

RJ45 10/100 Base-T Jack with Magnetic Module

ARJ11B

RoHS
Compliant



16.26 x 13.84 x 21.59mm

FEATURES:

- Excellent EMI suppression
- Meet IEEE 802.3 standards and FCC mechanical requirements
- Low Cost, RoHS Compliant Reflow-able device

APPLICATIONS:

- LAN-on-Motherboard (LOM)
- SOHO (ADSL modems), Hubs.
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP

STANDARD SPECIFICATIONS:

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

Part Number	Turns Ratio $\pm 5\%$		EMI Fingers	LED (L/R)	Insertion Loss (dB max)
	TX	RX			0.3-100 MHz
ARJ11B-MASAA-MU2 to ARJ11B-MASAI-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MASAJ-MU2 to ARJ11B-MASAM-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MASAN-LU2 to ARJ11B-MASBF-LU2	1CT:1	1CT:1CT	YES	---	-1
ARJ11B-MESCB-A-B-ELT2	1CT:1	1CT:1	NO	G/Y	-1
ARJ11B-MASCB-LT2	1CT:1	1CT:1	YES	---	-1
ARJ11B-MBSCB-A-B-ELT2	1CT:1	1CT:1	YES	G/Y	-1
ARJ11B-MDSBQ-MU2	1CT:1CT	1CT:1CT	NO	---	-1
ARJ11B-MESBQ-A-B-EMU2	1CT:1CT	1CT:1CT	NO	G/Y	-1
ARJ11B-MASBQ-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MBSBQ-A-B-EMU2	1CT:1CT	1CT:1CT	YES	G/Y	-1
ARJ11B-MFSBQ-A-A-EMU2	1CT:1CT	1CT:1CT	YES	G/G	-1
ARJ11B-MASAJ-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MASBR-QU2	1CT:1.414CT	1CT:1CT	YES	---	-1
ARJ11B-MFSBR-A-A-EQU2	1CT:1.414CT	1CT:1CT	YES	G/G	-1
ARJ11B-MDSAO-LU2	1CT:1	1CT:1CT	NO	---	-1
ARJ11B-MESAO-A-B-ELU2	1CT:1	1CT:1CT	NO	G/Y	-1
ARJ11B-MESAO-A-A-ELU2	1CT:1	1CT:1CT	NO	G/G	-1
ARJ11B-MASAO-LU2	1CT:1	1CT:1CT	YES	---	-1
ARJ11B-MBSAO-A-B-ELU2	1CT:1	1CT:1CT	YES	G/Y	-1
ARJ11B-MFSAO-A-A-ELU2	1CT:1	1CT:1CT	YES	G/G	-1
ARJ11B-MFSAO-BA-A-GLU2	1CT:1	1CT:1CT	YES	YG/G	-1
ARJ11B-MBSAP-A-B-ELU2	1CT:1	1CT:1CT	YES	G/Y	-1
ARJ11B-MASAC-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MASAD-OW2	1CT:1.41CT	1CT:1.41CT	YES	---	---
ARJ11B-MBSAI-A-B-EMU2	1CT:1CT	1CT:1CT	YES	G/Y	-1
ARJ11B-MASCC-MU2	1CT:1CT	1CT:1CT	YES	---	-1
ARJ11B-MESBW-B-A-EMU2	1CT:1CT	1CT:1CT	NO	Y/G	-1



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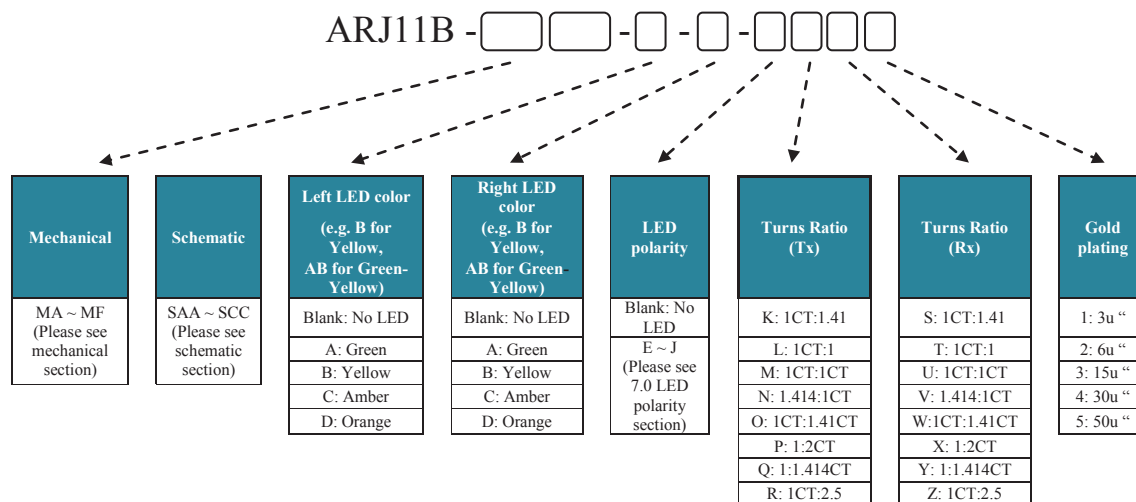
16.26 x 13.84 x 21.59mm

STANDARD SPECIFICATIONS: 25°C (contd)

Part Number	Return Loss (dB min @ 100Ω±15Ω)				Crosstalk (dB min)			Common Mode Rejection (dB min)			Hipot (Vrms)
	1- 30 MHz	40 MHz	50 MHz	60-80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
ARJ11B-MASAA-MU2 to ARJ11B-MASAI-MU2	-18	-16	-14	-12	-45	-40	-35	-35	-30	-25	1500
ARJ11B-MASAJ-MU2 to ARJ11B-MASAM-MU2	-18	-16	-14	-12	-45	-40	-35	-35	-30	-25	1500
ARJ11B-MASAN-LU2 to ARJ11B-MASBF-LU2	-18	-16	-14	-12	-45	-40	-35	-35	-30	-25	1500
ARJ11B-MESCB-A-B-ELT2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASCB-LT2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MBSCB-A-B-ELT2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MDSBQ-MU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MESBQ-A-B-EMU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASBQ-MU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MBSBQ-A-B-EMU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MFSBQ-A-A-EMU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASAJ-MU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASBR-QU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MFSBR-A-A-EQU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MDSAO-LU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MESAO-A-B-ELU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MESAO-A-A-ELU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASAO-LU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MBSAO-A-B-ELU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MFSAO-A-A-ELU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MFSAO-BA-A-GLU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MBSAP-A-B-ELU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASAC-MU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASAD-OW2	--	--	--	--	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MBSAI-A-B-EMU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MASCC-MU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500
ARJ11B-MESBW-B-A-EMU2	-18	-16	-12	-10	-40	-35	-30	-30	-20	-20	1500

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

OPTIONS & PART IDENTIFICATION:



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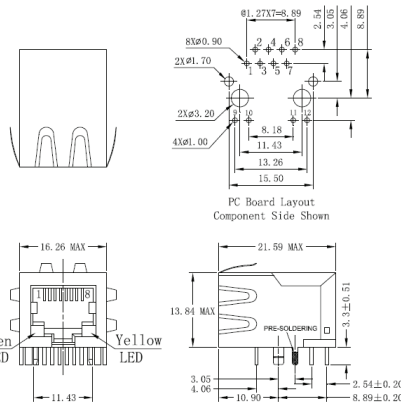
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▶ OUTLINE DRAWING:



PC BOARD LAYOUT

Component Side Shown

Figure 1: Dimensions of the LED component. The figure includes three diagrams: a top view of the LED package, a side view of the component, and a detailed PCB layout. The top view shows a rectangular package with a width of 16.26 MAX and a length of 11.43. The side view shows a height of 13.84 MAX. The PCB layout shows the component's footprint with dimensions for pin spacing (2.54, 3.05, 4.06, 8.89), pin width (8XØ0.90), pin pitch (2XØ1.70), and other mounting features.

LED pins are parallel

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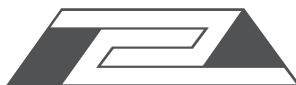
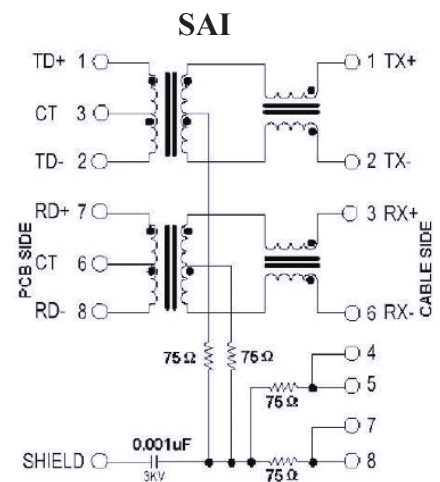
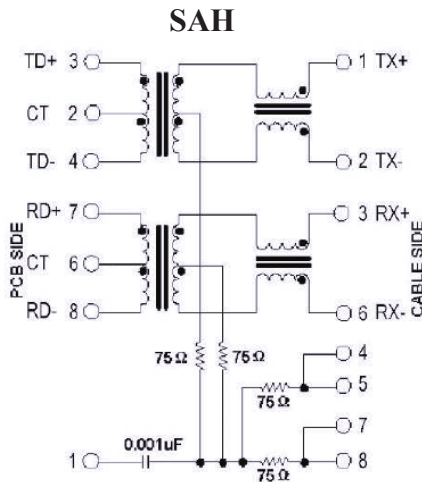
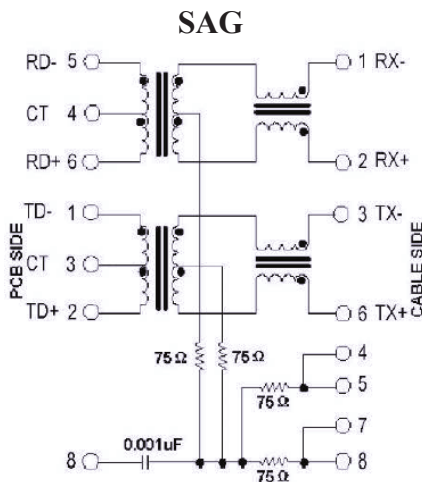
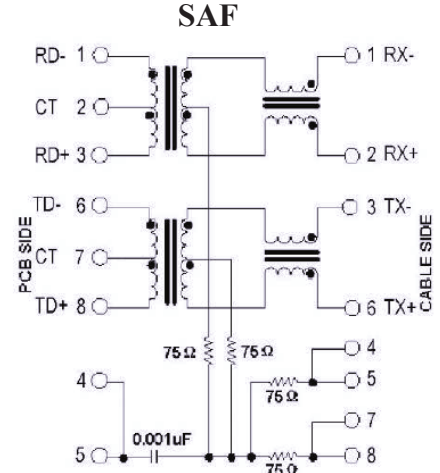
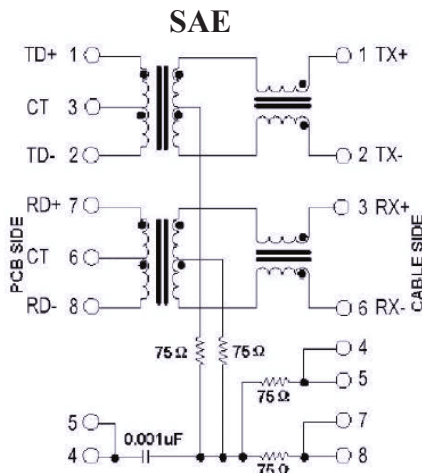
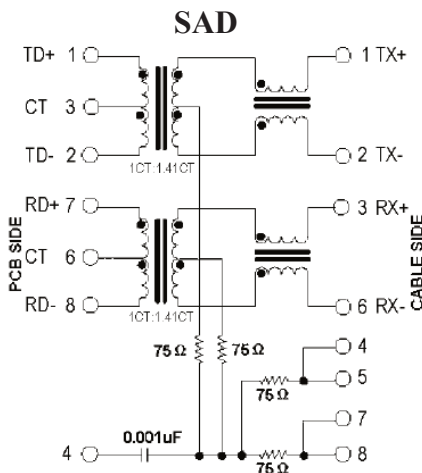
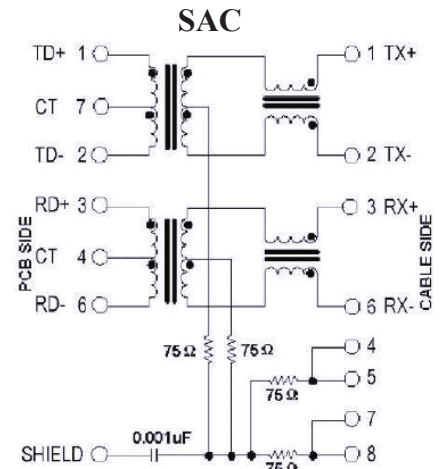
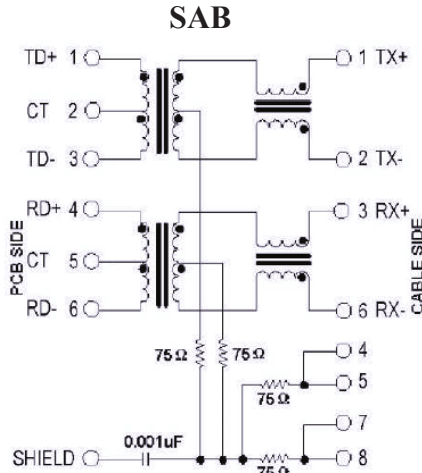
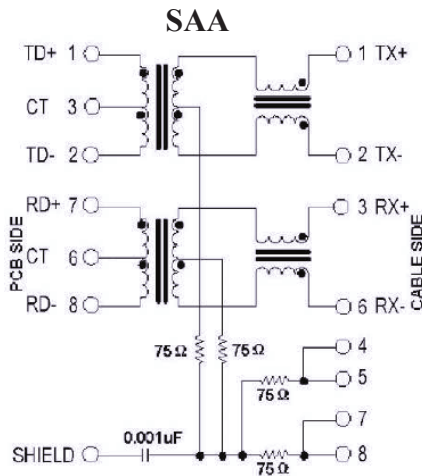
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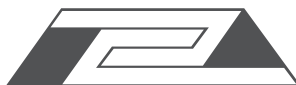
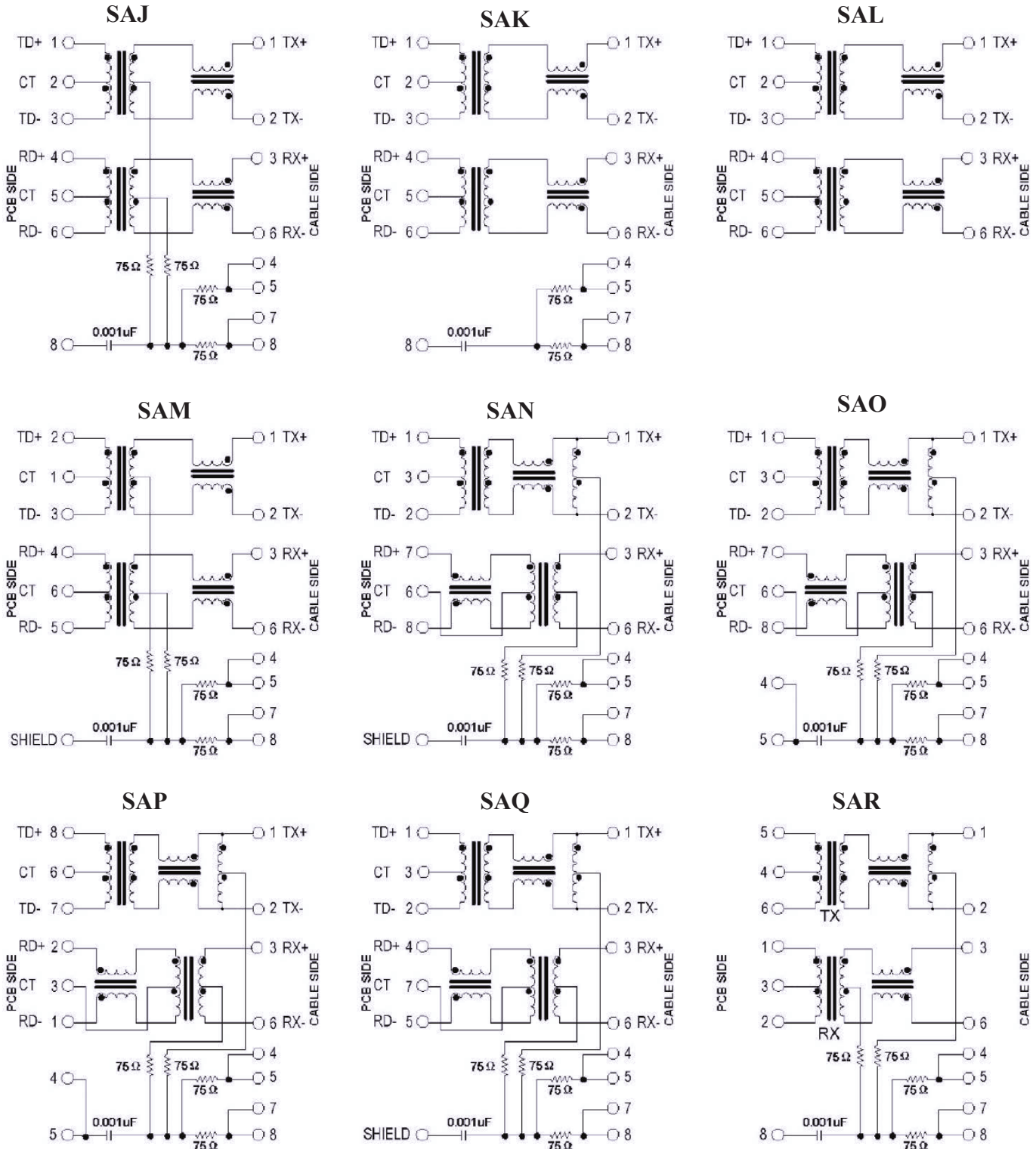
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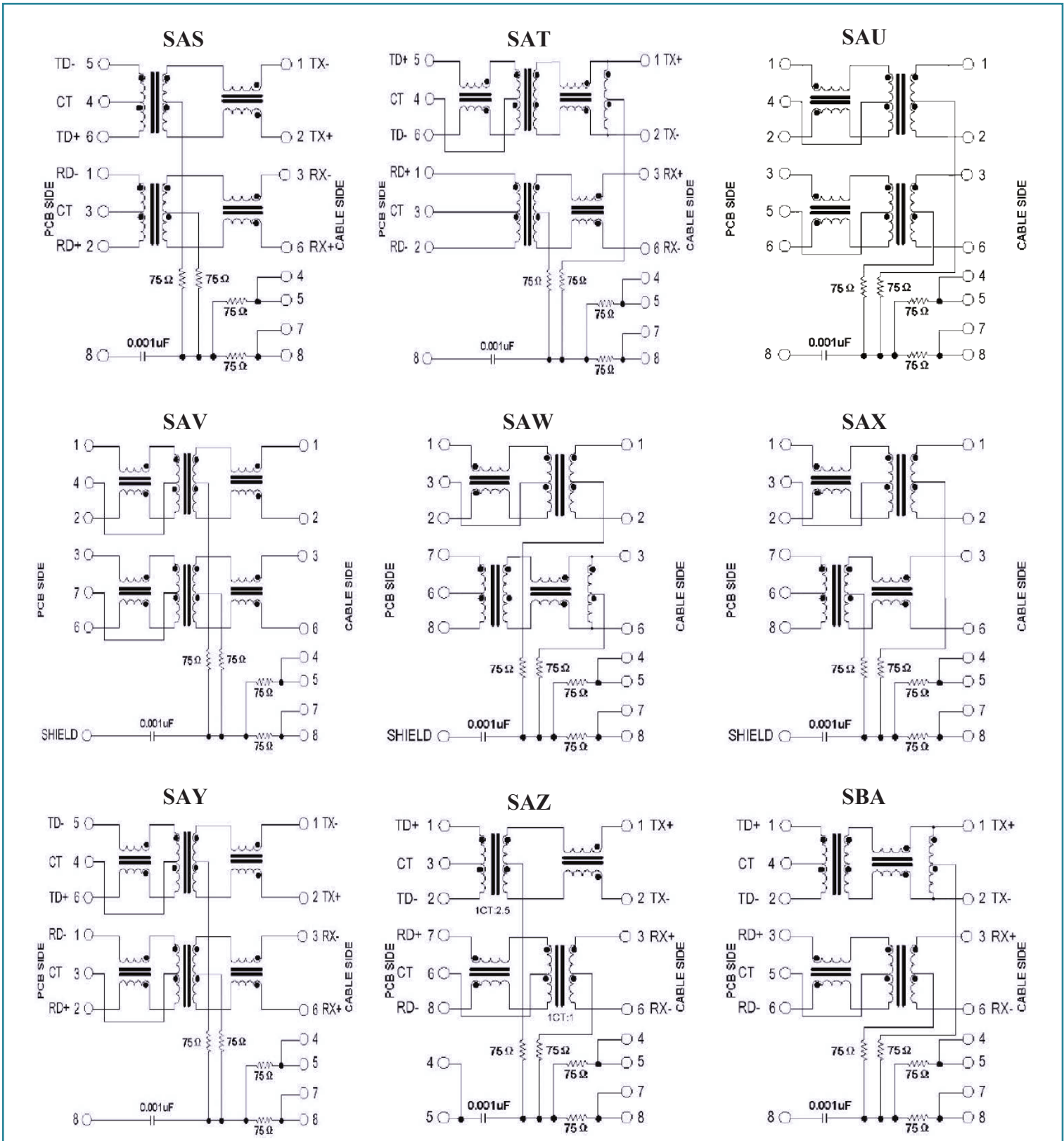
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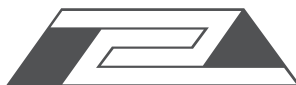
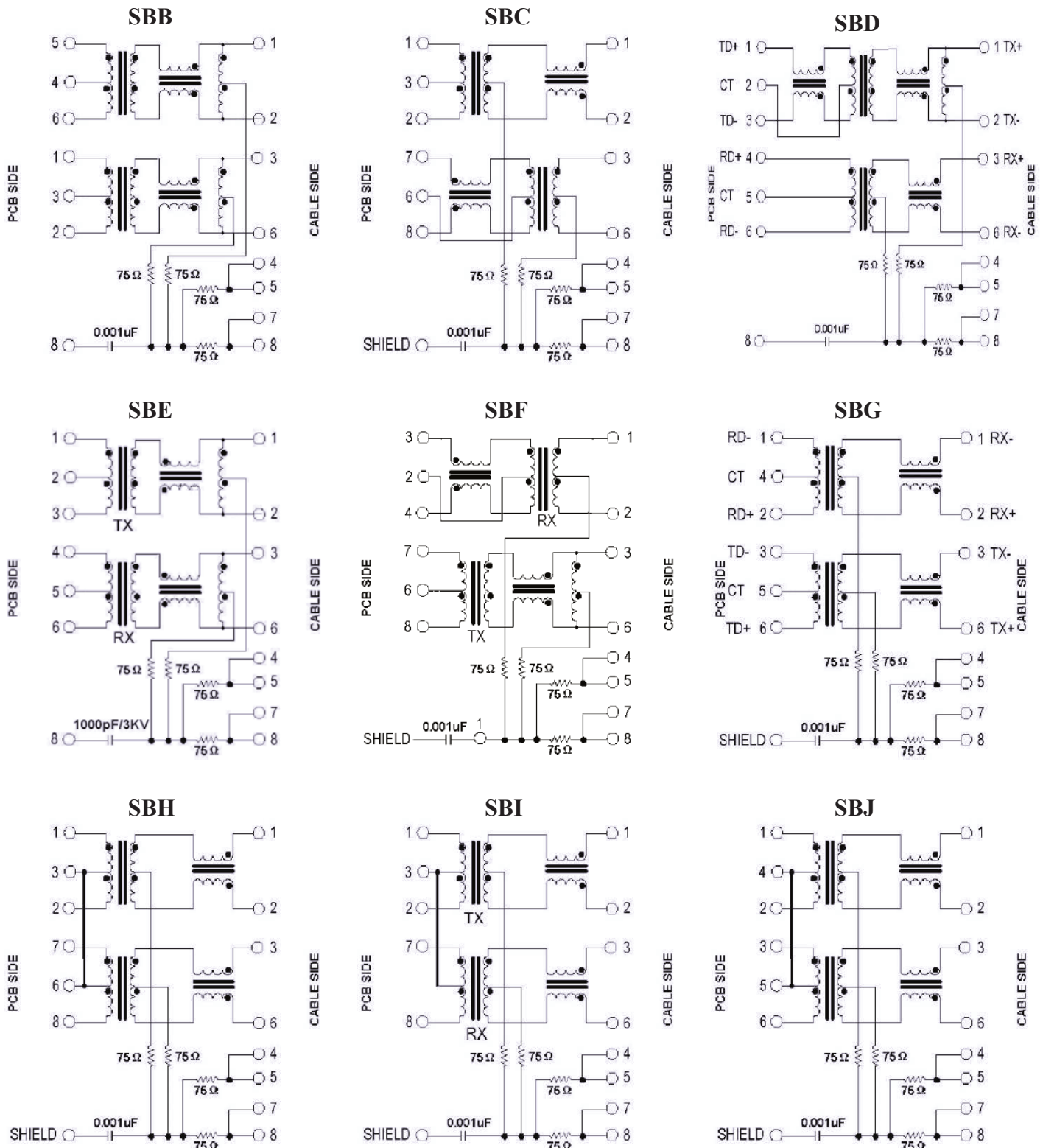
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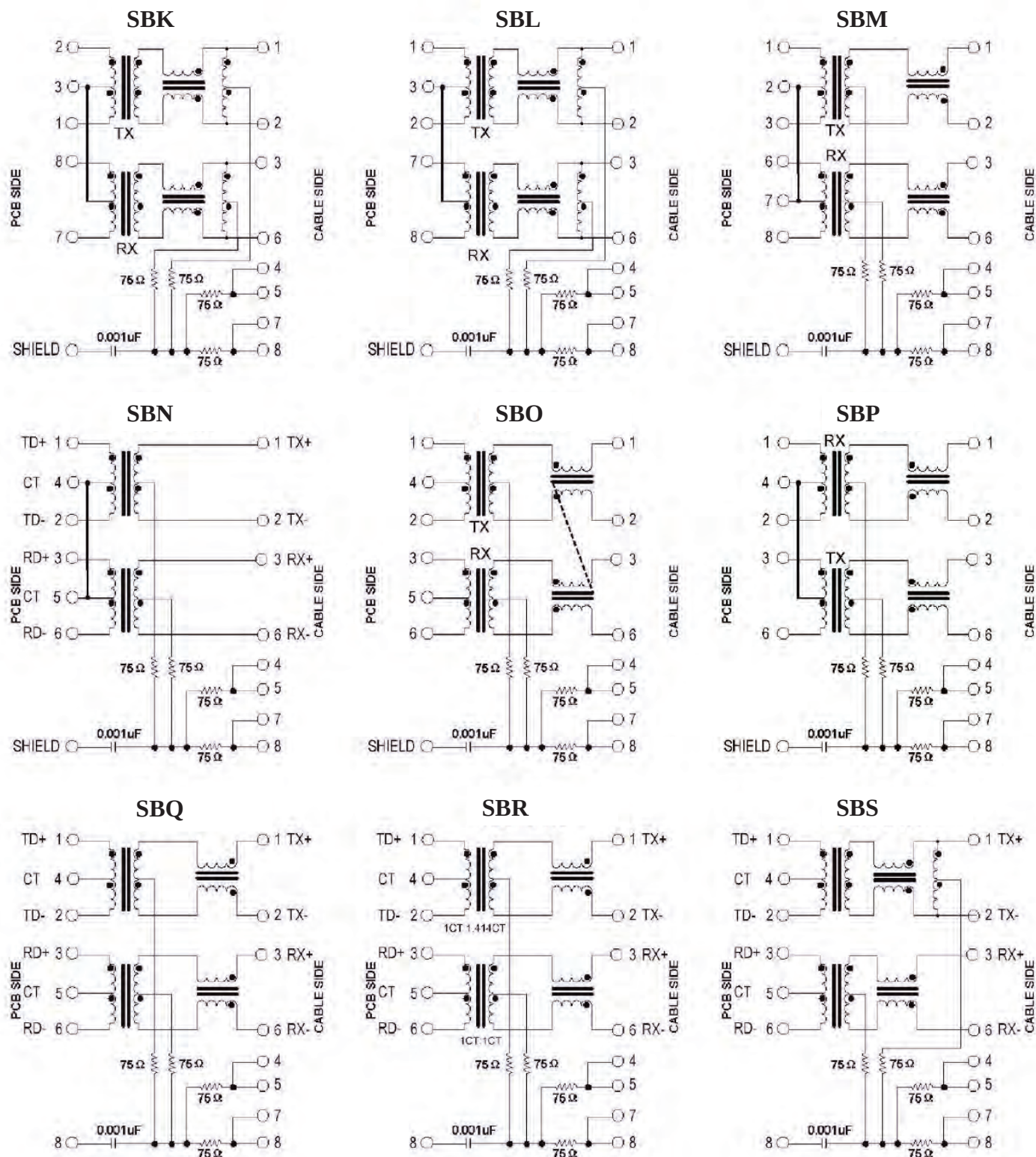
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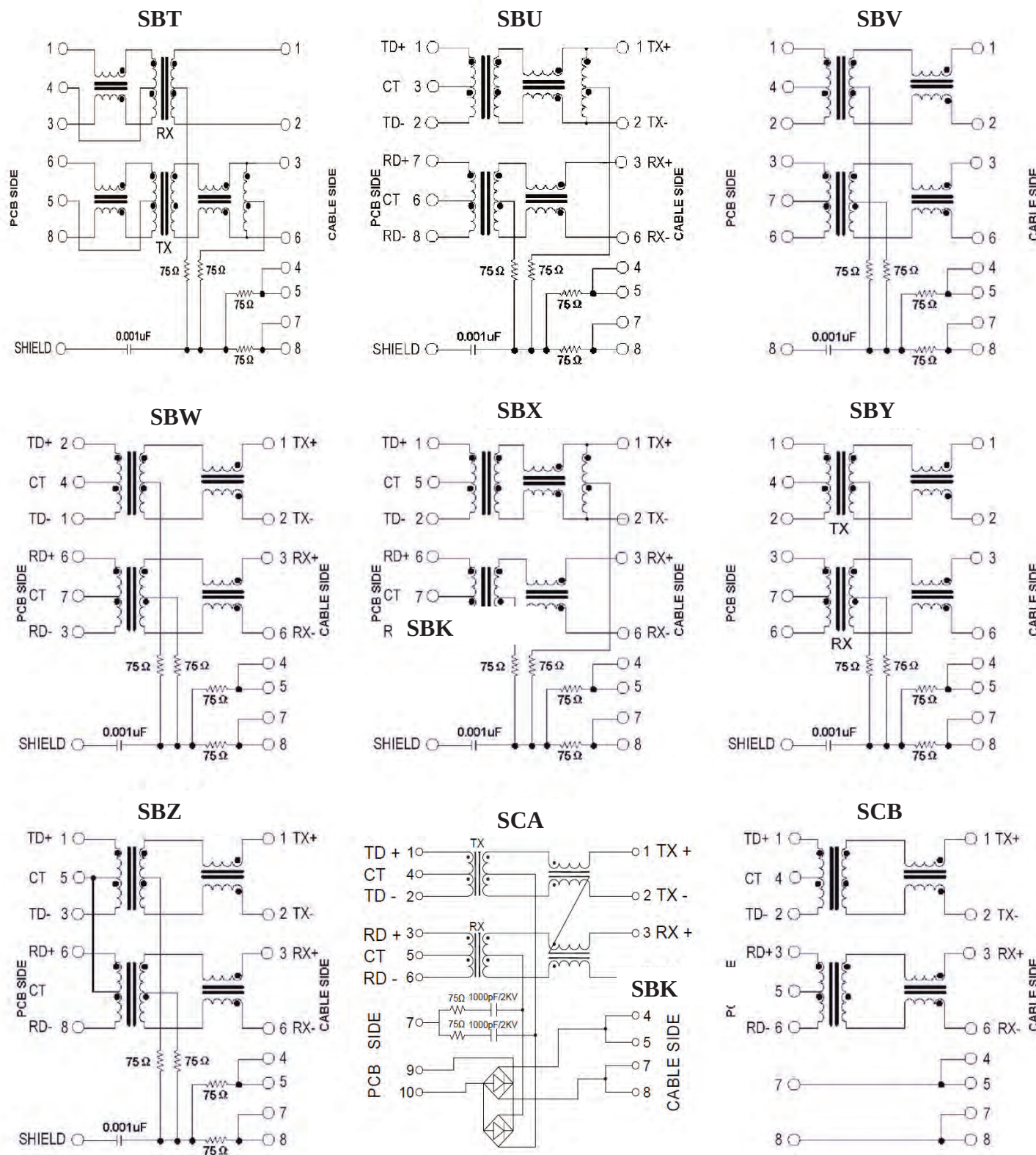
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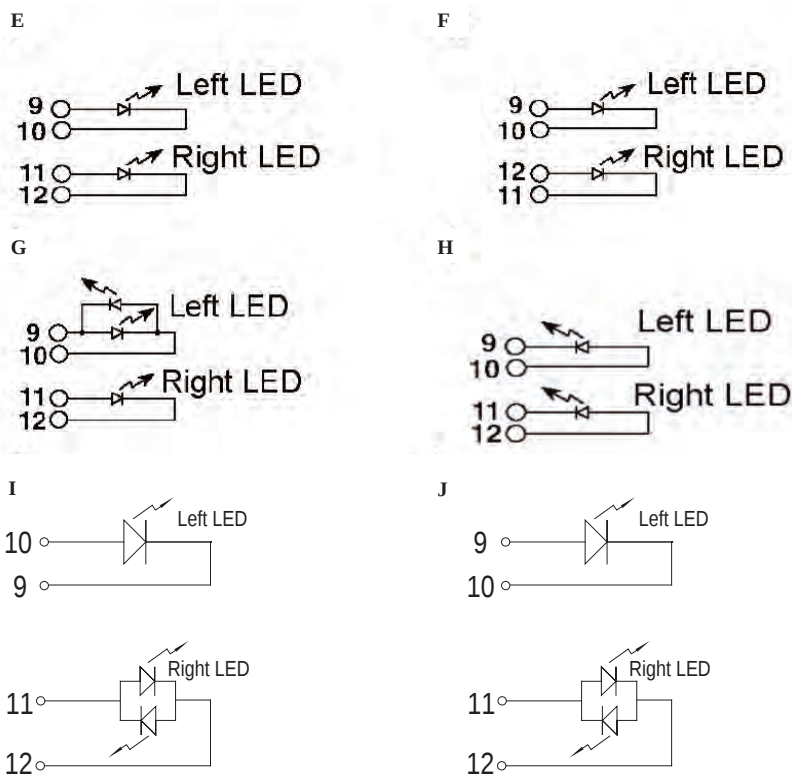


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LED POLARITY



Vin=2.1Vdc TYP. 2.5Vdc MAX.

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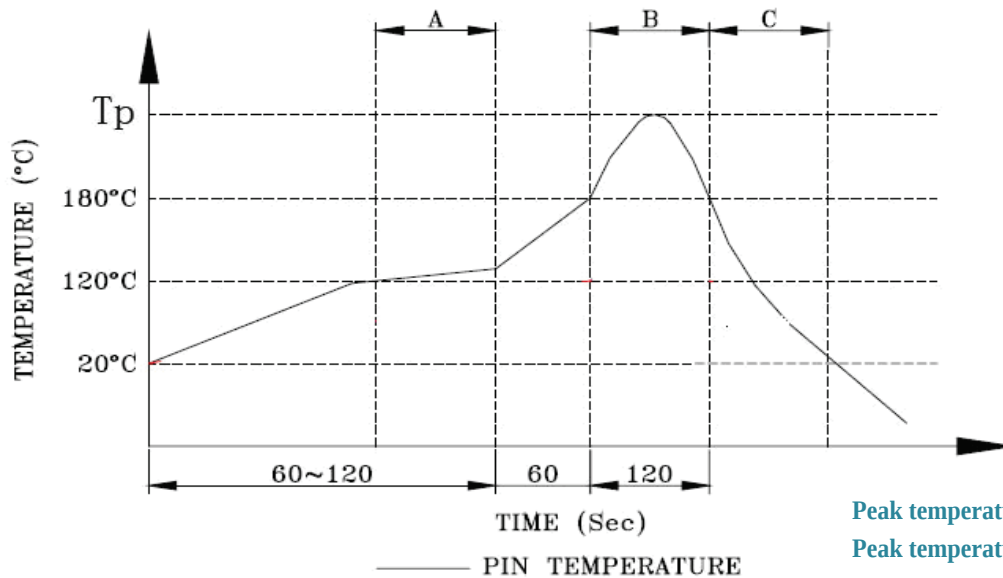
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REFLOW PROFILE

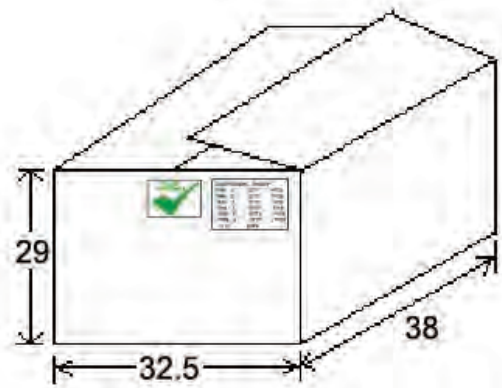
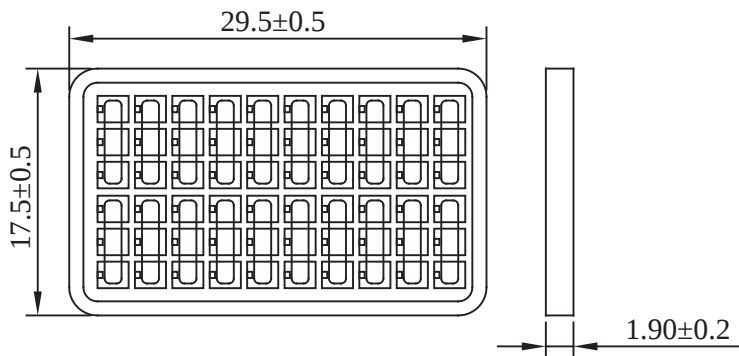


A. Preheating B. Soldering C. Gradual Cooling

TAPE & REEL:

Packing 60pcs/tray
Packaging material: PET

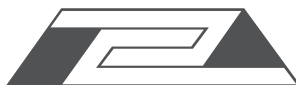
Outer carton unit 1320 pcs/ 22 Trays/box



Dimensions: cm

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