

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

**Part Number:** [502381-0000](#)  
**Status:** **Active**  
**Overview:** [IllumiMate™ Connector System](#)  
**Description:** CLIK-Mate™ and IllumiMate™ 1.25mm Pitch Wire-to-Board Crimp Terminal, Reel

**Documents:**

[3D Model](#) [Packaging Specification SPK-502381-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-502382-001 \(PDF\)](#)

**General**

Product Family	Crimp Terminals
Series	<a href="#">502381</a>
Application	Signal
Crimp Quality Equipment	Yes
MolexKits	Yes
Overview	<a href="#">IllumiMate™ Connector System</a>
Product Name	CLIK-Mate™, IllumiMate™
UPC	822350895187

**Physical**

Durability (mating cycles max)	30
Gender	Plug
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	14.300/mg
Packaging Type	Reel
Wire Insulation Diameter	0.80-1.0mm
Wire Size AWG	26, 28
Wire Size mm²	N/A

**Electrical**

Current - Maximum per Contact	1A
Voltage - Maximum	50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Crimp Specification	CS-502381-001
Packaging Specification	SPK-502381-001
Product Specification	PS-502382-001, RPS-502382-003, RPS-502382-005, RPS-502382-006, RPS-502382-008, RPS-502382-010, RPS-502382-011, RPS-502382-012, RPS-502382-013, RPS-502382-016, RPS-502382-017, RPS-502382-018, RPS-502382-019, RPS-502386-002
Sales Drawing	SD-502381-001

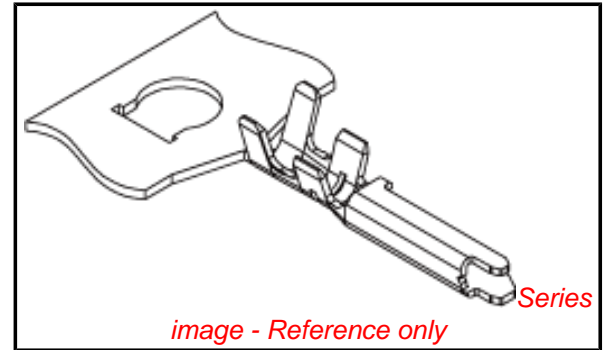


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[502381Series](#)

**Mates With**

[502382](#) PCB Receptacle, [502386](#) PCB Receptacle

**Use With**

[502380](#) Crimp Housing, [104105](#) Illuminate Housing, [104099](#) HDRHousing

**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 Tool for 1.25mm Wire-to-Board Crimp Terminal, 26-28 AWG Wire	<a href="#">0638194400</a>
FineAdjust™ Applicator for	<a href="#">0639006600</a>

1.25mm Pitch Wire-  
to-Board Connector  
Dual Plug Terminals,  
26-28 AWG  
T2 Terminator 0639106600  
Tooling Die for  
1.25mm Pitch Wire-  
to-Board Connector  
Dual Plug Terminals,  
26-28 AWG  
Extraction Tool 0638132700

**Japan**

<b>Description</b>	<b>Product #</b>
Applicator for M21 1A Bench Press, 26-28 AWG Wire	<u>5780343000</u>

This document was generated on 01/27/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**