

# RJ45 10/100 Base-T Jack with Magnetic Module



16.26 x 13.84 x 21.59mm

ARJ11D

**RoHS**  
Compliant

## 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.

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Revised: 05.03.11

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16.26 x 13.84 x 21.59mm

ARJ11D

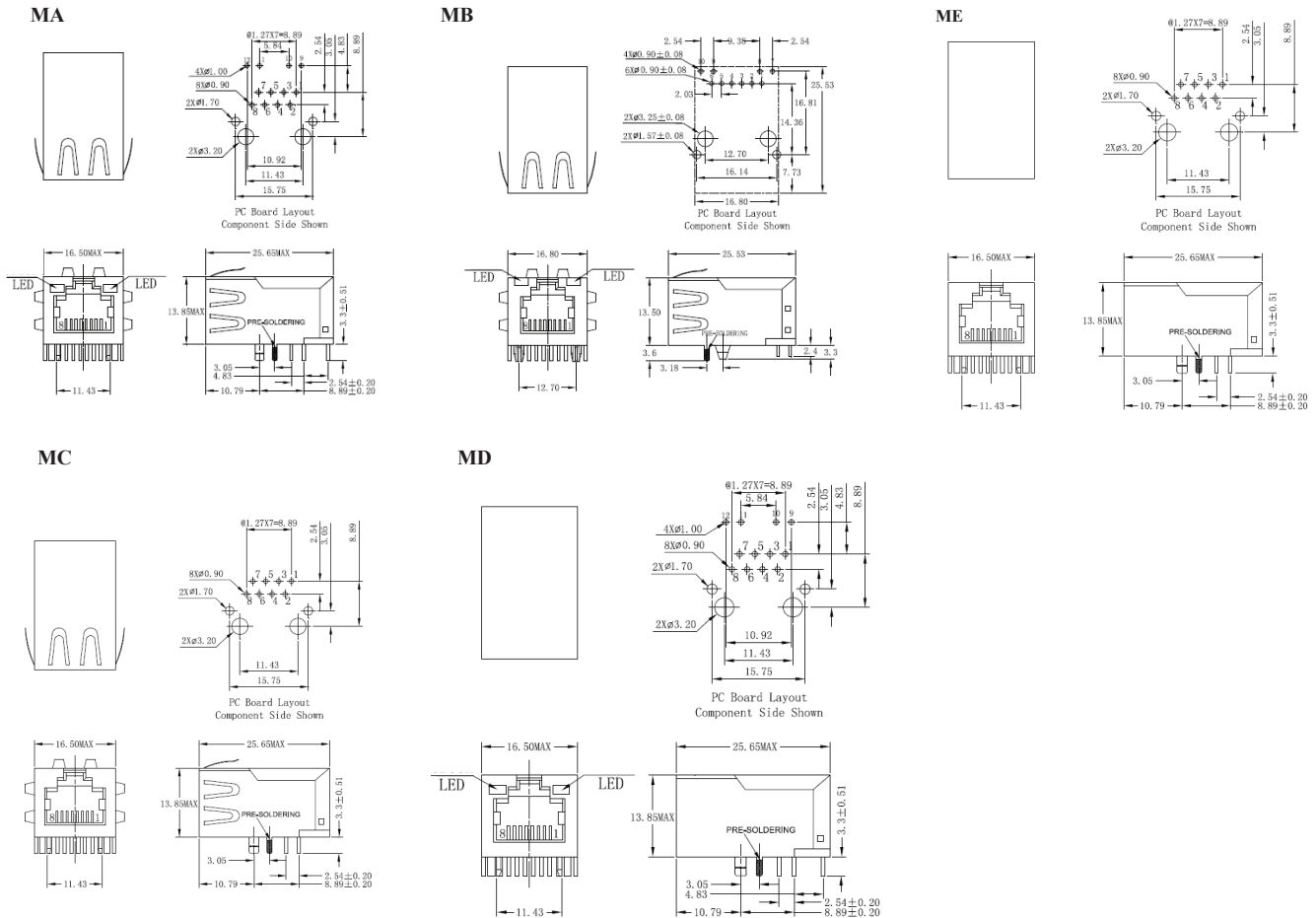
RoHS  
Compliant

## OPTIONS AND PART IDENTIFICATION

ARJ11D -  -  -  -  -  -  -

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, MB (Please see mechanical section)	SA ~ SR (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 ~ I (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 " 5: 50u "

## MECHANICAL DIMENSIONS



Dimension: mm. All tolerances are ±0.25

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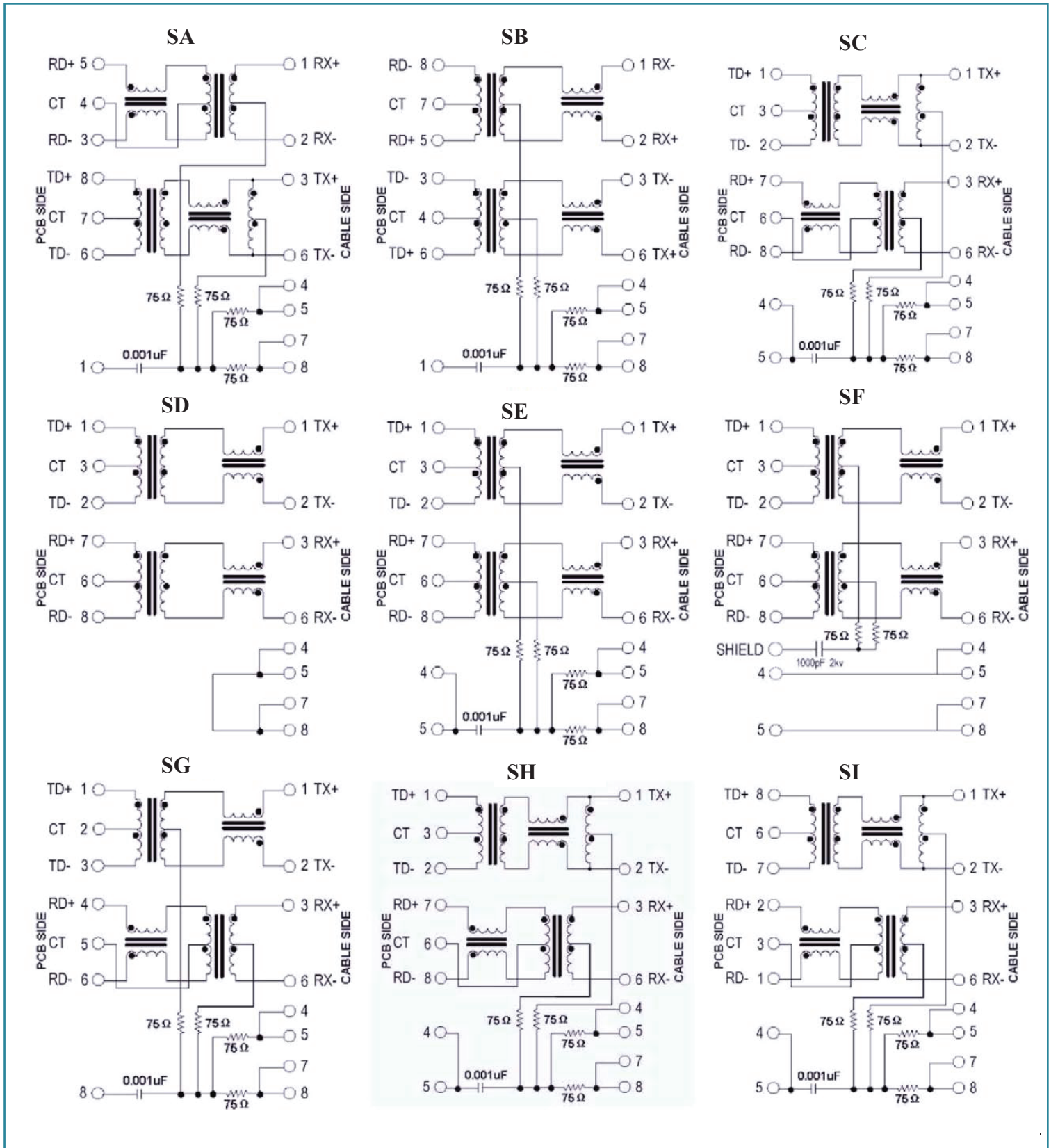


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## SCHEMATICS



# RJ45 10/100 Base-T Jack with Magnetic Module

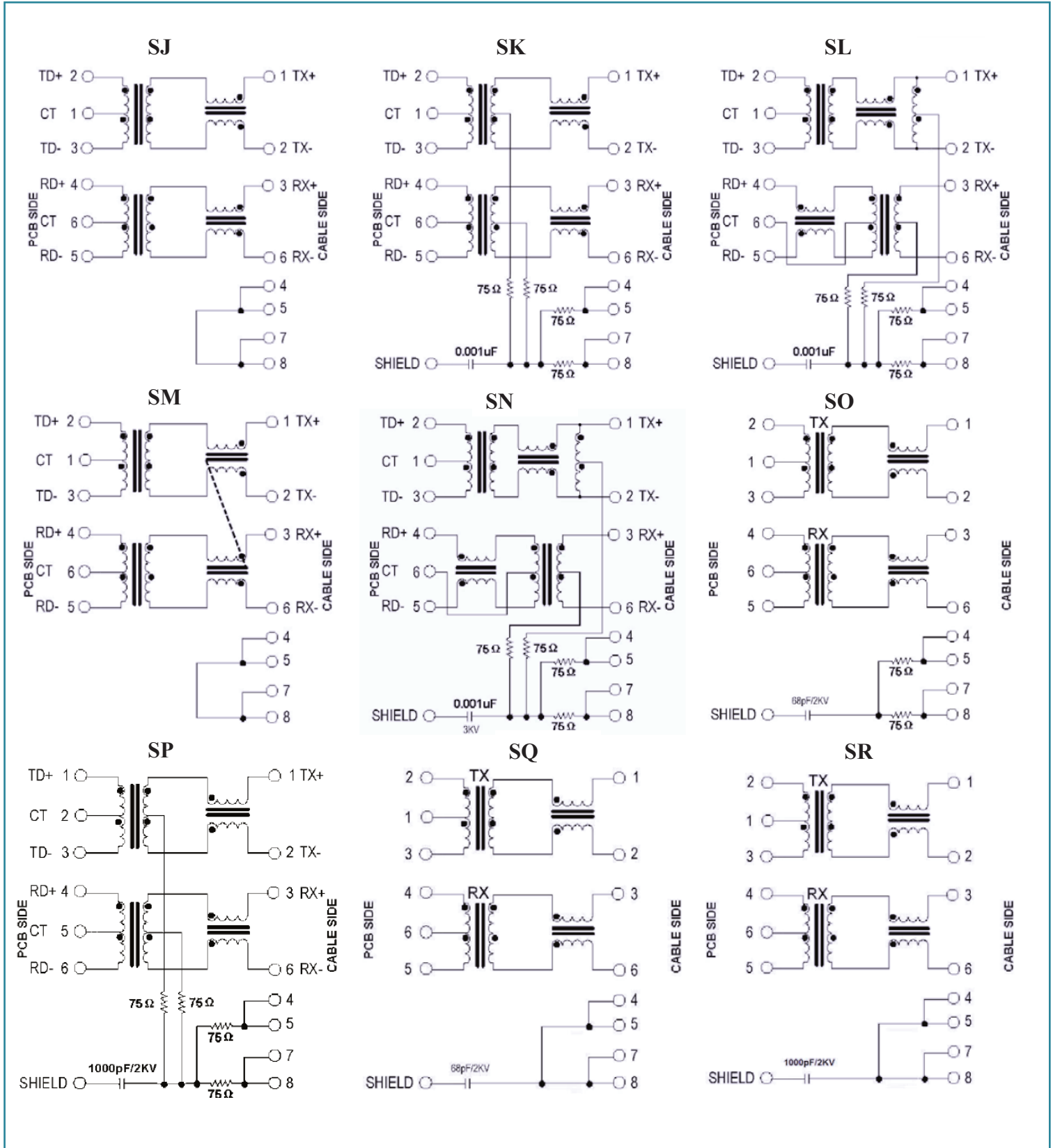


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## SCHEMATICS - continued



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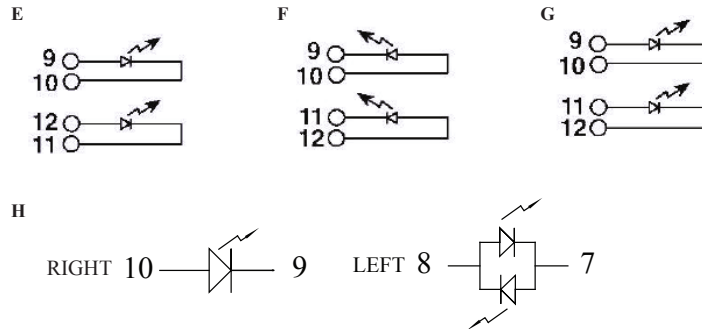
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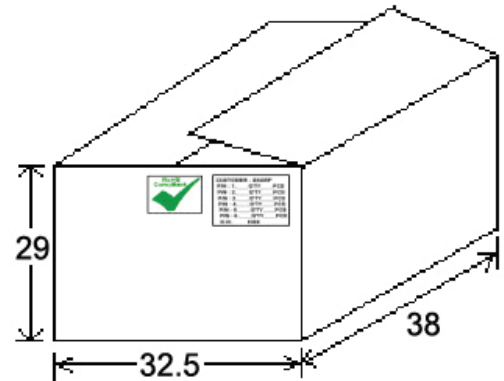
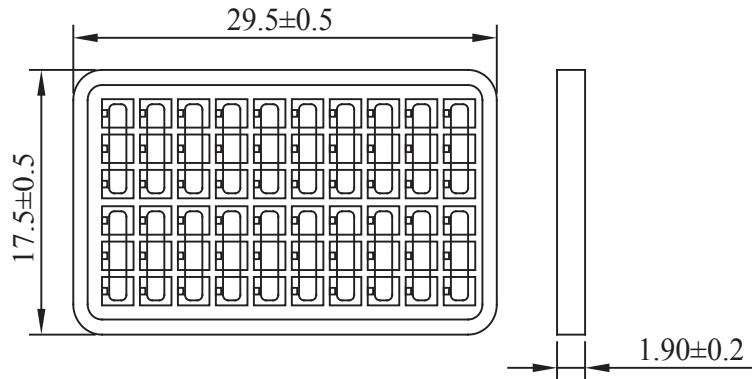
## LED POLARITY



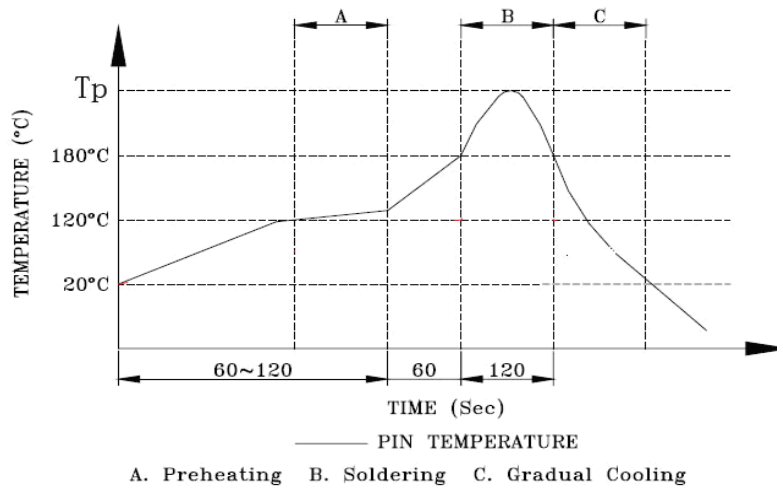
## PACKING: 60pcs/tray

Packing 60pcs/tray  
Packaging material: PET

Outer carton unit 1320 pcs/ 22 Trays/box



## REFLOW PROFILE:



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