



# LINEAR CARD EDGE WITH SPRING CONTACT 9159-7X0 SERIES



[Click Here to View the 9159-7X0 Series Datasheet](#)

## BASIC OVERVIEW

KYOCERA AVX Interconnect continues to develop unique connectors to fill the gap in the market. The newest addition to KYOCERA AVX's broadening line of one piece card edge connectors is the 2p-12p linear card edge version with spring contact 9159-700/760, which is extension of popular linear card edge versions 9159-000 and 9159-060.

This new connector is with spring gold (or tin) plated BeCu contacts and provide high electrical and mechanical performance suitable for harsh environment like automotive. There are available two versions – closed side 9159-700 and open side 9159-760. Optionally is available plating option Sn.

The proven contact system has easy installation without soldering, enhanced reliability, signal integrity and up to 2A/contact current rating. The connector is designed for mating PCB board with 1.5mm (+/- 0.15mm) thickness and gold (or tin) plated pads.

## APPLICATIONS

Provides a one-piece connector solution for linear PCB mating:

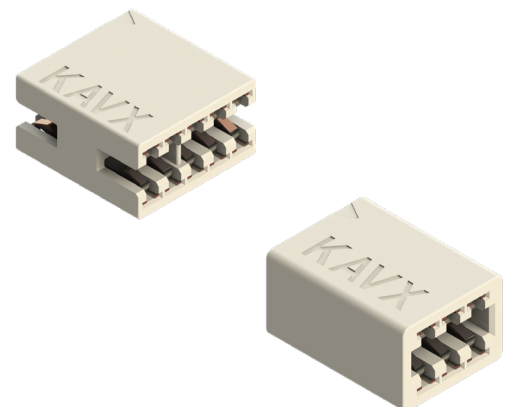
- Automotive Lighting
- Transportation Lighting
- LED Lighting
- Industrial

## KEY SPECIFICATIONS

- Voltage Rating: 150 VAC (RMS) or DC Equivalent
- Current Rating: Up to 2 Amps/Contact
- Operating Temperature: -40 °C to +130 °C
- Durability: Tin= 20 Cycles, Gold= 1,000 Cycles

## TOP SELLING POINTS / CHARACTERISTICS

- Ruggedized linear card edge
- Up to 2 Amps per contact current rating meets robust application requirements
- Gold (or tin) plated (nickel underplate) BeCu contact system for high reliability in harsh environments
- High electrical and mechanical performance
- Easy Installation





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## IMMEDIATELY AVAILABLE PART NUMBERS:

### HOW TO ORDER - CARD EDGE CONNECTOR DOUBLE ENDED-CLOSED SIDES

|           |             |                                       |  |  |   |  |
|-----------|-------------|---------------------------------------|--|--|---|--|
| <b>00</b> | <b>9159</b> | <b>0XX</b>                            | <b>701</b>   | <b>X</b>   | <b>1</b>                                    | <b>X</b>                                       |
| Prefix    | Series      | Number of Positions<br>(See Page 151) | Model<br>701 = Closed sides &<br>1.50 Thick P.C.B. | Housing Color<br>9 = White (Standard)<br>8 = Black (Special Order) | Packaging<br>1 = Bulk (1,000 Parts Per Bag) | Plating<br>1 = Gold Flash<br>6 = Lead-Free Tin |

### HOW TO ORDER - CARD EDGE CONNECTOR DOUBLE ENDED-OPEN SIDES

|           |             |                                       |  |  |   |  |
|-----------|-------------|---------------------------------------|--|--|---|--|
| <b>00</b> | <b>9159</b> | <b>0XX</b>                            | <b>761</b>                                       | <b>X</b>   | <b>1</b>                                    | <b>X</b>                                       |
| Prefix    | Series      | Number of Positions<br>(See Page 152) | Model<br>761 = Open sides &<br>1.50 Thick P.C.B. | Housing Color<br>9 = White (Standard)<br>8 = Black (Special Order) | Packaging<br>1 = Bulk (1,000 Parts Per Bag) | Plating<br>1 = Gold Flash<br>6 = Lead-Free Tin |

Safety Standards: UL 1977-File #E90723



## FAQ'S

### Q: What is special about the 9159-7X0's contacts?

A: They are gold-plated (or tin) BeCU spring contacts for use in vibration applications vs. the 9159-0X0's solid contact system.

### Q: How many cycles are these connectors rated for?

A: The Tin-plated versions is rated up to 20 cycles and the Gold-plated version is rated up to 1,000 cycles.

### Q: Are these UL rated?

A: Yes, they are rated to UL 1977.



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