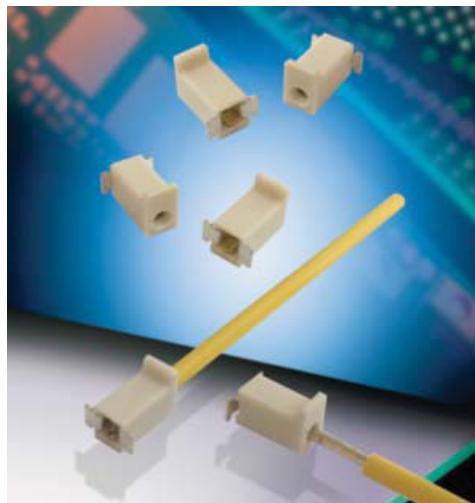


SINGLE VERTICAL TOP ENTRY 18 AWG: 58-9296

General Information



Vertical poke-home connectors were introduced into the market a few years ago to provide a reliable, yet cost effective discrete wire-to-board termination in perpendicular applications. Designed to bridge the gap between inconsistent hand soldering of wires and costly 2-piece connector systems, these connectors are available in a range of positions and configurations while accepting 18 to 26AWG solid or stranded wires.

This latest connector was developed specifically to support the high volume 18AWG wire applications used in power supply, LED driver and industrial control products where PCB space is limited. This new 9296 connector offers a robust single beam contact which securely captures and retains the wire in a 23% smaller package size.

APPLICATIONS

- Replace inconsistent hand soldered perpendicular wire terminations onto PCB's in:
 - Power Supplies
 - LED Drivers
 - Industrial/Motor Controls
- Offer a simple and cost reduced solution to existing 2-Piece connector systems

FEATURES AND BENEFITS

- Pre-Plated phosphor bronze contact material provides excellent spring performance with high fatigue and corrosion resistance
- The single stamped and formed box contact maximizes board attachment and wire capture strength
- Tight tolerance and wire insulation stop helps to prevent potting from flowing into the connector during encapsulation processes
- Integral molded in flange provides a generous vacuum pick-up point for automated SMT placement

ELECTRICAL

- Current Rating: 8 Amps
- Voltage Rating: 600 VAC

ENVIRONMENTAL

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

MECHANICAL

- Insulator Material: Glass-Filled Nylon 46, UL94V0
- Contact Material: Phosphor Bronze
- Plating: Pure Tin
- Durability: 3 Cycles

HOW TO ORDER

589296001000014

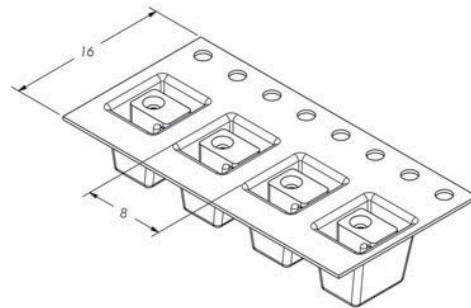
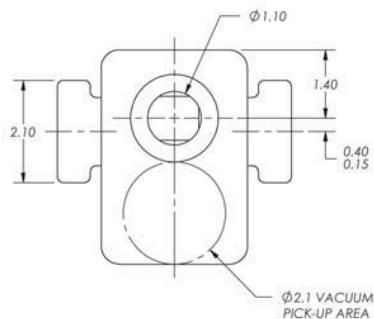
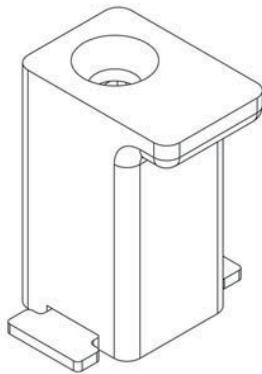


SINGLE VERTICAL TOP ENTRY

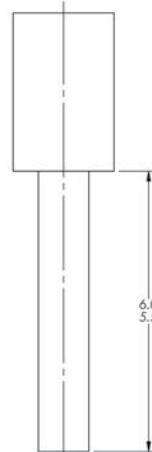
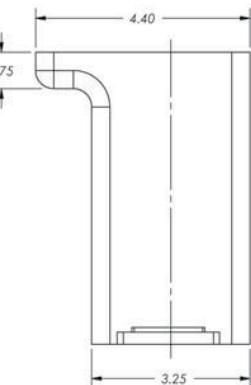
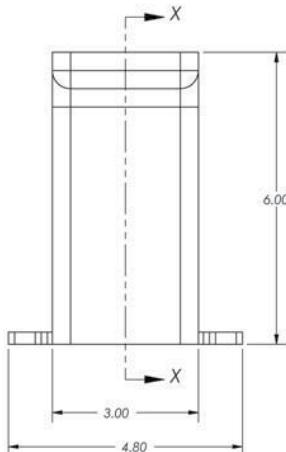
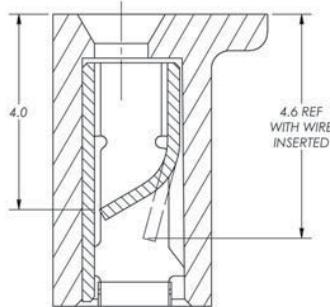
18 AWG: 58-9296

Single Vertical Top Entry

KYOCERA
AVX

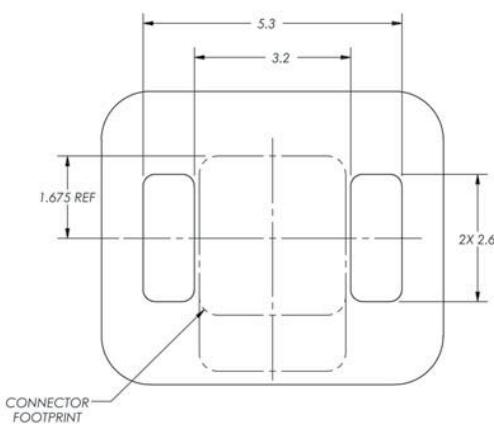


**PARTS IN POCKET TAPE
SCALE 2.5:1**



SECTION X-X

**RECOMMENDED
WIRE STRIP DETAIL**



NOTES:

1. HOUSING MATERIAL: GLASS-FILLED, HIGH TEMP. THERMOPLASTIC; UL94V-0; COLOR: NATURAL.
2. CONTACT MATERIAL: HIGH STRENGTH PHOSPHORB BRONZE ALLOY; PRE-PLATED LEAD-FREE TIN OVER NICKEL PLATING.
3. PACKAGING: POCKET TAPE ON REELS; 1,250 PARTS PER REEL.

RECOMMENDED PCB LAYOUT

KYOCERA
AVX

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.