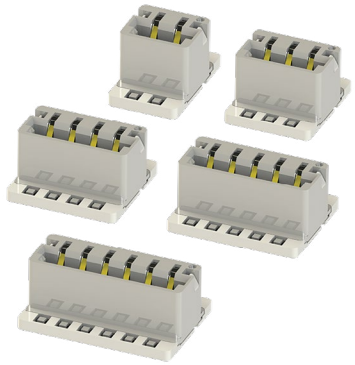
INVERTED THRU BOARD CARD EDGE: 9159-500

General Information



KYOCERA AVX has developed the 1-piece Bottom Entry Card Edge Connector to allow a vertical PCB to be mated to a top mounted FR4 or metal core main PCB from the bottom side. The most popular application in the market is in the LED bulb market where the FR4 driver card needs to be mated to the top pads of a metal core LED board. A unique design feature of the KYOCERA AVX connector is that it allows both 1.6mm and 0.8mm mating PCB thickness, giving designers flexibility in PCB layout and selection. The optional "anti-touch" cap can be ordered pre-assembled on the connector or separately. This component protects a person from electrical contact if the lens is removed or the bulb is broken. This is a UL-mandated safety requirement.

The 9159-500 series offers a range of 2 to 6 positions to add additional functionality to the application design, such as color control or specific control lines. The connector is UL listed with halogen-free material and is capable of operating temperatures up to 120°C.

APPLICATIONS

- Provides perpendicular, bottom entry PCB mating to a top mounted card edge contact based connector
- Application notes: Refer to 201-01-137
- Product Specification: Refer to 201-01-136

FEATURES AND BENEFITS

- Available 2p-6p for added design functionality and color control in bulb applications
- Low profile top mounted design does not interfere with LED's
- Gold plated BeCu contact system for high reliability in harsh environments
- Accepts both 0.8mm and 1.6mm PCB's for added design options

ELECTRICAL

- Current Rating: 2 Amps / Contact
- Voltage Rating: 300 VAC (RMS) or DC equivalent

ENVIRONMENTAL

- Operating Temperature: -40°C to +120°C
- Storage Temperature: -40°C to +70°C

MECHANICAL

- Insulator Material: Halogen Free Nylon UL94VO
- Contact Material: Beryllium Copper
- Plating: Gold / Tin over Nickel
- Durability 10 Cycles

HOW TO ORDER

00 — **Prefix**

9159 — **Series**

00X — **Number of Ways**
002 = 2
003 = 3
004 = 4
005 = 5
006 = 6

50X — **Single Part PCB Strip Connector**
501 = Through The Board, Edge Card, No Cap
502 = Through The Board, Edge Card, Cap Fitted

9 — **Insulator Color**
8 = Black (Special)
9 = White (Standard)

06 — **Packaging Options**
06 = Gold Plating on Nose with Tin on Tails

SALES DRAWINGS
CLICK TO DOWNLOAD

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

RoHS compliant

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

Downloaded from Arrow.com.