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Part Number: [0503948051](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: 2.00mm Pitch, Milli-Grid Female Crimp Terminal, 0.38µm Select Gold, Reel, Lead free

Documents:

3D Model	Packaging Specification 503940001-000 (PDF)
3D Model (PDF)	Product Guide (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-51110-001-001 (PDF)	

General

Product Family	Crimp Terminals
Series	50394
Application	Signal, Wire-to-Board, Wire-to-Wire
Crimp Quality Equipment	Yes
Overview	Milli-Grid Connector System
Packaging Alternative	503948100 (Loose)
Product Name	Milli-Grid
UPC	800753576193

Physical

Durability (mating cycles max)	50
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Net Weight	24.300/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 ²	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

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

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

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 #

Hand Crimp Tool for Milli-Grid and MicroBlade Crimp Terminals, 24-30 AWG	2133091200
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Extraction Tool for SPOX, MX64, Ditto, MX150CE, Milli-Grid Terminals	638131400
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FineAdjust Applicator [639005200](#)
for 2.00mm Pitch
Wire-to-Board
Crimp Terminals,
24-30 AWG Wire,
Insulation OD
1.10-1.30mm

FineAdjust Applicator [639046800](#)
for 2.00mm Pitch
Wire-to-Board Crimp
Terminal, 24-30
AWG, Insulation OD
0.90-1.10mm
T2 Terminator Die [639105200](#)

Japan

Description **Product #**

Applicator for M211A [573153000](#)
Bench Press, 24-30
AWG Wire

S-1 Applicator for [573153700](#)
Milli-Grid Receptacle
Terminal, 24-30
AWG

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[50394-8051](#) [50394-8051 \(Cut Strip\)](#) [50394-8051 \(Mouser Reel\)](#)