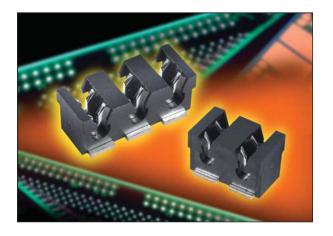
9176 Series







The 9176 series from AVX offers customers the ability of connecting individual wires to a single row of contacts using IDC technology.

Available as a 2 or 3 pin connector it is both low profile and has a small PCB footprint. The connector is SMT assembled to the PCB prior to assembly of the wire.

Using a small application tool, the wires are then inserted into the contact slot. This process cuts the insulation and enables the individual conductors of the wire to form a homogeneous joint. The shape of the molding also forms a restraint to the wire when fully inserted in the contact. These connectors are supplied in tape and reel for easy pick and place. The wire options are 18 to 24 AWG stranded wire.

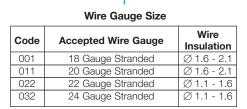
APPLICATIONS

- PCB to PCB individual wire interconnect
- Device to PCB interconnect (LED Modules and LED Strips)

HOW TO ORDER 00 9176 002 Prefix Series Number of Ways 002 = 2 003 = 3

FEATURES AND BENEFITS

- Small single row IDC
- Rated at 10 amps
- Uses both stranded wire (18 to 24 gauge)
- Insulators are end to end stackable for higher pin counts
- Uses simple hand tool for higher volume applications



001







9176 Series

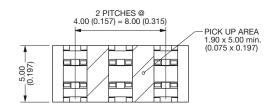
Wire to Board Strip IDC Connector

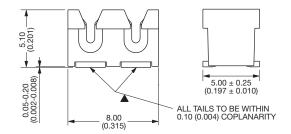


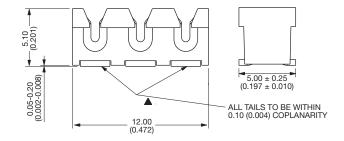
2 WAY IDC CONNECTOR

4.00 (0.157) PICK UP AREA 1.90 x 5.00 min. (0.075 x 0.197)

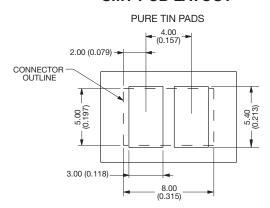
3 WAY IDC CONNECTOR



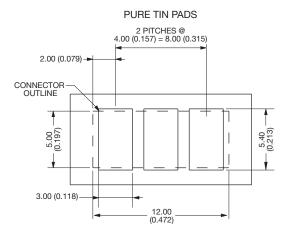




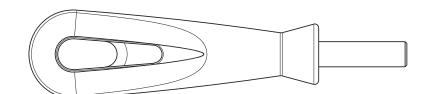
SMT PCB LAYOUT



SMT PCB LAYOUT

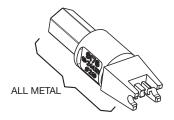


HAND INSERTION TOOLING



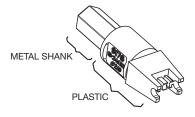
UNIVERSAL HANDLE

Details	Tool Part Number
6.35 A/F HEX BIT HOLDER	06 7000 7730 01 000



HIGH PRODUCTION Metal

Max Insulation Dia	Tool Part Number
Ø 2.10	06 9176 7017 01 000
Ø 1.60	06 9176 7017 02 000



MED PRODUCTION Metal/Plastic

Max Insulation Dia	Tool Part Number
Ø 2.10	06 9176 7016 01 000
Ø 1.60	06 9176 7016 02 000

