED
- Suitable CAT 5 & 6 cable and UTP
- Comply IEEE 802.3ab
- LAN Magnetic with RJ4
- Suitable for RoHS compliant reflow

APPLICATIONS:

- 10/100 Base-T LAN
- NIC, LoM and PC

STANDARD SPECIFICATIONS at 25°C

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

Part Number	Turns Ratio		EMI Fingers	LEDs L/R	Insertion Loss (dB TYP) 1-65 MHz	Return Loss (dB TYP @ 100Ω±15Ω)			
	TX	RX				1- 10 MHz	10-30 MHz	30-60 MHz	60 – 80 MHz
ARJ11D-MCSA-LU2	1CT:1	1CT:1CT	Yes	NONE	-1	-20	-16	-12	-10
ARJ11D-MASB-B-A-□MU2	1CT:1CT	1CT:1CT	Yes	Y/G	-1	-20	-16	-12	-10
ARJ11D-MCSC-LU2	1CT:1	1CT:1CT	Yes	NONE	-1	-20	-16	-12	-10
ARJ11D-MDSD-A-B-□LT2	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10
ARJ11D-MCSD-LT2	1CT:1	1CT:1	Yes	NONE	-1	-20	-16	-12	-10
ARJ11D-MDSE-A-B-□MU2	1CT:1CT	1CT:1CT	No	G/Y	-1	-20	-16	-12	-10
ARJ11D-MASE-A-B-□MU2	1CT:1CT	1CT:1CT	Yes	G/Y	-1	-20	-16	-12	-10
ARJ11D-MDSG-B-A-□MU2	1CT:1CT	1CT:1CT	No	Y/G	-1	-20	-16	-12	-10
ARJ11D-MASG-B-A-□MU2	1CT:1CT	1CT:1CT	Yes	Y/G	-1	-20	-16	-12	-10
ARJ11D-MASG-A-A-□MU2	1CT:1CT	1CT:1CT	Yes	G/G	-1	-20	-16	-12	-10
ARJ11D-MESH-LU2	1CT:1	1CT:1CT	Yes	NONE	-1	-20	-16	-12	-10
ARJ11D-MDSH-A-B-□LU2	1CT:1	1CT:1CT	No	G/Y	-1	-20	-16	-12	-10
ARJ11D-MASH-B-A-□LU2	1CT:1	1CT:1CT	Yes	Y/G	-1	-20	-16	-12	-10
ARJ11D-MBSJ-A-DA-HLT2	1CT:1	1CT:1	Yes	G/O_G	-1	-20	-16	-12	-10
ARJ11D-MBSK-A-DA-HMU2	1CT:1CT	1CT:1CT	Yes	G/O_G	-1	-20	-16	-12	-10
ARJ11D-MBSL-A-DA-HLU2	1CT:1	1CT:1CT	Yes	G/O_G	-1	-20	-16	-12	-10

Part Number	Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms) @60Hz
	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	
ARJ11D-MCSA-LU2	-40	-35	-30	-30	-20	1500
ARJ11D-MASB-B-A-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MCSC-LU2	-40	-35	-30	-30	-20	1500
ARJ11D-MDSD-A-B-□LT2	-40	-35	-30	-30	-20	1500
ARJ11D-MCSD-LT2	-40	-35	-30	-30	-20	1500
ARJ11D-MDSE-A-B-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MASE-A-B-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MDSG-B-A-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MASG-B-A-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MASG-A-A-□MU2	-40	-35	-30	-30	-20	1500
ARJ11D-MESH-LU2	-40	-35	-30	-30	-20	1500
ARJ11D-MDSH-A-B-□LU2	-40	-35	-30	-30	-20	1500
ARJ11D-MASH-B-A-□LU2	-40	-35	-30	-30	-20	1500
ARJ11D-MBSJ-A-DA-HLT2	-40	-35	-30	-30	-20	1500
ARJ11D-MBSK-A-DA-HMU2	-40	-35	-30	-30	-20	1500
ARJ11D-MBSL-A-DA-HLU2	-40	-35	-30	-30	-20	1500

□: LED Polarity Option

ARJ11D-MA: E, F or G
ARJ11D-MD: E, F or G

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

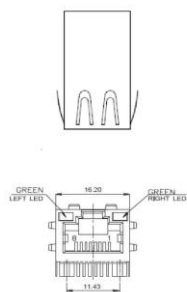


ARJ11D

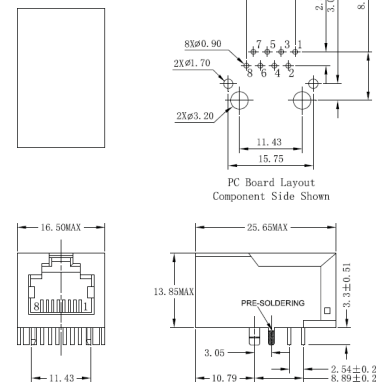
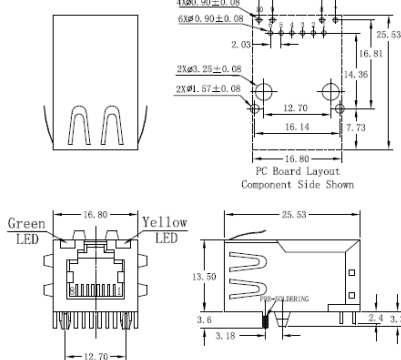
RoHS
Compliant

ARJ11D - - - -

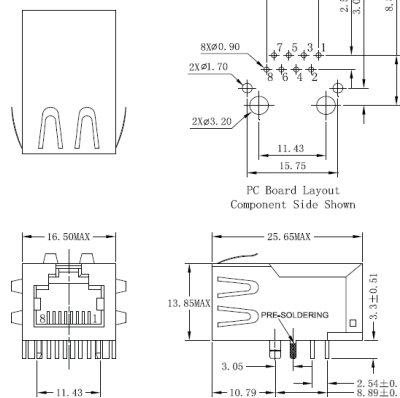
MECHANICAL DIMENSIONS



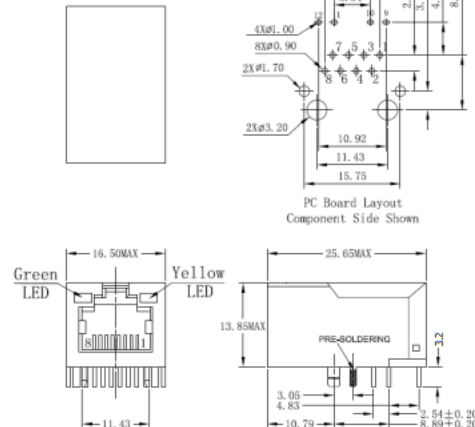
Suggested PCB Layout (Component Side)



PC Board Layout
Component Side Show



PC Board Layout
Component Side Shown



PC Board Layout
Component Side Shown

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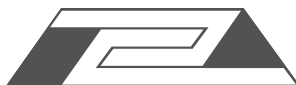
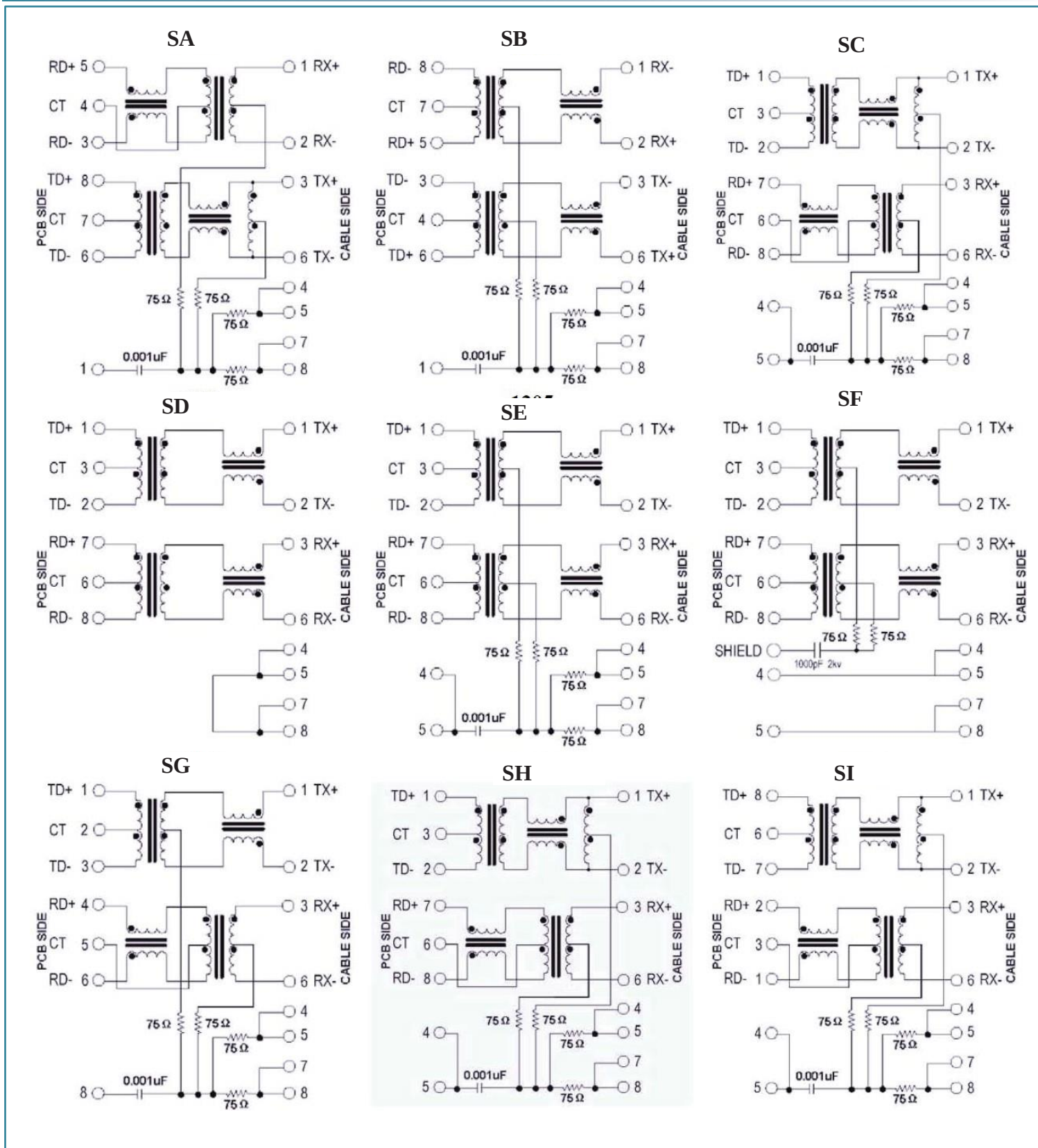
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16.26 x 13.84 x 21.59mm

SCHEMATICS



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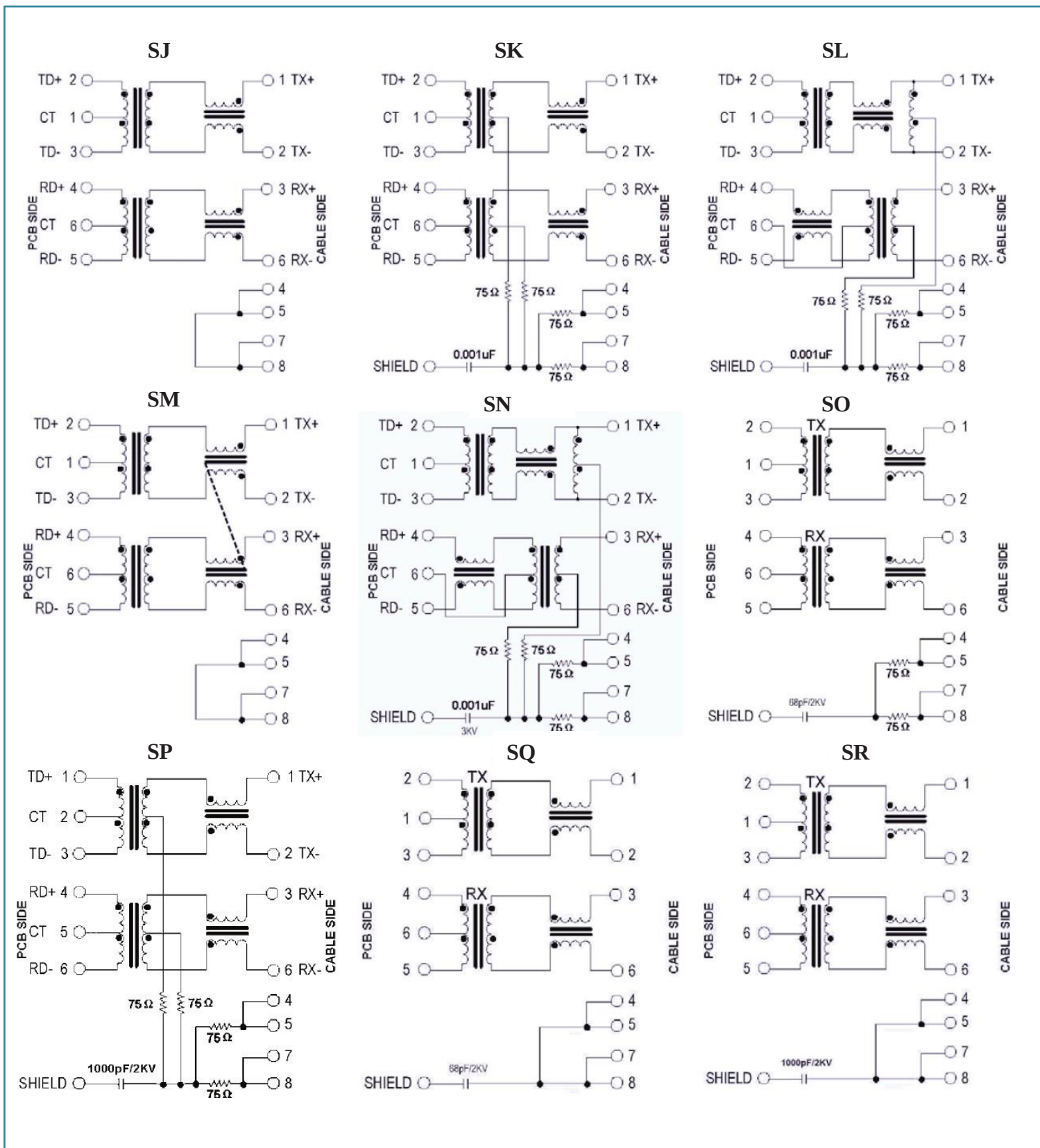
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SCHEMATICS - continued



RJ45 10/100 Base-T Jack with Magnetic Module

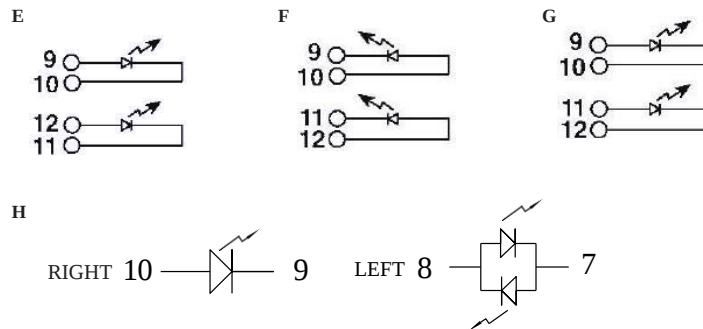
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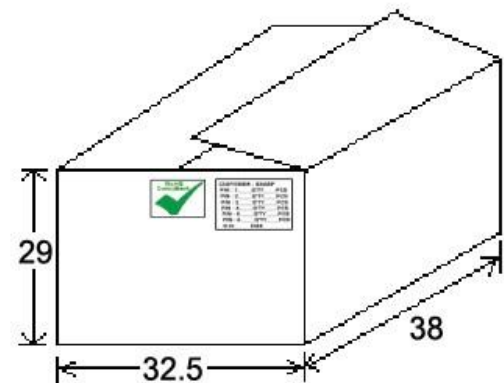
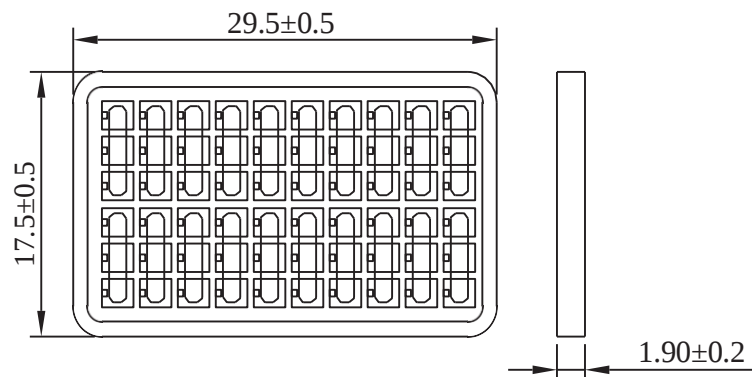
LED POLARITY



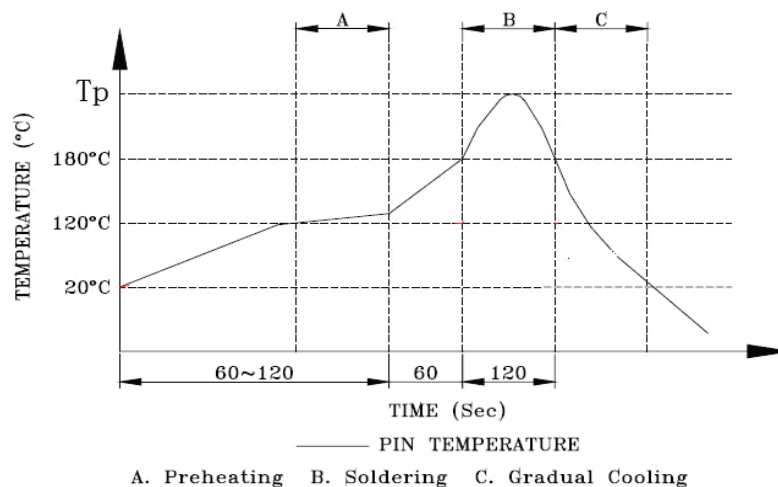
PACKING: 60pcs/tray

Packing 60pcs/tray
Packaging material: PET

Outer carton unit 1320 pcs/ 22 Trays/box



REFLOW PROFILE:



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