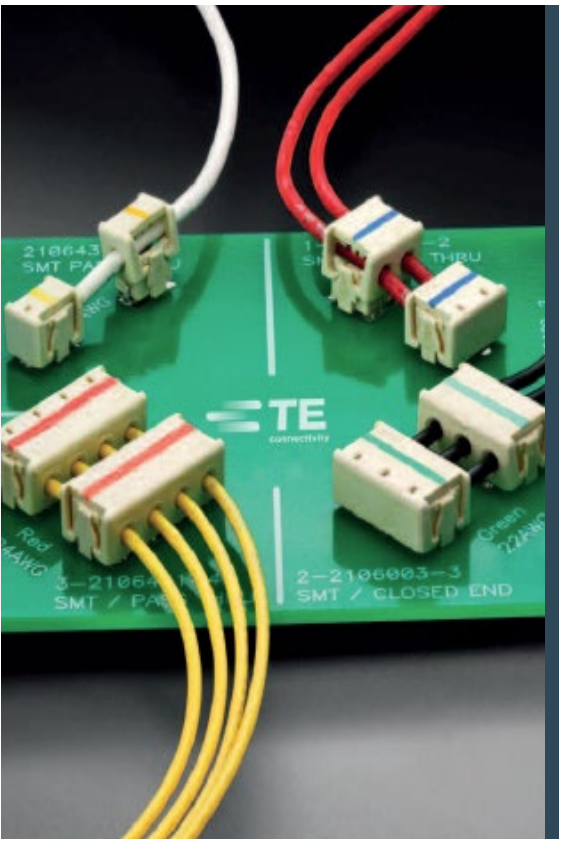

IDC POKE-IN WIRE CONNECTORS

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) reliable insulation displacement technology to prove a robust, stable electrical and mechanical power connection to single or multiple printed circuit boards.

ELECTRICAL

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

MECHANICAL

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

MATERIALS

- Housing: PA UL94 V-0
- Contact: Tin over nickel plated
- Copper Alloy

SPECIFICATIONS

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

COLORS

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

BENEFITS

- Insulation displacement helps eliminate 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 help ensure 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 resistant 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

APPLICATIONS

- LED lighting
- HVAC controls
- Fire and security controls
- Household appliances
- Power tools

CLOSED END IDC SSL CONNECTORS (SMT)

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

FEED THRU IDC SSL CONNECTORS (SMT)

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

*Preferred part numbers

IDC POKE-IN WIRE CONNECTOR

CLOSED END IDC SSL CONNECTORS (THRU-HOLE)

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

CLOSED END IDC SSL CONNECTORS (THRU-HOLE)

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

*Preferred part numbers

View Products

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