

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0503948200](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** 2.00mm Pitch, Milli-Grid Female Crimp Terminal, 0.76µm Select Gold Plating, Bag, Lead free

**Documents:**

|                                                              |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification 503940001-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Product Guide (PDF)</a>                         |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |
| <a href="#">Product Specification PS-51110-001-001 (PDF)</a> |                                                             |

**General**

|                         |                                             |
|-------------------------|---------------------------------------------|
| Product Family          | Crimp Terminals                             |
| Series                  | <a href="#">50394</a>                       |
| Application             | Signal, Wire-to-Board, Wire-to-Wire         |
| Crimp Quality Equipment | Yes                                         |
| Overview                | <a href="#">Milli-Grid Connector System</a> |
| Packaging Alternative   | <a href="#">503948052</a> (Reel)            |
| Product Name            | Milli-Grid                                  |
| UPC                     | 800753643529                                |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 50                   |
| Gender                         | Female               |
| Material - Metal               | Copper Alloy         |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Nickel               |
| Net Weight                     | 0.023/g              |
| Packaging Type                 | Bag                  |
| Plating min - Mating           | 0.762µm              |
| Plating min - Termination      | 2.000µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.40mm max.          |
| Wire Size AWG                  | 24, 26, 28, 30       |
| Wire Size mm²                  | N/A                  |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2.0A             |
| Voltage - Maximum             | 125V AC (RMS)/DC |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |                                 |
|-------------------------|---------------------------------|
| Packaging Specification | 503940001-000                   |
| Product Specification   | PS-51110-001-001                |
| Sales Drawing           | CS-50394-001, SD-50394-8XXX-000 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[50394](#) Series

**Use With**

Milli-Grid Receptacle Housing [51110](#) ,  
[151100](#) , [151192](#)

**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 #**

|                                     |                           |
|-------------------------------------|---------------------------|
| Manual Extraction Tool              | <a href="#">638131400</a> |
| Hand Crimp Tool for Crimp Terminals | <a href="#">638190100</a> |