

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to develop innovative connectors for the industrial electronics market that provide significant benefits over existing, outdated connector solutions.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-the-shelf 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 wires
- 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

00	9296	00X
Prefix	Series	Number of Ways
		001 = 1
		002 = 2
		003 = 3
		004 = 4
		005 = 5
		006 = 6

XXX
Wire Gauge Size

Code	Accepted Wire Gauge	Max Insulation OD
553	18 - 26 AWG Solid or Stranded	2.2mm

X
Insulator Color
All Sizes
9 = UL White (Standard)
8 = UL Black (Special Order)

One Way Only (Special Order)

- 2 = UL Brown
- 3 = UL Blue
- 4 = UL Yellow
- 5 = UL Red
- 6 = UL Green
- 7 = UL Orange

06
Plating Options
06 = Tin Plated



CURRENT RATING

18AWG	20AWG	22AWG	24AWG	26AWG
7A	6A	5A	4A	3A

Safety Standards: UL 1977-File #E90723



SALES DRAWINGS
CLICK TO VIEW



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.

TDS-WTB-0015 | Rev 1

— WIRE-TO-BOARD CONNECTORS —