



## IDC POKE-IN WIRE CONNECTORS

Available In Surface Mount And Thru-Hole For Wire-To-Board Connectivity

### IDC Poke-In Wire Connector

TE Connectivity's (TE) IDC Poke-In Wire connector series are insulation displacement (IDC) connectors that are available in surface mount and thru-hole for Wire-to-Board connectivity. These connectors are designed for quick, tool-less termination of discrete solid and stranded wire leads to metal clad boards used in LED applications and FR4 boards used in thru-hole non-LED lighting applications. These connectors use TE Connectivity (TE) proven insulation displacement technology to provide a robust, stable electrical and mechanical power connection to single or multiple printed circuit boards.

### BENEFITS

- Insulation displacement eliminates the need to pre-strip wire insulation prior to "tool-less" termination.
- Integral cover provides wire entry location and when fully seated wire leads are secured in dual IDC slots ensures electrical connections.
- Integral cover provides a robust, mechanical strain relieved connection in high vibration applications.
- Wire placement viewing window and wire gauge color coded housings assist in error free assembly.
- Closed end versions are used in single discrete wire lead electrical connections.
- Feed thru versions are used in multiple board "daisy chaining" electrical connections.

## IDC Poke-In Wire Connectors

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#### APPLICATIONS

- LED lighting
- HVAC controls
- Fire and Security controls
- Household Appliances
- Power Tools

#### MECHANICAL

- Operating Temperature: -40°C to 105°C
- Wire Retention: 5 lbs. max

#### SPECIFICATIONS

- Applications Specification: 114-13266
- Product Specification: 108-2404
- UL Approvals: 1977

#### ELECTRICAL

- Current rating: 8A with 18 AWG
- Voltage rating: 400 VAC / 400 VDC
- Dielectric strength: 1500 VAC

#### MATERIALS

- Housing: PA UL94 V-0
- Contact: Tin over nickel plated copper alloy

#### COLORS

- 18 AWG - Yellow
- 20 AWG - Blue
- 22 AWG - Green
- 24 AWG - Red



### CLOSED END IDC SSL CONNECTORS (SMT)

Part Number	Position	Wire Size	Dim "D"	Color
<a href="#">2106003-1*</a>	1	18 AWG	5.70 [.224]	YELLOW
<a href="#">2106003-2*</a>	2	18 AWG	9.70 [.382]	YELLOW
<a href="#">2106003-3*</a>	3	18 AWG	13.70 [.539]	YELLOW
<a href="#">2106003-4</a>	4	18 AWG	17.70 [.697]	YELLOW
<a href="#">1-2106003-1*</a>	1	20 AWG	5.70 [.224]	BLUE
<a href="#">1-2106003-2*</a>	2	20 AWG	9.70 [.382]	BLUE
<a href="#">1-2106003-3*</a>	3	20 AWG	13.70 [.539]	BLUE
<a href="#">1-2106003-4</a>	4	20 AWG	17.70 [.697]	BLUE
<a href="#">2-2106003-1</a>	1	22 AWG	5.70 [.224]	GREEN
<a href="#">2-2106003-2</a>	2	22 AWG	9.70 [.382]	GREEN
<a href="#">2-2106003-3</a>	3	22 AWG	13.70 [.539]	GREEN
<a href="#">2-2106003-4</a>	4	22 AWG	17.70 [.697]	GREEN
<a href="#">3-2106003-1</a>	1	24 AWG	5.70 [.224]	RED
<a href="#">3-2106003-2</a>	2	24 AWG	9.70 [.382]	RED
<a href="#">3-2106003-3</a>	3	24 AWG	13.70 [.539]	RED
<a href="#">3-2106003-4</a>	4	24 AWG	17.70 [.697]	RED

\*Preferred part numbers

## IDC Poke-In Wire Connectors

### FEED THRU IDC SSL CONNECTORS (SMT)

Part Number	Position	Wire Size	Dim "D"	Color
<a href="#">2106431-1*</a>	1	18 AWG	5.70 [.224]	YELLOW
<a href="#">2106431-2*</a>	2	18 AWG	9.70 [.382]	YELLOW
<a href="#">2106431-3*</a>	3	18 AWG	13.70 [.539]	YELLOW
<a href="#">2106431-4</a>	4	18 AWG	17.70 [.697]	YELLOW
<a href="#">1-2106431-1*</a>	1	20 AWG	5.70 [.224]	BLUE
<a href="#">1-2106431-2*</a>	2	20 AWG	9.70 [.382]	BLUE
<a href="#">1-2106431-3*</a>	3	20 AWG	13.70 [.539]	BLUE
<a href="#">1-2106431-4</a>	4	20 AWG	17.70 [.697]	BLUE
<a href="#">2-2106431-1*</a>	1	22 AWG	5.70 [.224]	GREEN
<a href="#">2-2106431-2*</a>	2	22 AWG	9.70 [.382]	GREEN
<a href="#">2-2106431-3</a>	3	22 AWG	13.70 [.539]	GREEN
<a href="#">2-2106431-4</a>	4	22 AWG	17.70 [.697]	GREEN
<a href="#">3-2106431-1</a>	1	24 AWG	5.70 [.224]	RED
<a href="#">3-2106431-2</a>	2	24 AWG	9.70 [.382]	RED
<a href="#">3-2106431-3</a>	3	24 AWG	13.70 [.539]	RED
<a href="#">3-2106431-4</a>	4	24 AWG	17.70 [.697]	RED

### CLOSED END IDC SSL CONNECTORS (THRU-HOLE)

Part Number	Position	Wire Size	Dim "D"	Color
<a href="#">2106489-1</a>	1	18 AWG	5.70 [.224]	YELLOW
<a href="#">2106489-2</a>	2	18 AWG	9.70 [.382]	YELLOW
<a href="#">2106489-3</a>	3	18 AWG	13.70 [.539]	YELLOW
<a href="#">2106489-4</a>	4	18 AWG	17.70 [.697]	YELLOW
<a href="#">1-2106489-1</a>	1	20 AWG	5.70 [.224]	BLUE
<a href="#">1-2106489-2</a>	2	20 AWG	9.70 [.382]	BLUE
<a href="#">1-2106489-3</a>	3	20 AWG	13.70 [.539]	BLUE
<a href="#">1-2106489-4</a>	4	20 AWG	17.70 [.697]	BLUE
<a href="#">2-2106489-1</a>	1	22 AWG	5.70 [.224]	GREEN
<a href="#">2-2106489-2</a>	2	22 AWG	9.70 [.382]	GREEN
<a href="#">2-2106489-3</a>	3	22 AWG	13.70 [.539]	GREEN
<a href="#">2-2106489-4</a>	4	22 AWG	17.70 [.697]	GREEN
<a href="#">3-2106489-1</a>	1	24 AWG	5.70 [.224]	RED
<a href="#">3-2106489-2</a>	2	24 AWG	9.70 [.382]	RED
<a href="#">3-2106489-3</a>	3	24 AWG	13.70 [.539]	RED
<a href="#">3-2106489-4</a>	4	24 AWG	17.70 [.697]	RED

\*Preferred part numbers

## IDC Poke-In Wire Connectors

### CLOSED END IDC SSL CONNECTORS (THRU-HOLE)

Part Number	Position	Wire Size	Dim "D"	Color
<a href="#">2106751-1</a>	1	18 AWG	5.70 [.224]	YELLOW
<a href="#">2106751-2</a>	2	18 AWG	9.70 [.382]	YELLOW
<a href="#">2106751-3</a>	3	18 AWG	13.70 [.539]	YELLOW
<a href="#">2106751-4</a>	4	18 AWG	17.70 [.697]	YELLOW
<a href="#">1-2106751-1</a>	1	20 AWG	5.70 [.224]	BLUE
<a href="#">1-2106751-2</a>	2	20 AWG	9.70 [.382]	BLUE
<a href="#">1-2106751-3</a>	3	20 AWG	13.70 [.539]	BLUE
<a href="#">1-2106751-4</a>	4	20 AWG	17.70 [.697]	BLUE
<a href="#">2-2106751-1</a>	1	22 AWG	5.70 [.224]	GREEN
<a href="#">2-2106751-2</a>	2	22 AWG	9.70 [.382]	GREEN
<a href="#">2-2106751-3</a>	3	22 AWG	13.70 [.539]	GREEN
<a href="#">2-2106751-4</a>	4	22 AWG	17.70 [.697]	GREEN
<a href="#">3-2106751-1</a>	1	24 AWG	5.70 [.224]	RED
<a href="#">3-2106751-2</a>	2	24 AWG	9.70 [.382]	RED
<a href="#">3-2106751-3</a>	3	24 AWG	13.70 [.539]	RED
<a href="#">3-2106751-4</a>	4	24 AWG	17.70 [.697]	RED

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