Hermaphroditic Blade and Receptacle Connector

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

**DESCRIPTIONS**

The Wire-to-Board connector is a new plug connector that mates to the new 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.

**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 AND SPECIFICATIONS**

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

**APPLICATION TOOLING**

- 2063778-1 : PRO-CRIMPER III Hand Tool (includes die set)
- 2063778-2 : Die Set for Hand Tool
- 1852817-1 : Leadmaker Applicator
- 1852817-2 : AMP-O-LECTRIC “K” Press Applicator
- 1852817-3 : AMP-O-LECTRIC “G” Press Applicator

For more information visit : tooling.te.com
**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

**DESCRIPTIONS**

The hermaphroditic blade and receptacle connector is a new SMT connector and is intended for use with in-line board-to-board applications.

**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 : PBT

**STANDARDS AND SPECIFICATIONS**

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

**PRODUCT OFFERING**

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**PRODUCT DIMENSIONS**

**Board-to-Board**

0.13 [0.05] MAX PERMISSIBLE MISALIGNMENT BETWEEN BOARD EDGE AND CONNECTOR FACE

**Dust Cover**
Wire-to-Board

PRODUCT OFFERING AND DIMENSIONS

Housings

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Contacts

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

Cable Assemblies

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FOR MORE INFORMATION
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Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.
*as defined www.te.com/leadfree