



Hermaphroditic Blade and Receptacle Connector

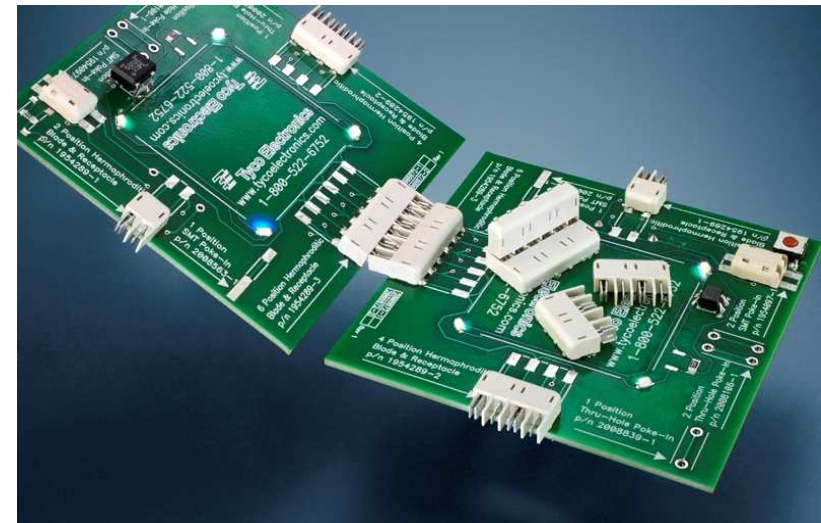
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Hermaphroditic Blade and Receptacle Connector

Product Description

- Description
 - The Tyco Electronics hermaphroditic blade and receptacle connector is a new SMT connector intended for use with in-line board-to-board applications.
 - The hermaphroditic blade and receptacle connectors are available in 2, 4 and 6 position configurations



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Product Applications

- Product Applications
 - In-line board-to-board applications:
 - LED lighting modules
 - Incandescent lighting strips
 - Channel lettering

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Key Features

- Features
 - Connector mates to itself
 - Connector mates and unmates horizontally and vertically
 - Connector can be articulated from 90° to 180° degrees
 - Tape and reel packaging for high speed SMT processes
 - Low profile flat surface is compatible with SMT reflow processing
 - High temperature material for reflow type processes
 - Rounded corners to minimize shadowing
 - Redundant SMT pads
 - Solder pad footprint compatible with TE SMT poke-in LED connector
 - RoHS compliant

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Product Advantages

- Advantages
 - Simplifies installation of a series of pc board strips
 - Simplifies the replacement of an individual pc board with no need to remove adjacent pc boards
 - Simplifies interconnecting pc boards at angles beyond traditional co-planer applications
 - Low profile design is easily integrated into customer assemblies
 - SMT pick & place facilitated by tape and reel packaging
 - Reduces part number inventory

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Performance Data

- Performance Data
 - Materials:
 - Housing – High temperature resistant thermoplastic
 - Contact – Copper Alloy, Tin over Nickel plated
 - Electrical:
 - 90VAC, 5A / 90VDC, 5A
 - Dielectric Withstanding Voltage: 1500VAC
 - Mechanical:
 - -40° to +105° C
 - Standards & Specification
 - TE Application Specification: 114-13,225
 - TE Design Objectives: 108-2342
 - UL and cUL Recognized, File No. E28476

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