

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

**Part Number:** **0503948400**  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch, Milli-Grid Female Crimp Terminal, Gold Flash 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	50394
Application	Signal, Wire-to-Board, Wire-to-Wire
Crimp Quality Equipment	Yes
Overview	<u>Milli-Grid Connector System</u>
Packaging Alternative	503948054 (Reel)
Product Name	Milli-Grid
UPC	822350912617

**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	0.051µm
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 mm <sup>2</sup>	N/A

**Electrical**

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

**Solder Process Data**

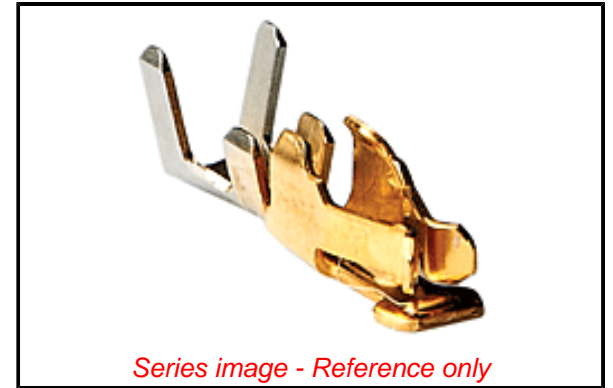
Lead-free Process Capability	N/A
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**Material Info**

Engineering Number	NT501-6677
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**Reference - Drawing Numbers**

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



**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 [638131400](#)

Tool

Hand Crimp Tool for [638190100](#)

Crimp Terminals