

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.



Applications

- LED lighting modules
- LED lighting strips
- Channel lettering
- Commercial refrigeration LED lighting
- Rail, bus and airplane LED lighting

Electrical

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

Mechanical

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

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

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 eliminate shadowing
- Tape and reel packaged product is compatible with high speed SMT and reflow solder process
- Select gold plating eliminates the potential for fretting corrosion caused by micro motion in harsh LED lighting environments

Product Selection Information

BOARD-TO-BOARD PRODUCTS

	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 Dual Latch	2	Natural	2213877-1
			Black	1-2213877-1
	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 Latch and Post	2	Natural	2213617-1
			Black	1-2213617-1
		4	Natural	2213617-2
			Black	1-2213617-2
		6	Natural	2213617-3
			Black	1-2213617-3

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		

	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
	with Dual Latch	2	Natural	2213709-1
			Black	1-2213709-1



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