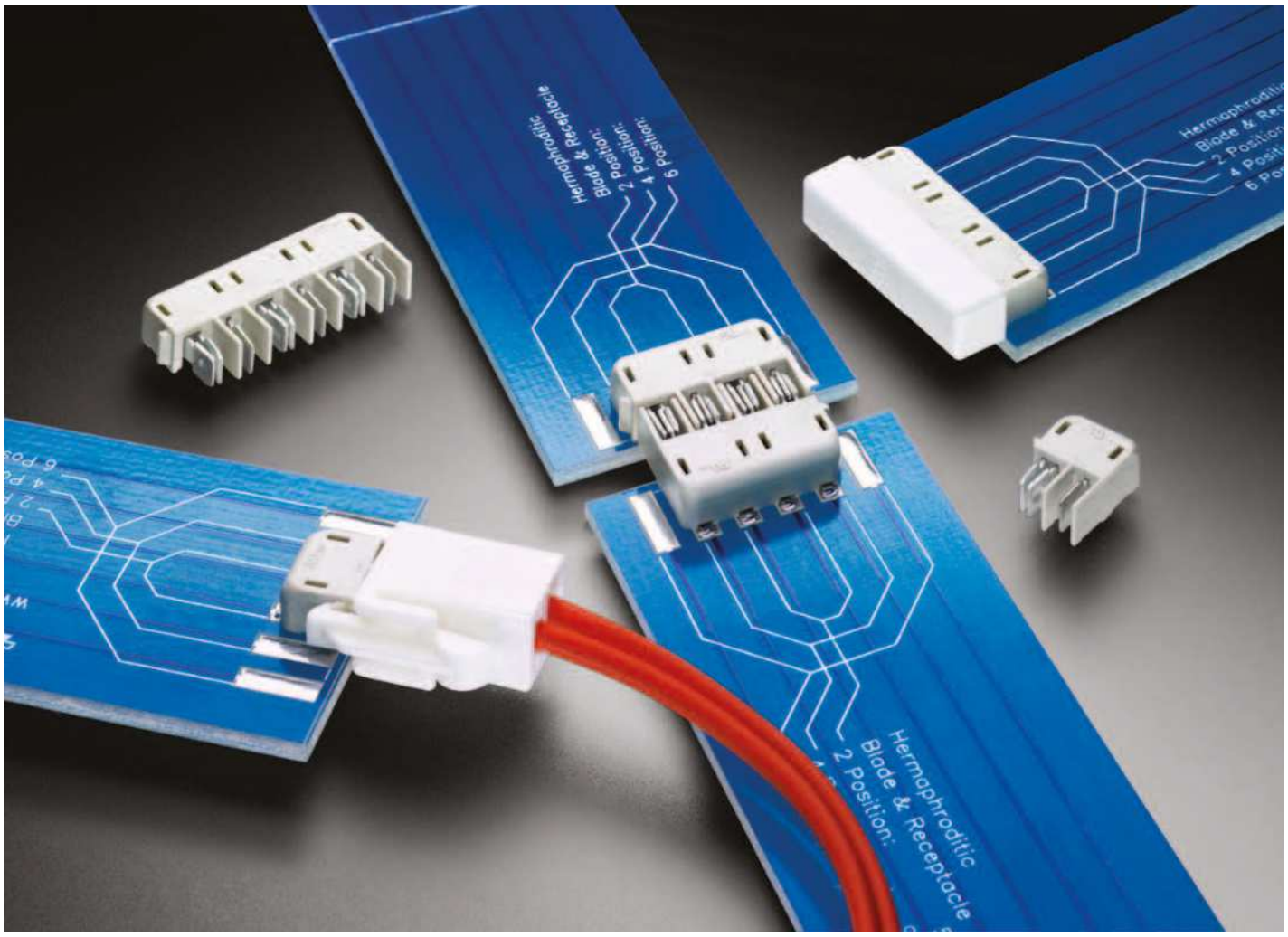


HERMAPHRODITIC BLADE AND RECEPTACLE CONNECTOR

Wire-to-Board, Board-to-Board and Dust Cover

HERMAPHRODITIC BLADE AND RECEPTACLE CONNECTOR

WIRE-TO-BOARD

The wire-to-board connector is a plug connector that mates to the latest part number series of the surface mount hermaphroditic blade and receptacle board to board connectors. The connector provides power to the first LED printed circuit board in a string of rigid printed circuit board light strips.

KEY FEATURES

- Available in 2, 4, and 6 positions
- Connector mates to hermaphroditic blade and receptacle board-to-board part numbers with latching feature
- Positive Latching
- Connector accepts crimp snap contacts
- Contacts accept 18 AWG – 22 AWG stranded wire
- Contacts packaged on 24 inch reels for high speed lead termination
- Housings are bulk packaged
- RoHS compliant
- Custom length wire-to-board cable assemblies are available upon request

APPLICATIONS

- LED Lighting Controls
- LED Lighting Strips
- Channel Lettering

ELECTRICAL

- Operating Current : 6 AMPS
- Operating Voltage : 125VAC/125VDC
- Dielectric Withstanding Voltage : 1500VAC

MECHANICAL

- Operating Temperature: -40°C to +105°C
- Mating cycles: 10

MATERIALS

- Housings: UL 94 V-0
- Contacts: Tin plated brass

STANDARDS & SPECIFICATIONS

- Wire-to-Board Application Specification: 114-13252
- Wire-to-Board Product Specification: 108-2387
- UL and cUL recognized : File No. E28476

APPLICATION TOOLING

- PRO-CRIMPER III Hand Tool (includes die set): 2063778-1
- Die Set for Hand Tool: 2063778-2

For more information visit: tooling.te.com

HERMAPHRODITIC BLADE AND RECEPTACLE CONNECTOR

BOARD-TO-BOARD

The hermaphroditic blade and receptacle connector is a latest surface mount technology (SMT) connector and is intended for use with in-line board-to-board applications.

KEY FEATURES

- Available in 2, 4, and 6 positions
- Connector mates to itself
- Single part to be stocked and placed onto pcb per position
- Connector mates and unmates horizontally and vertically
- Connector can be articulated from 90° to 180°
- Tape and reel packed for high speed SMT processes
- Low profile flat surface is compatible with SMT and reflow processing
- Rounded corners to minimize shadowing
- Redundant SMT pads
- Optional 2, 4 and 6 position dust cover available
- RoHS compliant

APPLICATIONS

- LED Lighting Controls
- LED Lighting Strips
- Channel Lettering

ELECTRICAL

- Operating Current : 6 AMPS
- Operating Voltage : 125VAC/125VDC
- Dielectric Withstanding Voltage : 1500VAC

MECHANICAL

- Operating Temperature: -40°C to +105°C

MATERIALS

- Housings: UL 94V-0 high temperature resistant thermoplastic
- Contacts: Copper Alloy, tin over nickel plated
- Dust Cover : Polybutylene terephthalate (PBT)

STANDARDS & SPECIFICATIONS

- Board-to-Board Application Specification: 114-13225
- Board-to-Board Product Specification: 108-2342
- UL and cUL recognized : File No. E28476

PRODUCT OFFERING

Blade and Receptacle SMT Connectors

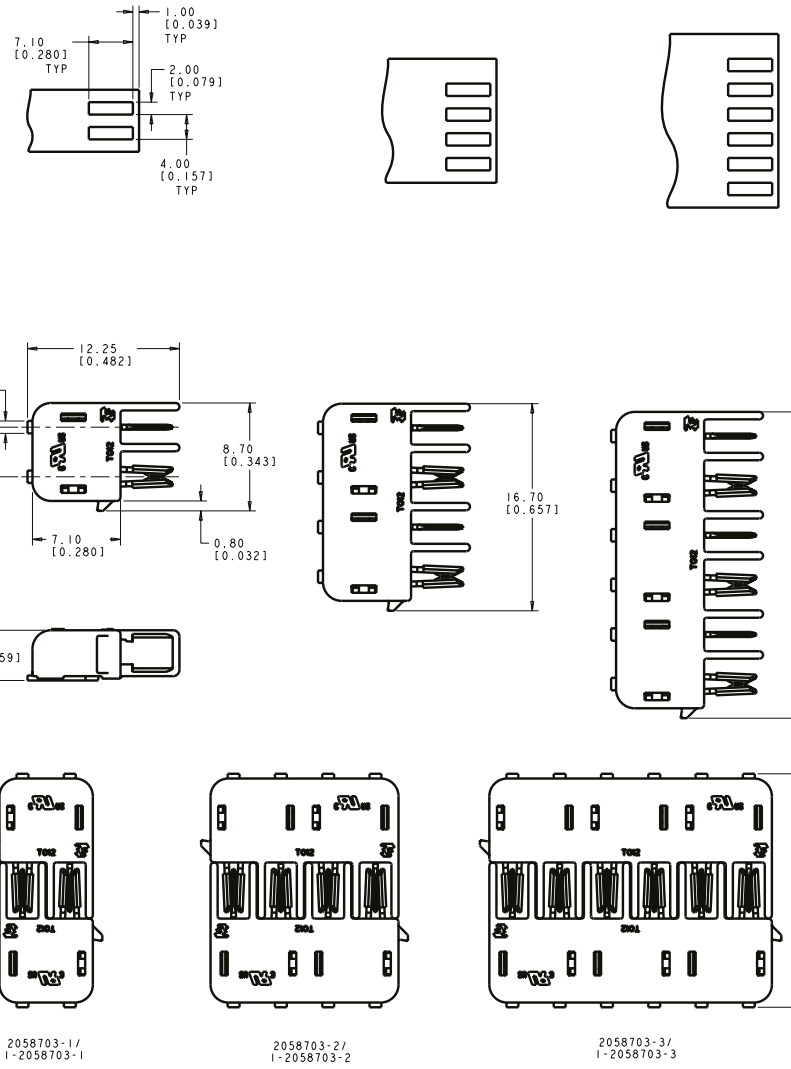
Part Number	Position	Color
2058703-1	2	White
2058703-2	4	White
2058703-3	6	White
1-2058703-1	2	Black
1-2058703-2	4	Black
1-2058703-3	6	Black

Dust Cover

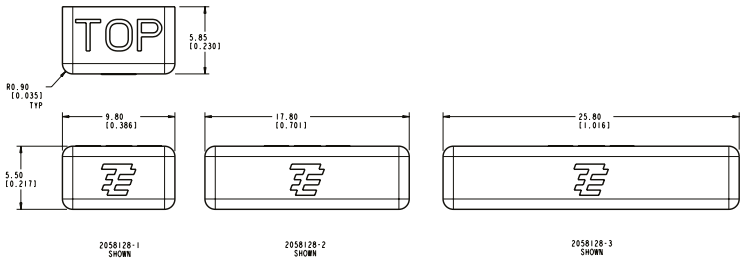
Part Number	Position	Color
2058128-1	2	Natural
2058128-2	4	Natural
2058128-3	6	Natural
1-2058128-1	2	Black
1-2058128-2	4	Black
1-2058128-3	6	Black

PRODUCT DIMENSIONS

Board-to-Board



Dust cover



PRODUCT OFFERING AND DIMENSIONS

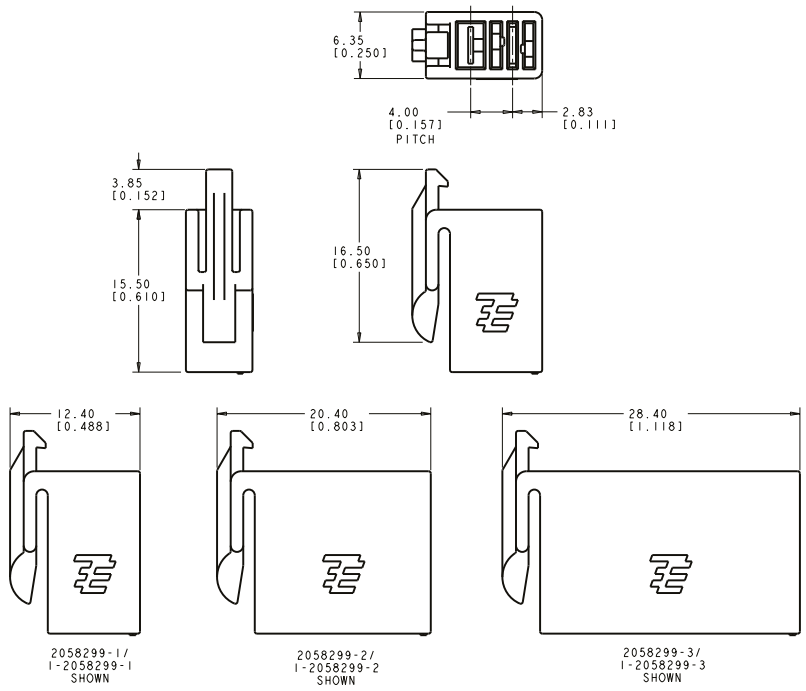
Wire-to-Board

Housings

Part Number	Position	Color
2058299-1	2	Natural
2058299-2	4	Natural
2058299-3	6	Natural
1-2058299-1	2	Black
1-2058299-2	4	Black
1-2058299-3	6	Black

Contacts

2058301-1	Blade Contact
2058301-2	Blade Contact - Loose Piece
2058302-1	Socket Contact
2058302-2	Socket Contact - Loose Piece



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te.com/hermaphroditic-connectors

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