

# SINGLE IDC 14-20 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.

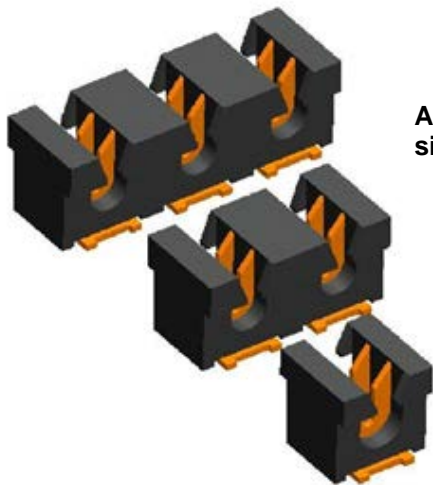
### 3. RELATED DOCUMENTS

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. 9177 CONNECTOR 14-20AWG

#### 4.1. 9177 CONNECTOR



Available in 1way, 2way and 3way sizes for 14AWG to 20AWG wires.

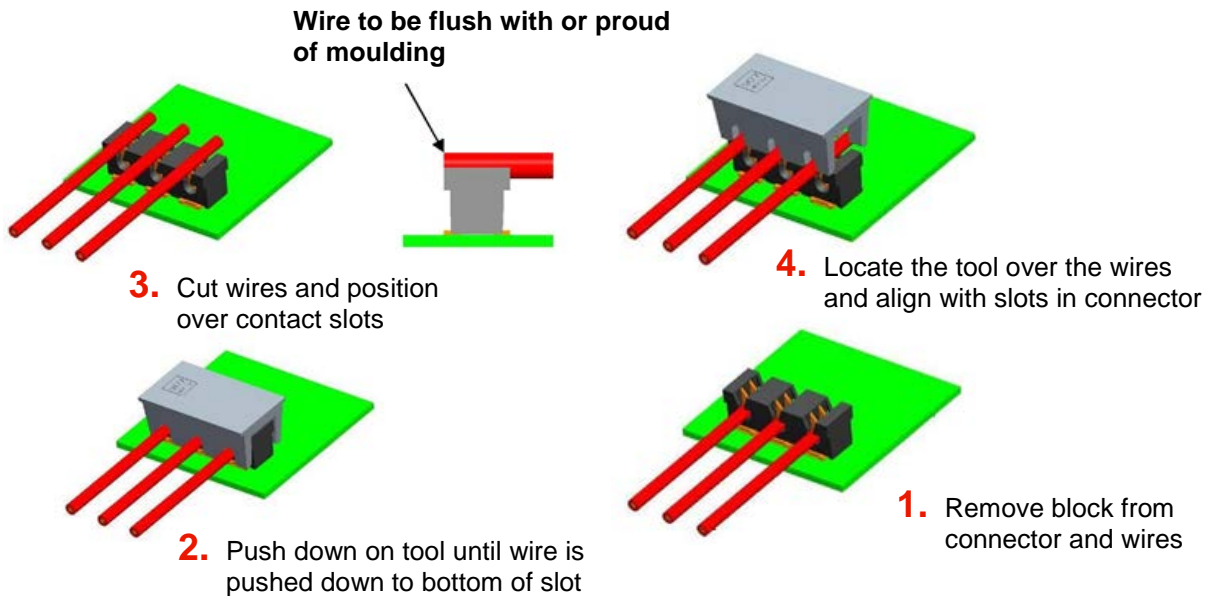
#### 4.2. 9177 MASS TERMINATION TOOLS

Metal insertion blocks for 1, 2 & 3way connectors

To suit insulation diameters up to 2.75mm diameter, 3.50mm diameter and 4.25mm diameter. In order to achieve the correct insertion depth it is important to match the insulator diameter and tool size as close as possible.



### 4.3. 9177 MASS WIRE TERMINATION METHOD



Typical insertion force is 250N to 350N 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 wires being terminated.

### 4.4. 9177 CAP ASSEMBLY

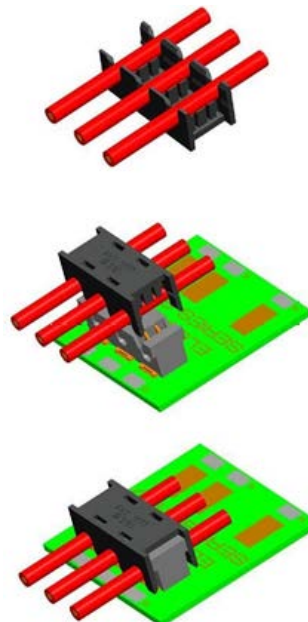


**9177 Cap:** Available in 1way, 2way and 3 way with through wire and wire stop options. Sizes 2.75mm, 3.50mm and 4.25mm wire insulation diameter for 14AWG to 20AWG wires.

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

1. Push wires into cap slots (slots grip wires)
2. Offer the pre-assembled wire/cap assy above the connector
3. Push down on cap until clips latch on the connector

Through Wire Version



Wire Stop Version

