Vertical SMT Plug

Series 9159





AVX developed the 9159 Series of SMT connectors for co-planar PCB mating for the challenging Solid State Lighting (SSL) market. These connectors needed to be small, low in height, carry up to 3 Amps/contact and then function up to 125C for extended periods. This application has been very unique to the SSL market where PCB's are stacked end-to-end to create linear strip lighting in everything from office to transportation applications where products are exposed to harsh mechanical and environmental environments.

This vertical plug connector opens up the spectrum to include all commercial, industrial and transportation applications requiring perpendicular PCB mating and latching Wire-to-Board cabled sockets with an already proven connector system. With sizes from 2p-6p, these gold plated contacts mate with high spring force beryllium copper receptacle

APPLICATIONS

- · Allows assembly of PCB's at right angles
- · Accepts 24-9159 IDC wired/cabled socket
- Reference application notes 201-01-123
- Reference Product Specification 201-01-119

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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
- · Standard color is white with optional black for specific applications

ELECTRICAL

Current Rating: 3 Amps / Contact

Voltage Rating: 125 VAC

ENVIRONMENTAL

• Operating Temperature: -40°C to +125°C

MECHANICAL

• Insulator Material: Nylon: UL94VO

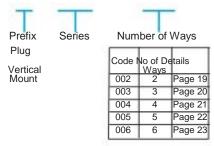
· Contact Material: BeCu / Phos Bronze

· Plating: Gold / Tin over Nickel

• Durability: 10 Cycles

HOW TO ORDER 9159

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	Plating Option	
7	Code	Contact
]		Gold in Contact Area
	16	Tin on Solder Tail
		Bracket
		Tin All Over

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Welcome to visit www.ameya360.com

Contact Us:

Address:

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

> Sales:

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

Customer Service :

Email service@ameya360.com

Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com