Vertical Top Entry Poke-Home 18-26 AWG 9296-550

General Information





KYOCERA AVX continues to develop innovative connectors for the industrial electronics market that provide significant benefits over existing, outdated connector solutions. Listening to the design engineering community, there are ongoing applications where they cannot find an off-theshelf solution that will satisfy a high percentage of the projects configuration, performance and cost goals.

KYOCERA AVX's broadening line of Wire-to-Board (WTB) connectors offers a cost effective, Poke-Home connector solution that will meet the cost and performance targets in demanding, yet user friendly applications. At the heart of the connector is the industry proven dual tine, 3mm high spring force box contact that has been on the market as a standalone horizontal contact only solution.

The 9296-550 SMT vertical top entry connector allows for 18AWG to 26AWG wires to be simply stripped and inserted into the connector body at 180 degree orientation to the top side of the PCB. This single connector will replace existing 2-Piece WTB solutions where a header is soldered onto the PCB and a secondary crimp-to-wire receptacle assembly is plugged in. Available in 1-6 positions, each connector will accept the entire wire gauge range for either solid or stranded wires at varying current ratings supported by each wire size. Once inserted, wires can easily be removed or replaced by twisting/unscrewing or by using a small blade extraction tool.

APPLICATIONS

- · Industrial Wire-to-Board applications
- Replace hard soldering of wire to a PCB
- Replace costly 2-Piece header and receptacle products
- Product Specification: Refer to 201-01-151
- Application Notes: Refer to 201-01-152

FEATURES AND BENEFITS

- Dual Beam box contact provides maximum mechanical stability and wire retention
- Tape and reel packaged for automated SMT placement
- Will accept either solid or stranded wire, 18-26AWG, plated or un-plated
- Simple strip and insert for wire loading, with easy twist and pull for wire removal

ELECTRICAL

Voltage Rating: 600 VAC (RMS) or DC Equivalent 1 way; 300 VAC (RMS) or DC Equivalent 2 - 6 way

Current Rating: See matrix below

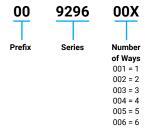
ENVIRONMENTAL

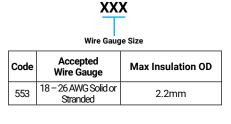
- Operating Temperature: -40°C to +130°C
- Storage Temperature: -40°C to +60°C

MECHANICAL

- · Housing Material: Glass Filled Nylon46 UL94 V-0
- Contact Material: Copper Alloy
- Contact Plating: Tin over Nickel
- **Durability: 5 Cycles**

HOW TO ORDER







One Way Only (Special Order) 2 = UL Brown 3 = UL Blue 4 = UL Yellow 5 = UL Red 6 = UL Green 7 = UL Orange





CURRENT RATING

4041110	0041110	0041110	044140	06 41110
18AWG	20AWG	22AWG	24AWG	26AWG
7A	6A	5A	4A	3A

Safety Standards: UL 1977-File #E90723