

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0545961210](#)  
**Status:** **Active**  
**Overview:** Mini Mi II™ Wire Harness  
**Description:** Mini Mi II™ Wire-to-Board Receptacle Housing Assembly, 1.25mm Pitch, Single Row, 12 Circuits

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification PS-54596-021 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Product Specification PS-54596-022 (PDF)</a> |
| <a href="#">Product Specification PS-54596-005 (PDF)</a> | <a href="#">Product Specification PS-54596-023 (PDF)</a> |
| <a href="#">Product Specification PS-54596-006 (PDF)</a> | <a href="#">Product Specification PS-55448-001 (PDF)</a> |
| <a href="#">Product Specification PS-54596-007 (PDF)</a> | <a href="#">Product Specification PS-55482-006 (PDF)</a> |
| <a href="#">Product Specification PS-54596-018 (PDF)</a> | <a href="#">Product Specification PS-55659-005 (PDF)</a> |
| <a href="#">Product Specification PS-54596-019 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |
| <a href="#">Product Specification PS-54596-020 (PDF)</a> |  |

**General**

|                         |  |
|-------------------------|--|
| Product Family          | IDT and Solder Connectors                |
| Series                  | <a href="#">54596</a>                    |
| Crimp Quality Equipment | Yes                                      |
| MolexKits               | Yes                                      |
| Overview                | <a href="#">Mini Mi II™ Wire Harness</a> |
| Product Name            | Mini Mi II™                              |
| UPC                     | 800753280885                             |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 12              |
| Circuits (maximum)             | 12              |
| Color - Resin                  | Natural         |
| Gender                         | Female          |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 352.600/mg      |
| Number of Rows                 | 1               |
| Packaging Type                 | Bag             |
| Panel Mount                    | No              |
| Pitch - Mating Interface       | 1.25mm          |
| Plating min - Mating           | 0.914µm         |
| Plating min - Termination      | 0.914µm         |
| Stackable                      | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | IDT or Pierce   |
| Wire Insulation Diameter       | 0.80-0.90mm     |
| Wire Size AWG                  | 26, 28          |

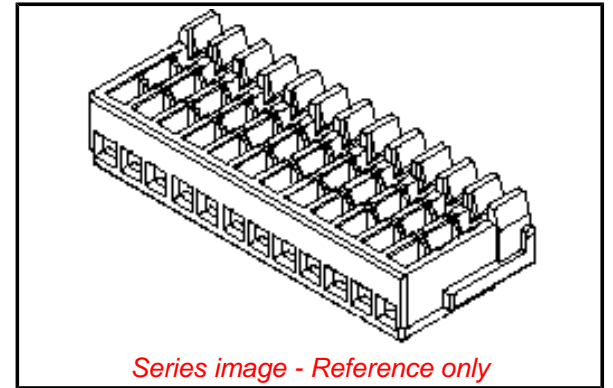
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
| Voltage - Maximum             | 100V |

**Material Info**

**Reference - Drawing Numbers**

|                       |   |
|-----------------------|---|
| Product Specification | PS-54596-005, PS-54596-006, PS-54596-007, PS-54596-018, PS-54596-019, PS-54596-020, |
|-----------------------|---|



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[54596 Series](#)

**Mates With**

[55451](#) , [55447](#) , [55454](#) , [55659](#) , [55456](#) , [55482](#) , [55450](#)

**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 #**

IDT System Hand [0621009800](#)

Crimper

**Japan**

**Description**

**Product #**

Sales Drawing

PS-54596-021, PS-54596-022, PS-54596-023,  
PS-55448-001, PS-55482-006, PS-55659-005,  
RPS-54596-012, RPS-54596-013, RPS-54596-014,  
RPS-54596-016, RPS-54596-017, RPS-54596-022,  
RPS-54596-023, RPS-54596-024, RPS-54596-025,  
RPS-54596-026, RPS-54596-027, RPS-55448-004  
SD-54596-004

Fully-Automated IDT 0578008400  
Machine (XELOM-  
PLUS)  
Hand Crimper 0578345000  
Fully-Automated IDT 0578008300  
Machine (XELOM-  
PLUS)  
IDT Bench-Top 0578277100  
Terminator

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