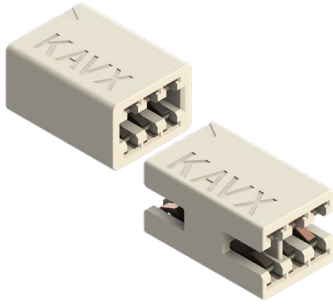


# LINEAR CARD EDGE WITH SPRING CONTACT: 9159-7X0



## General Information



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 in applications:

- Automotive Lighting
- Transportation Lighting
- LED Lighting
- Industrial
- Product Specification: Refer to 201-01-239
- Application Notes: Refer to 201-01-240

### FEATURES AND BENEFITS

- Rugged 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

### ELECTRICAL

- Current Rating: See Table Below
- Voltage Rating: 150VAC (RMS) or DC equivalent, 300VAC (RMS) or DC equivalent for non-UL applications.

Series	Positions	Current (Amps)	
		UL	cUL
9159-760	4-8	2	2
9159-760	10-12	1.5	1.5
9159-700	4-8	2	1.7
9159-700	10-12	1.5	1.5

### ENVIRONMENTAL

- Operating Temperature: -40°C to +130°C
- Storage Temperature: -40°C to +80°C

### MECHANICAL

- Insulator Material : High temperature thermoplastic UL94 V-0 rated
- Contact Material : Beryllium Copper Alloy
- Plating: Gold / Tin over Nickel
- Durability: Tin= 20 Cycles, Gold= 500 Cycles

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

00

9159

0XX

701

X

1

X

Prefix

Series

Number of Positions

Model

Housing Color

Packaging

Plating

701 = Closed sides & 1.50 Thick PCB.

9 = White (Standard)  
8 = Black (Special Order)

1 = Bulk (1,000 Parts Per Bag)

1 = Gold Flash  
6 = Lead-Free Tin

Code	Size	Contacts
004	2x2	4
006	2x3	6
008	2x4	8
010	2x5	10



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

00

9159

0XX

761

X

1

X

Prefix

Series

Number of Positions

Model

Housing Color

Packaging

Plating

761 = Open sides & 1.50 Thick PCB.

9 = White (Standard)  
8 = Black (Special Order)

1 = Bulk (1,000 Parts Per Bag)

1 = Gold Flash  
6 = Lead-Free Tin

Code	Size	Contacts
004	2x2	4
006	2x3	6
008	2x4	8
010	2x5	10
012	2x6	12

Safety Standards: UL 1977-File #E90723, CSA C22.2 NO. 182.3