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**Part Number:** [1041411010](#)  
**Status:** **Active**  
**Overview:** [IllumiMate Connector System](#)  
**Description:** IllumiMate 1.00mm Pitch Wire-to-Board Header, Surface Mount, Single Row, Vertical, Side Positive Locks and Secondary Middle Friction Locks, 10 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-104141-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-104141-001-001 \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">104141</a>
Application	Wire-to-Board
Overview	<a href="#">IllumiMate Connector System</a>
Product Name	IllumiMate
UPC	884982901841

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.302/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.00mm
Temperature Range - Operating	-25° to +130°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.0A
Voltage - Maximum	50V

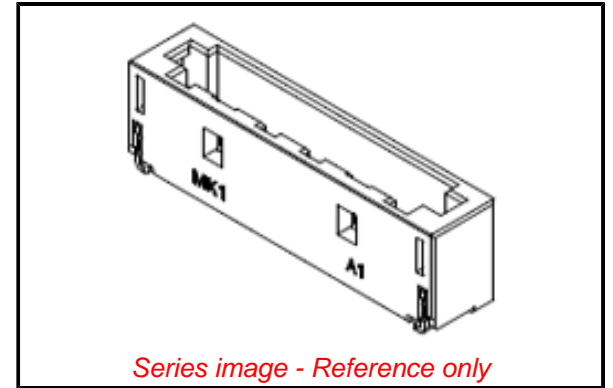
**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-104141-001-001
Product Specification	PS-104141-001-001
Sales Drawing	SD-104141-001, SD-104141-002



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not 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**

[104141 Series](#)

**Mates With**

IllumiMate 1.00mm Pitch Wire-to-Board Crimp Housing [104142-1000](#)

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