

# STANDARD IDC 26-28 AWG 201-01-124

## 1. SPECIFICATION DISTRIBUTION

No restrictions for issue

## 2. SCOPE

This specification contains the application notes for the 9175, 9176, and 9177 IDC connectors.

## 3. RELATED DOCUMENTS

00-9175-00X-00X-X06 - STANDARD IDC CONNECTOR 26-28AWG  
00-9176-00X-0XX-X06 - STANDARD IDC CONNECTOR 18-24AWG  
60/70-9176-001-5XX-XXX - SINGLE CONTACT IDC 18-24AWG  
60/70-9176-001-4XX-XXX - SINGLE CONTACT IDC 22-28AWG  
00-9177-00X-0XX-X06 - STANDARD IDC CONNECTOR 14-20AWG

Note: The connectors in the product series are available in standard black colour (white and other colours are special order). The colours used in this document are for illustration purposes only.

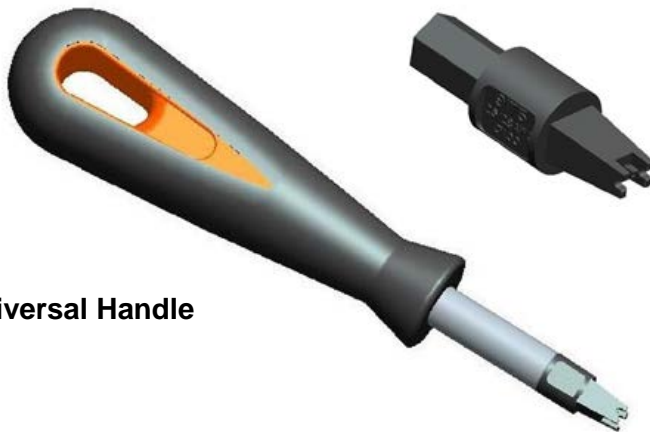
## 4. 9175 CONNECTOR 26-28AWG

### 4.1. 9175 CONNECTOR



Available in 2way and 3way sizes for 26AWG and 28AWG wires.

### 4.2. 9175 STANDARD HAND WIRE INSERTION TOOLING



Plastic termination tool for low-medium volumes (metal versions available for higher volume)  
Maximum insulation diameter 1mm suitable for 26-28AWG wires

Universal Handle

### 4.3. 9175 WIRE INSERTION METHOD – SINGLE WIRE BY HAND

**1.** Cut and position wire over contact slot

**2.** Locate end of tool over wire and align to slot in connector

**3.** Push down on tool until wire is pressed to bottom of slot

**4.** Repeat for all wires as necessary

**5.** Remove tool from connector and wire

Typical insertion force is approximately 70N per wire, this is dependent on the wire gauge, number of conductor strands and insulation material.

**Please note that the PCB should be supported directly under the wire being terminated.**

### 4.4. 9175 MASS TERMINATION INSERTION TOOLING

**Metal Insertion blocks for 2 & 3way connectors  
Maximum insulation diameter 1mm for 26AWG and 28AWG wires**

### 4.5. 9175 WIRE INSERTION METHOD – MASS TERMINATION

**1.** Cut and position wires to all contact slots

**2.** Locate mass termination block over wires and connector

**3.** Push down on termination block using a hand/air press

**4.** Remove block from connector and wires

**Please note that the PCB should be supported directly under the wires being terminated.**

## 4.6. 9175 CAP ASSEMBLY

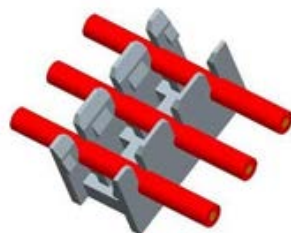


**9175 Cap:** Available in 2way and 3way with through wire and wire stop options.

**Through Wire Version**

**Wire Stop Version**

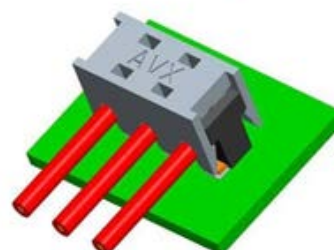
1. Push wires into cap slots (slots grip wires)



2. Offer the pre-assembled wire/cap assembly above the connector



3. Push down on cap until clips latch on the connector



**Please note that the PCB should be supported directly under the wires being terminated.**