



Part Number : 503948051

Series Number : 50394

Product Category : Crimp Terminals

Product Description : 2.00mm Pitch, Milli-Grid Female Crimp Terminal, 0.38µm Select Gold, Reel, Lead free

Status : Active

Packaging Alternative : 503948100 (Bag)

Documents & Resources

Drawings

Drawing 503948051\_sd.pdf  
Packaging Design Drawing 503940001-000.pdf

3D Models and Design Files


3D Model 503948051\_stp.zip

Specifications

Product Specification PS-51110-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

## Part Details

### General

Status	Active
Category	Crimp Terminals
Series	50394
Description	2.00mm Pitch, Milli-Grid Female Crimp Terminal, 0.38µm Select Gold, Reel, Lead free
Application	Signal, Wire-to-Board, Wire-to-Wire
Product Family	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	800753576193

### Electrical

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

### Physical

Durability (mating cycles max)	50
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Net Weight	43.000/mg
Packaging Type	Reel
Plating min - Mating	0.381µm
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

## Solder Process Data

Lead-Free Process Capability	N/A
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## Use with Part(s)

Description	Part Number
Milli-Grid Single Row Receptacle Housings	<u>151100</u>
Milli-Grid Dual Row Receptacle Housings	<u>151192</u>
Milli-Grid Dual Row Receptacle Housings	<u>51110</u>

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## Application Tooling

### Global

Description	Part Number
Hand Crimp Tool for Milli-Grid and MicroBlade Crimp Terminals, 30-24 AWG	<u>2133091200</u>
Extraction Tool for SPOX, MX64, Ditto, MX150CE, Milli-Grid Terminals	<u>638131400</u>
FineAdjust Applicator for 2.00mm Pitch Wire-to-Board Crimp Terminals, 30-24 AWG Wire, Insulation OD 1.10-1.30mm	<u>639005200</u>
FineAdjust Applicator for 2.00mm Pitch Wire-to-Board Crimp Terminal, 30-24 AWG, Insulation OD 0.90-1.10mm	<u>639046800</u>
T2 Terminator Die	<u>639105200</u>

## Application Tooling

### Japan

Description	Part Number
S-1 Applicator for Milli-Grid Receptacle Terminal, 30-24 AWG	<u>573153700</u>