



**THE DATASHEET OF
5050720101**





The sleek TermiMate™ wire-to-board and board-to-board system minimizes shadowing in LED lighting applications while providing space savings and reduced component costs

Features and Benefits

Low profile and compact size	Provides space-saving; low height prevents shadows in LED lighting applications
Plug terminal for both wire-to-board and board-to-board configurations	Offers design flexibility and component cost savings
Terminal-only system	Provides further space and component cost savings versus two-piece housing style systems
Floating tolerance (Board-to-Board)	Absorbs inexact mating tolerances to facilitate correct insertion and prevent terminal damage
Secure friction lock	Provides secure mating and prevents accidental disconnect

TermiMate™ One-Circuit Board-to-Board and Wire-to-Board Terminal-Style Connector System

505071 PCB Plug, Board-to-Board, Wire-to-Board

505072 PCB Receptacle, Board-to-Board

505073 Crimp Receptacle, Wire-to-Board



Markets and Applications

Lighting

- LED Down Lights
- LED Strip Lights
- Other Lighting
- Datacommunications
- Tablet PC

Home Entertainment

- LCD TV Backlight



LED TV



Tablet PC



LED Strip Lighting



LED Down Lighting

Specifications

REFERENCE INFORMATION

Packaging: Embossed Taping
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Yes

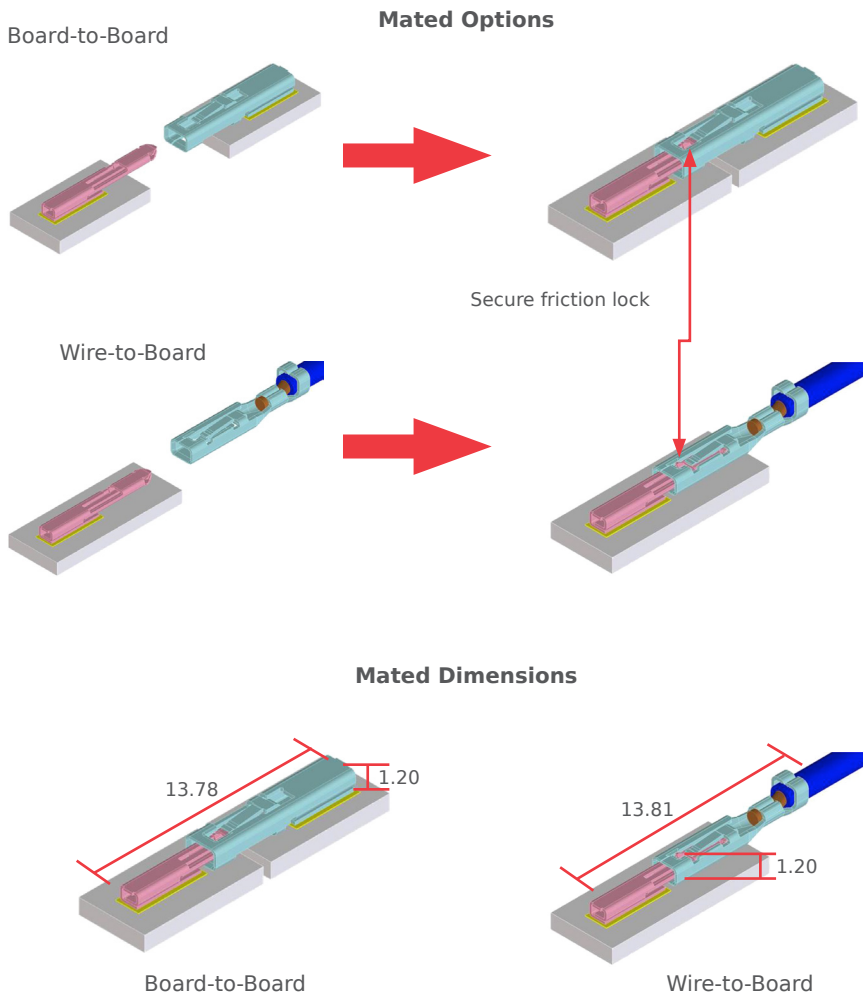
PHYSICAL

Contact: Copper Alloy
 Plating:
 Contact area – Tin
 Underplating – Nickel
 Insulation Diameter:
 0.90mm –1.70mm
 Operating Temperature:
 -55 to +105°C

ELECTRICAL

Voltage (max.): 125V
 Current (max.): 3.0A
 Wire Range:
 22-26 AWG (Wire-to-Board)
 Contact Resistance:
 40 milliohms max.
 Dielectric Withstanding Voltage:
 400V AC (rms)
 Insulation Resistance:
 1000 Megohm min.

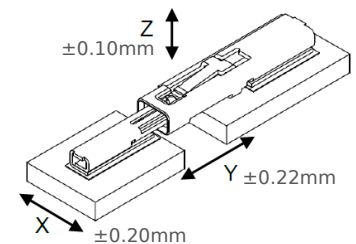
Additional Product Features



TermiMate™ One-Circuit Board-to-Board and Wire-to-Board Terminal-Style Connector System

- 505071** PCB Plug, Board-to-Board, Wire-to-Board
- 505072** PCB Receptacle, Board-to-Board
- 505073** Crimp Receptacle, Wire-to-Board

Floating Tolerance



Tolerances are built into the X, Y and Z axes to accept slight inexact mating without damaging the contact interface. However it is recommended to insert along the engagement axis.

Ordering Information

Wire-to-Board

Order No.	Type	Wire Range	Insulation Diameter
505073-1100	Crimp Receptacle	22-26 AWG	0.90 - 1.70mm
505071-0101	PCB Plug		

Board-to-Board



Order No.	Type
505072-0101	PCB Receptacle
505071-0101	PCB Plug

Application Tooling

Order No.	Tool Type	Application
578140-3000	Crimp Die	Wire-to-Board
578140-5300	Hand Tool	Wire-to-Board
578140-6000	Extractor Jig	Wire-to-Board
578140-6100	Extractor Jig	Board-to-Board

Looking for pricing, stock, or lifecycle information?

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-  [Molex, LLC Information](#)

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