# molex

The sleek TermiMate™ wire-to-board and board-toboard 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<sup>™</sup> One-Circuit Boardto-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** 

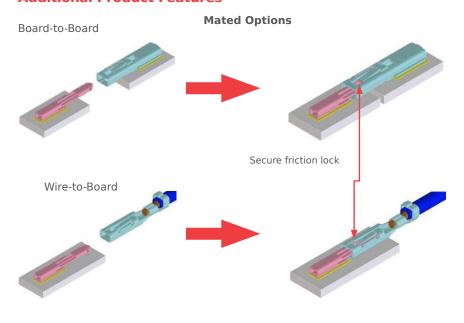
Contact: Copper Alloy Plating: Contact area – Tin Underplating – Nickel Insulation Diameter: 0.90mm –1.70mm Operating Temperature: -55 to +105°C

# **ELECTRICAL**

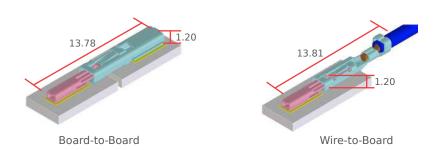
Voltage (max.): 125V Current (max.): 3.0A Wire Range: 22-26 AWG (Wire-to-Board) Contact Resistance: 40 milliohms max. Dielectric Withstanding Voltage: 400V AC (rms) Insulation Resistance: 1000 Megohm min.



## **Additional Product Features**



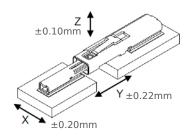
#### **Mated Dimensions**



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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.	Туре	Wire Range	Insulation Diameter
505073-1100	Crimp Receptacle	22-26 AWG	0.90 - 1.70mm
505071-0101	PCB Plug	22-20 AWG	

### **Board-to-Board**

Order No.	Туре	
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

www.molex.com/link/termimate.html