

## Simple Wire to Board solution from AVX

When there is a requirement to make a connection to a printed circuit board for individual wires there is a limited choice of solutions, particularly if the PCB is required to have surface mount components rather than through hole terminations. AVX have launched a neat connector that solves the problem with their 9175 series wire to board IDC connector.

Available as a 2 or 3 pin connector the 9175 series has both a low profile and a small PCB footprint. For ease of assembly the connector can be surface mounted to the PCB along with other surface mount components. When the wire is to be connected to the PCB this is achieved using a small application tool which presses the wires into the contact slot. This process cuts the insulation and enables the individual conductors of the wire to form a gas tight joint and eliminates the solder process. The shape of the moulding also forms a restraint to the wire when fully inserted in the contact.

Available in 2 or 3 way contact options they are end stackable to enable higher pin counts to be created. Rated at 1 amp these components are ideal for connecting leaded items such as coils, sensors or panel switches. The wire options are 28 or 26 AWG solid or stranded wire. The connectors are supplied in tape and reel for easy pick and place. Also available is the 9176 series, rated at 10 amps and with larger gauge wire capability and the 9177 series, rated at 15 amps.



DMTL the Surface Mount Specialist and AVX distributor can supply samples upon request.

For further information call 01276 33391 or email [IDC@dmtl.co.uk](mailto:IDC@dmtl.co.uk)

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## Connector helps Machines to Communicate

With the advent of wireless data logging from equipment such as metering systems, vending machines and automotive products there is a rapidly growing demand for quality SIM card connectors. AVX Kyocera has recently introduced a high quality Push/Push SIM socket range (Series 5036) that conforms not only to international standards but has options for higher temperature automotive applications.



Designed for use in rugged applications such as car telematics and utility metering,

the sockets have a positive latching system and a visual Card Detection indicator to ensure that the card is present and correctly located. An optional slide lock version is available for those situations where even greater physical security is required.

DMTL now supply the 5036 range of SIM sockets in six and eight way versions with an operating temperature range of -40 to +85°C. AVX can offer higher temperature versions as custom products to meet automotive standards. Top and bottom metal casing ensures both a robust construction and excellent RFI shielding. Hand assembly is simplified by optional location pegs.


Sample Machine to Machine (M2M) applications:

- Utility Metering
- Fleet management
- Car telematics
- Vending machines
- Ticket machines
- Temperature monitoring & management
- Data logging

For further information on the 5036 range and other AVX Kyocera interconnection products from DMTL, please call 01276 33391 or email [SIM@dmtl.co.uk](mailto:SIM@dmtl.co.uk)

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# SIMple Design Solutions



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