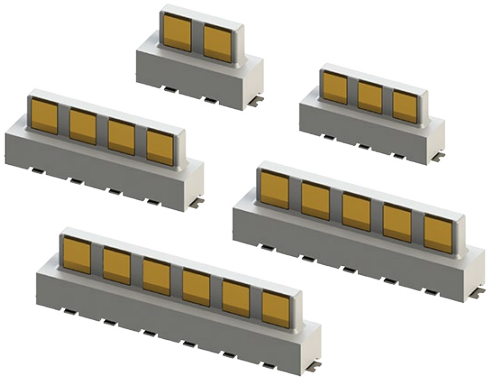
VERTICAL PLUG: 13-9159-100

General Information



KYOCERA AVX developed the 9159 series of SMT connectors for co-planar PCB mating for the demanding Solid State Lighting (SSL) market. These connectors had to be small, low profile, capable of carrying up to 5 amps/contact and then operate at 125C for extended periods of time. This application was very unique to the SSL market where PCBs are stacked end-to-end to create linear lighting strips in everything from office to transportation applications where products are exposed to harsh mechanical and environmental environments.

This vertical connector opens up the spectrum to include all commercial, industrial and transportation applications that require perpendicular PCB mating and latching wire-to-board receptacles with an already proven connector system. With sizes from 2p-6p, these gold plated contacts mate with high spring force beryllium copper receptacles.

APPLICATIONS

- Allows assembly of PCB's at right angles
- Accepts 24-9159 IDC wired/cabled socket
- Application Notes: Refer to 201-01-123
- Product Specification: Refer to 201-01-119

FEATURES AND BENEFITS

- Single sided SMT RoHS solder attachment
- Centrally located pick & place cap for easy placement
- Gold plated BeCu contact system for high reliability in harsh environments
- Available in white: supports SSL market preferences
- UL Approved

ELECTRICAL

- Current Rating: 5 Amps / Contact
- Voltage Rating: 125 VAC (RMS) or DC equivalent

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +70°C

MECHANICAL

- Insulator Material: Nylon: UL94VO
- Contact Material: BeCu / Phos Bronze
- Plating: Gold / Tin over Nickel
- Durability: 10 Cycles

HOW TO ORDER

13	9159	00X	1	01	9	16
Prefix Plug - Vertical Mount	**Series**	**Number of Ways** 002 = 2 003 = 3 004 = 4 005 = 5 006 = 6	**2 Part PCB Strip Connector**	**Connector Pitch** 01 = 3mm	**Color** 9 = White	**Plating Option**

Plating Option

Code	Contact	Bracket
16	Gold in Contact Area Tin on Solder Tail	Tin all over

SALES DRAWINGS
CLICK TO DOWNLOAD

Safety Standards: UL 1977-File #E90723

RoHS compliant