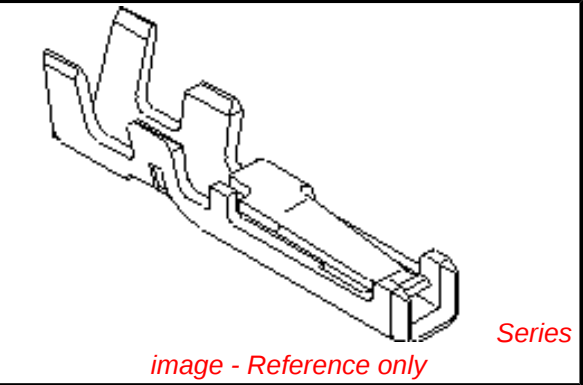


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**Part Number:** [50641-8141](#)  
**Status:** **Active**  
**Overview:** [PanelMate™ Wire-to-Board Connector System](#)  
**Description:** [PanelMate™ Crimp Terminal 50641, 28-30 AWG, Bag Gold \(Au\)](#)



- Documents:**
- |                                                          |                                                             |
|----------------------------------------------------------|-------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Product Specification PS-51146-010 (PDF)</a>    |
| <a href="#">Product Specification PS-51146-001 (PDF)</a> | <a href="#">Product Specification PS-51146-011 (PDF)</a>    |
| <a href="#">Product Specification PS-51146-006 (PDF)</a> | <a href="#">Product Specification PS-51146-012 (PDF)</a>    |
| <a href="#">Product Specification PS-51146-007 (PDF)</a> | <a href="#">Packaging Specification SPK-50641-001 (PDF)</a> |
| <a href="#">Product Specification PS-51146-008 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |
| <a href="#">Product Specification PS-51146-009 (PDF)</a> |                                                             |

| General                 |                                                           |
|-------------------------|-----------------------------------------------------------|
| Product Family          | Crimp Terminals                                           |
| Series                  | <a href="#">50641</a>                                     |
| Application             | Signal                                                    |
| Crimp Quality Equipment | Yes                                                       |
| MolexKits               | Yes                                                       |
| Overview                | <a href="#">PanelMate™ Wire-to-Board Connector System</a> |
| Packaging Alternative   | <a href="#">50641-8041</a> (Reel)                         |
| Product Name            | PanelMate™                                                |
| UPC                     | 800754370691                                              |

| Physical                       |                      |
|--------------------------------|----------------------|
| Gender                         | Female               |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 20.001/mg            |
| Packaging Type                 | Bag                  |
| Plating min - Mating           | 0.203µm              |
| Plating min - Termination      | 0.203µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 0.50-0.90mm          |
| Wire Size AWG                  | 28, 30               |
| Wire Size mm²                  | N/A                  |

Material Info

Reference - Drawing Numbers

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging Specification | SPK-50641-001                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Specification   | PS-51146-001, PS-51146-006, PS-51146-007, PS-51146-008, PS-51146-009, PS-51146-010, PS-51146-011, PS-51146-012, RPS-51146-002, RPS-51146-003, RPS-51146-004, RPS-51146-007, RPS-51146-008, RPS-51146-009, RPS-51146-013, RPS-51146-015, RPS-51146-017, RPS-51146-019, RPS-51146-022, RPS-51146-023, RPS-51146-024, RPS-51146-025, RPS-51146-026, RPS-51146-027, RPS-51146-029, RPS-51146-031, RPS-51146-034, RPS-51146-035 |
| Sales Drawing           | SD-50641-001                                                                                                                                                                                                                                                                                                                                                                                                               |

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[50641Series](#)

**Application Tooling | FAQ**  
*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

| Global                                    |                            |
|-------------------------------------------|----------------------------|
| Description                               | Product #                  |
| Hand Crimp Tool, UL                       | <a href="#">0638117900</a> |
| Approved                                  |                            |
| Extractor Tool for                        | <a href="#">0638133400</a> |
| 1.25mm Pitch Wire-to-Board Crimp Terminal |                            |
| Japan                                     |                            |
| Description                               | Product #                  |
| Hand Crimper                              | <a href="#">0573525100</a> |
| Hand Crimper                              | <a href="#">0573525000</a> |

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