



HERMAPHRODITIC CONNECTORS WITH GOLD PLATING

TE Connectivity (TE) introduces the standard Hermaphroditic Blade and Receptacle connectors with selective gold plating. The gold plated connectors are suitable for harsh environments where moisture and high vibration may be present. The wire-to-board connectors are also available that accept select gold-plated contacts and 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 and between adjacent LED printed circuit boards in a linear lighting fixture.

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

- **Housing:** UL 94V0 high temperature resistant thermoplastic
- **Contact:** Gold over Nickel at separable interface (Tin over Nickel for the remainder)

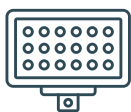
KEY BENEFITS

- Available in 2, 4 and 6 positions to connect power, signal and data
- Board-to-board connectors mate to themselves vertically and horizontally to simplify assembly and service
- Wire-to-board connectors provide positive latching
- Low profile, flat design with rounded corners help reduce shadowing
- Tape and reel packaged product is compatible with high speed surface mount technology (SMT) and reflow solder process
- Select gold plating helps reduce the potential for fretting corrosion caused by micro motion in harsh LED lighting environments

PRODUCT SPECIFICATIONS

- Product Specification: [108-2342](#) for Hermaphroditic Products
- Application Specification: [114-13225](#) for Hermaphroditic Board-to-Board Products
- Application Specification: [114-13252](#) for Hermaphroditic Wire-to-Board Products

APPLICATIONS



LED Lighting Modules



LED Lighting Strips



Channel Lettering



Commercial Refrigeration LED Lighting



Rail, Bus and Airplane LED Lighting

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PRODUCT SELECTION INFORMATION

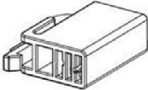
BOARD-TO-BOARD PRODUCTS

Product Image	Housing Features	Positions	Housing Color	TE Part Number
	Standard	2	Natural	2213613-1
			Black	1-2213613-1
		4	Natural	2213613-2
			Black	1-2213613-2
		6	Natural	2213613-3
			Black	1-2213613-3
	With Single Latch	2	Natural	2213614-1
			Black	1-2213614-1
		4	Natural	2213614-2
			Black	1-2213614-2
		6	Natural	2213614-3
			Black	1-2213614-3
	With Post	2	Natural	2213616-1
			Black	1-2213616-1
		4	Natural	2213616-2
			Black	1-2213616-2
		6	Natural	2213616-3
			Black	1-2213616-3
	With Post	2	Natural	2213616-1
			Black	1-2213616-1
		4	Natural	2213616-2
			Black	1-2213616-2
		6	Natural	2213616-3
			Black	1-2213616-3

WIRE-TO-BOARD

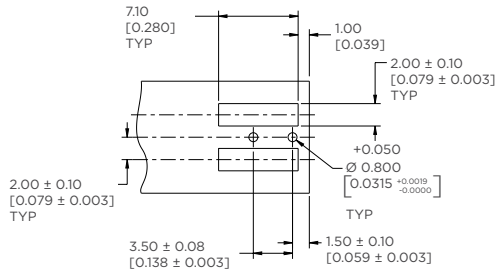
Contact Style	TE Part Number
Wire-to-Board Socket Contact, Select-Gold	2213373-1
Wire-to-Board Blade Contact, Select-Gold	2213374-1

BOARD-TO-BOARD PRODUCTS

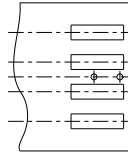
Product Image	Housing Features	Positions	Housing Color	TE Part Number
	With Single Latch	2	Natural	2058299-1
			Black	1-2058299-1
		4	Natural	2058299-2
			Black	1-2058299-2
		6	Natural	2058299-3
			Black	1-2058299-3

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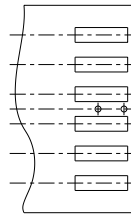
DIMENSIONS



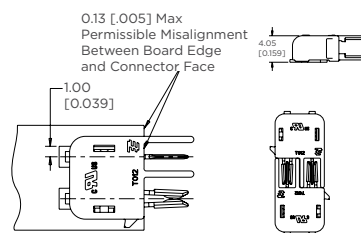
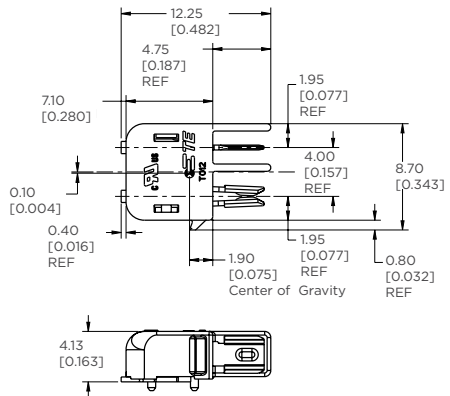
2 Position



4 Position



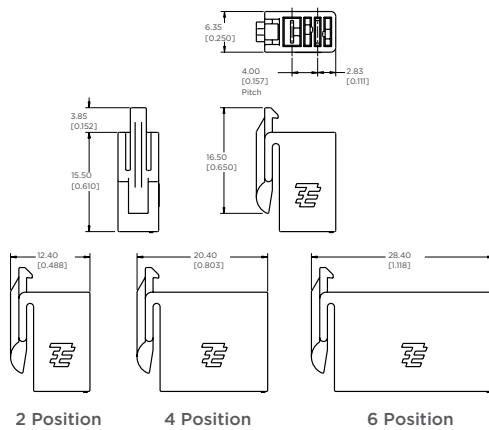
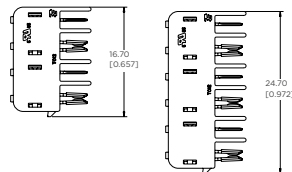
6 Position



2 Position4

Position6

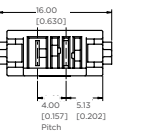
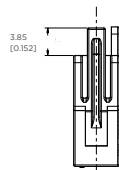
Position



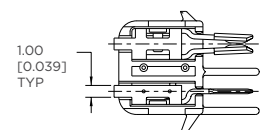
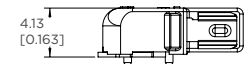
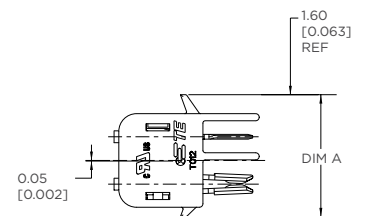
2 Position

4 Position

6 Position



2 Position



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te.com/hermaphroditic-connectors

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