

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

**Part Number:** [1045398002](#)  
**Status:** **Active**  
**Overview:** [IllumiMate Connector System](#)  
**Description:** IllumiMate 1.00mm Wire-to-Board Receptacle Terminal, Pre-plated, Tin (Sn)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-104127-004-001 (PDF)</a>
<a href="#">Product Specification PS-104127-001-001 (PDF)</a>	<a href="#">Packaging Specification PK-104539-001-001 (PDF)</a>
<a href="#">Product Specification PS-104127-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	Crimp Terminals
Series	<a href="#">104539</a>
Application	Signal, Wire-to-Board
Crimp Quality Equipment	Yes
Overview	<a href="#">IllumiMate Connector System</a>
Product Name	IllumiMate
UPC	884982701625

**Physical**

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.019/g
Packaging Type	Reel
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	0.80mm max.
Wire Size AWG	30, 32
Wire Size mm <sup>2</sup>	0.03-0.05

**Electrical**

Current - Maximum per Contact	1.5A
Voltage - Maximum	60V

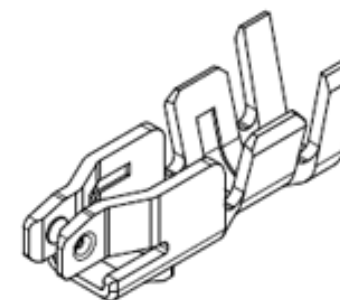
**Solder Process Data**

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

**Reference - Drawing Numbers**

Crimp Specification	CS-104539-001-001
Packaging Specification	PK-104539-001-001
Product Specification	PS-104127-001-001, PS-104127-002-001, PS-104127-004-001
Sales Drawing	SD-104539-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[104539 Series](#)

**Use With**

IllumiMate 1.00mm Wire-to-Board Crimp Housing [1041280400](#) , [1041280500](#) , [1041421000](#) , <br> [1041280610](#)

**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 IllumiMate 1.25mm Wire-to-Board Crimp Terminals	<a href="#">638271000</a>
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