CLIK-Mate Wire-to-Board Connector System
1.25, 1.50 and 2.00mm Pitch

The rugged CLIK-Mate wire-to-board system provides secure electrical contact, low insertion force and mating assurance in a wide variety of configurations, circuit sizes and current options

Features and Advantages

Dual in-line package with surface-mount technology
Provides space saving

Dual inner positive locks
Provides mating assurance and enables simplified cable assembly for operators

Bottom-entry mounting version
Offers space savings and simplification of wiring compared to top-mounting styles

Click sound and feeling when mated
Provides mating confirmation

Tuning-fork style contact design
Offers secure electrical contact and avoids terminal stubbing

* Contact GPM for availability of color housing

Applications

Consumer
- Gaming machines
- LCD and TV panels

Automotive
- Infotainment
- Interior mirrors

Lighting
- LED light modules
- Office down lights

Industrial
- Scanners
- Smart grid meters

Medical
- Patient monitors
- Surgical equipment

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# Specifications

## ELECTRICAL
- Voltage (max): 2.00mm pitch: 250V; 1.50mm pitch: 100V; 1.25mm pitch: 50V
- Current (max): 2.00mm pitch: 3.0A; 1.50mm pitch: 2.0A; 1.25mm pitch: 1.0A;
- Contact Resistance: 20 milliohms max.

## PHYSICAL
- Contact: Copper alloy
- Plating: Tin and Gold
- Operating Temperature: -40 to +105°C

## Current Derating Information

### CLIK-Mate Series Rated Current (MAX.)

<table>
<thead>
<tr>
<th>AWG</th>
<th>1.25mm Pitch Single Row</th>
<th>1.50mm Pitch Single Row</th>
<th>2.00mm Pitch Single Row</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-circuits</td>
<td>8-circuits</td>
<td>15-circuits</td>
</tr>
<tr>
<td>26</td>
<td>2.5</td>
<td>1.5</td>
<td>1.0</td>
</tr>
<tr>
<td>28</td>
<td>2.0</td>
<td>1.5</td>
<td>1.0</td>
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</tbody>
</table>

(1) Values are for REFERENCE ONLY.
(2) Current deratings are based on not exceeding 30°C temperature.
(3) PCB trace design can greatly affect temperature rise results in Wire-to-Board applications.
(4) Data is for all circuits powered.
# Ordering Information

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Pitch (mm)</th>
<th>Plating</th>
<th>Description</th>
<th>Wire Range (AWG)</th>
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<tbody>
<tr>
<td>502381-0000</td>
<td>1.25</td>
<td>Tin</td>
<td></td>
<td>26 to 28</td>
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<tr>
<td>502381-0010</td>
<td></td>
<td>Gold (0.1µm)</td>
<td></td>
<td>24 to 28</td>
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<tr>
<td>502579-0000</td>
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<td>Tin</td>
<td></td>
<td>26 to 30</td>
</tr>
<tr>
<td>503429-0000</td>
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<td>Crimp Terminals</td>
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<td>24 to 26</td>
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<td>26 to 28</td>
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<td>502381-2000</td>
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<td>Gold (0.38µm)</td>
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<td>24 to 26</td>
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<tr>
<td>502381-3000</td>
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<td>Gold (0.76µm)</td>
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<td>502438-0000</td>
<td>2.00</td>
<td>Tin</td>
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<td>22 to 26</td>
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<td>Tin</td>
<td>Plug Housing, Dual Row</td>
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<tr>
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<tr>
<td>213225-xx30</td>
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