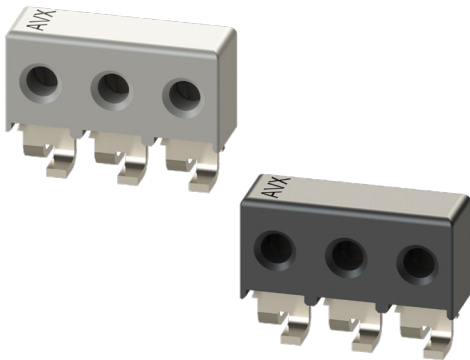


CAPPED IDC 26-28 AWG:
9175-700

General Information



The 917X Series of Surface Mount Insulation Displacement Connectors (IDC) are designed to meet the harsh requirements of automotive and industrial applications. This industry proven series of connectors provides a robust, reliable, and efficient method to connect individual wires ranging from 12 AWG to 30 AWG directly to a PCB. The single-contact design can function as a stand-alone component. It gives our designers access to IDC technology in an easy-to-use form factor, allowing them to bring power and signal to a PCB in a wide range of applications. These connectors have been tested to various levels of shock, vibration and temperature cycling to prove their reliability and ruggedness.

The 9175-700 Series goes beyond the technical and performance attributes of our previous IDC connectors and improves the "ease of use" for terminating 26 to 28 AWG wires. The simplicity of inserting a wire into an SMT contact with the integrated retention/termination cap provides a wire-to-board solution without soldering or special tools. The wire is inserted into the cap (no stripping required) and then pressed down to provide a secure "gas tight" termination.

APPLICATIONS

- Connecting discrete wire components to a PCB
- Bringing power and signals onto a PCB
- Daisy chaining PCB's together to create a continuous string
- Application Notes: Refer to 201-01-140
- Specification Notes: Refer to 201-01-139

FEATURES AND BENEFITS

- IDC contact provides a gas-tight connection to the PCB for long term reliability
- Plastic cap retains the contacts in position prior to automatic placement, then acts as the assembly tool to terminate the wires; no special tooling.
- Tested to various levels of shock, vibration, and temperature cycling for reliability
- Identical contact and footprint pattern to our 9175-000 series for full backward compatibility and functionality
- The IDC contact reduces the total applied cost versus solder or crimp processes
- Connectors are available in two configurations for maximum flexibility; Through Wire and Wire Stop

ELECTRICAL

- Current Rating: 1 Amp / Contact
- Voltage Rating: 150 VAC (RMS) or DC Equivalent

ENVIRONMENTAL

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

MECHANICAL

- Insulator Material: Nylon UL94V-0
- Contact Material: Phosphor Bronze
- Plating: Tin over Nickel

HOW TO ORDER

00 **9175** **00X**
Prefix Series Number of Ways
002 = 2
003 = 3

70X
Wire Gauge Size
Cap Pre-Assembled

Code	Accepted Wire Gauge	Wire Insulation
701	28 Gauge Solid or Stranded	Min Ø 0.70 Max Ø 1.00
702	26 Gauge Solid or Stranded	Min Ø 0.80 Max Ø 1.20

X
Insulator Color
9 = UL White (Standard)
8 = UL Black

X
Cap Options

Code	Cap Option	Description
0	Through Wire	Allows wire to be terminated at any point
9	Wire Stop	Terminates end of wire End Protected by stop face

6
Plating Option
6 = Pure Tin all over


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