

# Dual Row Inverted Thru Board Card Edge

9159-600



## GENERAL DESCRIPTION

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 4p-12p Dual Row Inverted version 9159-600, which is extension of popular single row version 9159-500. This new configuration with staggered dual row contacts will allow doubled number of positions in similar size of the connector.

This small connector is packed with several key features that provide significant functionality in a broad range of applications. The proven contact system is gold plated for enhanced reliability, signal integrity and up to 2A/contact current rating. The connector is designed for mating PCB board with 1.6mm thickness and gold plated pads.

## APPLICATIONS

Provides a one piece connector solution for perpendicular PCB mating in applications:

- Automotive
- Industrial
- Lighting

Product Specification: refer to 201-01-226

Application Notes: refer to 201-01-227.

## FEATURES AND BENEFITS

- Up to 2 Amps per contact current rating meets robust application requirements
- Doubled number of positions with dual row solution
- Gold plated BeCu contact system for high reliability in harsh environments
- Low profile thru board design does not interfere with LEDs.
- Halogen-Free

## ELECTRICAL

- Current Rating: See Table Below
- Voltage Rating: 300 VAC (RMS) or DC Equivalent

## ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +60°C

## MECHANICAL

- Insulator Material: High temperature Nylon UL94V-0 rated
- Contact Material: Beryllium Copper
- Durability: 10 Cycles
- Plating: Gold / Tin over Nickel

## HOW TO ORDER

00	9159	0XX	60X	9	0	6
Prefix	Series	No. of Ways			Keying	Plating Options
			Dual Row Inverted Thru Board Card Edge	Insulator Color	0 = Without keying	6 = Gold plating on nose with Tin on Tails
			601 = with Kapton Tape 603 = without Kapton Tape	Code	Color	Application
				9	White	UL Approved Standard

Safety Standards: UL 1977-File #E90723

### Current Rating

No. of Positions	Current
4 pos	2A
6 pos	1.75A
8 pos	1.75A
10 pos	1.5A
12 pos	1.25A



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