

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

**Part Number:** **1045058003**  
**Status:** **Active**  
**Overview:** IllumiMate™ Connector System  
**Description:** IllumiMate™ 1.25mm Wire-to-Board Connector, Receptacle Terminal, Tin (Sn) Over Copper, 28 AWG

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-104505-001-001 \(PDF\)](#)  
[Product Specification PS-104078-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-104086-003-001 \(PDF\)](#)

**General**

|                         |  |
|-------------------------|--|
| Product Family          | Crimp Terminals                              |
| Series                  | 104505                                       |
| Application             | Signal                                       |
| Crimp Quality Equipment | Yes  |
| Overview                | <a href="#">IllumiMate™ Connector System</a> |
| Product Name            | IllumiMate™                                  |
| UPC                     | 884982468511                                 |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Copper               |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.031/g              |
| Packaging Type                 | Reel                 |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 0.97mm max.          |
| Wire Size AWG                  | 28                   |
| Wire Size mm <sup>2</sup>      | N/A                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
|-------------------------------|------|

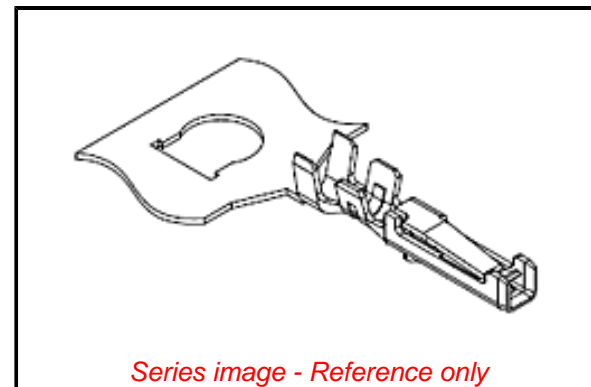
**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                                      |
|-------------------------|--------------------------------------|
| Packaging Specification | PK-104505-001-001                    |
| Product Specification   | PS-104078-001-001, PS-104086-003-001 |
| Sales Drawing           | SD-104505-001                        |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[104505 Series](#)

**Use With**

[104085-4000](#) , [104077-0600](#) , [104085-0410](#)  
[104077-0610](#) , [104085-0300](#)

**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 Pitch Crimp Terminal, 28 AWG | <a href="#">0638275000</a> |

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