

# POKE-HOME - HORIZONTAL 18-26 AWG: 9276-000



## General Information



The 9276-000 Series connector provides fast and reliable wire-to-board termination in a slim 2.5mm pitch SMT package for a wide range of industrial and commercial markets. With almost every product on the market today having to deal with a small number of discrete wires to connect components to a board, the 9276 Series connector meets this challenge by simply stripping the wire and inserting it into the connector. This makes the connector very easy to terminate both in the factory and in the field by electrical installers. Designed for harsh industrial and solid-state lighting (SSL) applications, the connector was engineered with a high spring force beryllium copper top spring contact to accept a wide range of wire (18-26 AWG solid or stranded) to serve multiple applications with a single connector. By incorporating a dual contact design, we were able to maximize current rating (6 amps) and minimize PCB space. For example, the 4p connector has a footprint of 90 square mm, while competing products are 160 square mm. The dual contact design also provides two solder points for each wire, eliminating the need for external anchor tabs. KYOCERA AVX provides a small insertion/extraction tool that allows the wires to be easily replaced up to 5 times.

### APPLICATIONS

- Connecting discrete wire components directly to the PCB
- Bringing power and signals onto a PCB
- Daisy chaining PCB's together to create a continuous string of boards
- Application notes: Refer to 201-01-127
- Product Specification: Refer to 201-01-125

### FEATURES AND BENEFITS

- Simple strip, insert and removal design
- SMT RoHS termination to the PCB with minimal footprint
- Accepts 18-26 AWG Solid and Stranded wires
- Expanded size offering to maximize application potential; 1, 2, 3, 4, 6 & 8 positions
- High spring force top contact provides a lance type retention to capture and retain the wire
- Available in standard white and optional black color

### ELECTRICAL

- Current Rating: 6 Amps / Contact
- Voltage Rating: 300 VAC (RMS) or DC Equivalent

### ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +70°C

### MECHANICAL

- Insulator Material: Glass-Filled Nylon 46; UL94V0
- Contact Material: Beryllium Copper / Phosphor Bronze
- Plating: Tin over Nickel
- Durability: 5 Cycles

### HOW TO ORDER

<b>00</b>	<b>9276</b>	<b>00X</b>	<b>0</b>
Wire to Board Connector	Series	Number of Ways	Horizontal Mounting
		001 = 1	
		002 = 2	
		003 = 3	
		004 = 4	
		005 = 5	
		006 = 6	
		008 = 8	

**21**  
Wire Gauge Size

Code	Accepted Wire Gauge	Max Conductor	Max Insulation
21	18-26 AWG Solid or Stranded	1.20mm Diameter	2.10mm Diameter

**X**  
Insulator Color  
9 = UL White  
8 = UL Black

**06**  
Plating Option  
06 = Pure Tin all Over



**SALES DRAWINGS**  
CLICK TO DOWNLOAD

Thin Blade Removal Tool  
Part Number 06-9276-7001-01-000

Safety Standards: UL 1977-File #E90723, CSA C22.2 NO. 182.3

