

IDC/PRESS-FIT WIRE-TO-BOARD 18-24 AWG: 53-8702



General Information



For more than a decade, insulation displacement contacts (IDC) and press-fit or compliant pin technology have been proven to be two of the most reliable contact systems in critical automotive systems such as: airbag, engine and transmission control units.

KYOCERA AVX has combined these two contact technologies into a unique, high reliability WTB connection system to replace traditional 2-Piece solutions, offering designers a new packaging option.

APPLICATIONS

- Automotive electronic systems
- Application Notes: Refer to 201-01-224
- Product Specification: Refer to 201-01-228

FEATURES AND BENEFITS

- Proven "gas tight" cold welded wire terminations to PCB
- Redundant contact systems provides enhanced wire retention and PCB attachment (Dual Row Version)
- Replace costly 2-Piece connector solutions

ELECTRICAL

- Current Rating:

AWG	Current (Amps)
18	Up to 15
20	Up to 12
22	Up to 11
24	Up to 9

- Voltage Rating: 600 VAC (RMS) or DC Equivalent

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +80°C

MECHANICAL

- Contact Material: Tin Plated Copper Alloy
- Contact Plating: Pure tin over nickel
- Durability: 1 termination cycles

HOW TO ORDER

53

Prefix

53 = Finished Part

8702

Series

X

Number of Rows

1 = Single Row
2 = Dual Row

0X

Number of Ways

01 = 1*
02 = 2
03 = 3
04 = 4
05 = 5
06 = 6
07 = 7*
08 = 8*

*1, 7, and 8 way only available in dual row version

0XX

Hole Size

018 = 18 AWG
020 = 20 AWG
022 = 22 AWG
024 = 24 AWG

09

Serialized Project Number

6

Plating

6 = Pure Tin all over



SALES DRAWINGS
CLICK TO DOWNLOAD