



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

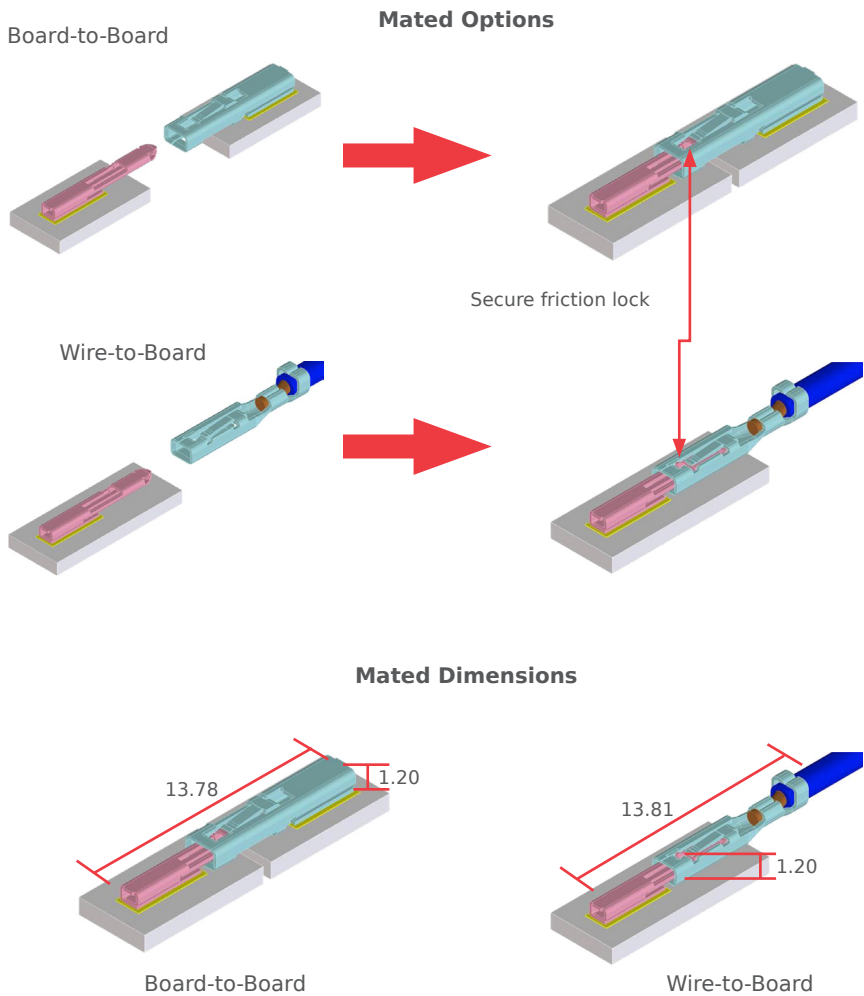
#### PHYSICAL

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



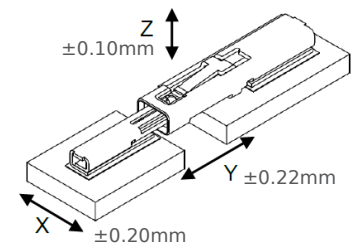
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### Floating Tolerance



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