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**Part Number:** [53780-2070](#)  
**Status:** **Active**  
**Overview:** PanelMate™ Wire-to-Board Connector System  
**Description:** 1.25mm Pitch PanelMate™ Header, Surface Mount, Right Angle, 1.90mm Height, Lead-Free, 20 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification PS-51146-012 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification SPK-53780-001 (PDF)</a> |
| <a href="#">Product Specification PS-51146-010 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">53780</a>                                     |
| Application    | Signal, Wire-to-Board                                     |
| Overview       | <a href="#">PanelMate™ Wire-to-Board Connector System</a> |
| Product Name   | PanelMate™  |
| UPC            | 822348185238  |

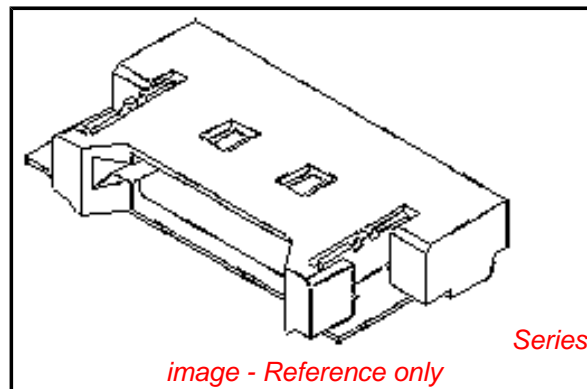
**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 20                    |
| Circuits (maximum)             | 20                    |
| Color - Resin                  | Natural               |
| Durability (mating cycles max) | 50                    |
| First Mate / Last Break        | No                    |
| Flammability                   | 94V-0                 |
| Glow-Wire Compliant            | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | None                  |
| Material - Metal               | Phosphor Bronze       |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Tin                   |
| Net Weight                     | 287.080/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Right Angle           |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 1.25mm                |
| Polarized to PCB               | No                    |
| Shrouded                       | Fully                 |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40°C to +85°C        |
| Termination Interface: Style   | Surface Mount         |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1A   |
| Voltage - Maximum             | 125V |

**Material Info**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



**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**

[53780Series](#)

**Mates With**

[51146 PanelMate™ Wire-to-Board Receptacle Housing](#)

## Reference - Drawing Numbers

Packaging Specification  
Product Specification

SPK-53780-001  
PS-51146-010, PS-51146-012, RPS-51146-020,  
RPS-51146-022, RPS-51146-023, RPS-51146-025,  
RPS-51146-026, RPS-51146-027, RPS-51146-028,  
RPS-51146-029, RPS-51146-035  
SD-53780-003, SD-53780-004

Sales Drawing

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