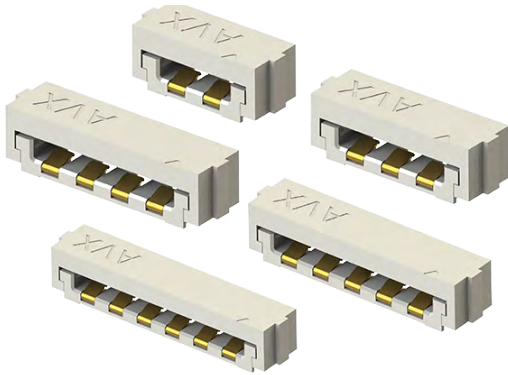


TOP LOAD SOCKET: 22-9159-100



General Information



The 9159 Series board-to-board interconnect system allows two PCBs to be mated end-to-end to create LED lighting strips. Designed specifically for the unique Solid State Lighting (SSL) market that requires coplanar (horizontal-to-horizontal) PCB mating with a 5 amp current rating in the smallest package available. The top-loading receptacle allows complete PCBs to be replaced in the field without the need to disassemble the entire strip. The receptacle has a two-piece insulator that allows the top of the receptacle to slide open, allowing the receptacle to be pulled out either vertically or at a slight angle. Once the PCB is replaced, the cover slides back into the closed position like a Zero Insertion Force (ZIF) connector. The PCB layout is identical to the standard horizontal receptacle to maintain family commonality at the PCB level.

APPLICATIONS

- Coplanar PCB mating in SSL products
- LED linear lighting strips
- Application Notes: Refer to 201-01-123
- Product Specification: Refer to 201-01-119

FEATURES AND BENEFITS

- Slide open top: allows field reparability at the light fixture level
- Mates with standard horizontal or cabled plug: no need to change any connectors
- 5 Amp current rating: exceeds general market needs
- Gold plated BeCu spring contacts: reliability for 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: VL94V0
- Contact Material: BeCu / Phos Bronze
- Plating: Gold / Tin over Nickel
- Durability: 10 Cycles

HOW TO ORDER

22	9159	00X
Prefix Socket Top Loading	Series	Number of Ways 002 = 2 003 = 3 004 = 4 005 = 5 006 = 6

1
2 Part PCB Strip Connector

01
Connector Pitch 01 = 3mm

X
Color 8 = UL Black 9 = UL White

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



SALES DRAWINGS
CLICK TO DOWNLOAD

Safety Standards: UL 1977-File #E90723

