Introducing
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 new Hermaphroditic Blade and Receptacle Board-to-Board part numbers
- 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

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 : http://tooling.tycoelectronics.com
Hermaphroditic Blade and Receptacle Connector: Board-to-Board

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
- Solder pad footprint compatible with Tyco Electronics SMT Poke-In LED connector
- 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 Design Objectives
UL and cUL Recognized: File No. E28476

PRODUCT OFFERING

### Blade and Receptacle SMT Connectors

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### Dust Cover

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Hermaphroditic Blade and Receptacle Connector
Board-to-Board

PRODUCT DIMENSIONS

Board-to-Board

* Optional pads for SMT poke-in connector for P/N 1954097-1

Dust Cover

Tyco Electronics
Hermaphroditic Blade and Receptacle Connector

Wire-to-Board

**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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