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**Part Number:** [44281-0007](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit® Products](#)  
**Description:** 4.20mm Pitch Mini-Fit® Test Plug, Dual Row, 16 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-44281-001 \(PDF\)](#)

**General**

|                             |                                       |
|-----------------------------|---------------------------------------|
| Product Family              | PCB Headers                           |
| Series                      | <a href="#">44281</a>                 |
| Application                 | Board-to-Board, Signal, Wire-to-Board |
| Overview                    | <a href="#">Mini-Fit® Products</a>    |
| Product Literature Order No | 987650-6187                           |
| Product Name                | Mini-Fit®                             |
| UPC                         | 800754836401                          |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 16              |
| Circuits (maximum)             | 16              |
| Durability (mating cycles max) | 10,000          |
| First Mate / Last Break        | No              |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Plating Mating      | Gold            |
| Net Weight                     | 19.744/g        |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 6.35mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface       | 4.20mm          |
| Pitch - Termination Interface  | 4.20mm          |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | No              |
| Shrouded                       | Fully           |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.5A |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |



*image - Reference only*

**EU RoHS**

**RoHS Compliant by Exemption**

**REACH SVHC**

Not Reviewed

**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**

[44281Series](#)

**Mates With**

[42474](#) , [44516](#) , [5557](#) Dual Row

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-44281-001

Sales Drawing

SD-44281-001

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