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Part Number: [1040912020](#)
Status: **Active**
Overview: [IllumiMate™ Connector System](#)
Description: IllumiMate™ 1.25mm Pitch Wire-to-Board Header, Surface Mount, Single Row, Right Angle, 20 Circuits

Documents:

[3D Model](#) [Packaging Specification PK-104091-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-104091-001 \(PDF\)](#)

General

Product Family	PCB Headers
Series	104091
Application	Signal, Wire-to-Board
Overview	IllumiMate™ Connector System
Product Name	IllumiMate™
UPC	884982407053

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Keying to Mating Part	N/A
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Copper
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.648/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.25mm
Polarized to Mating Part	Yes
Temperature Range - Operating	-25°C to +130°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	200V

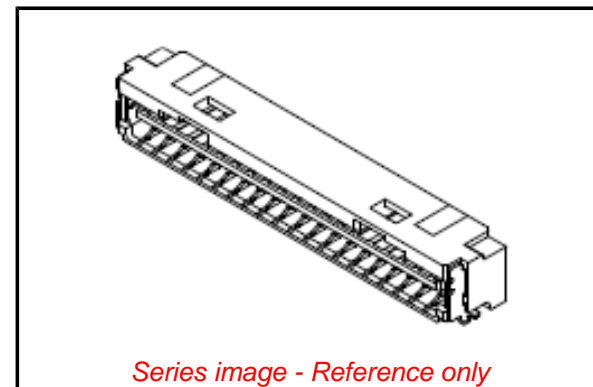
Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-104091-001
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EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

[104091](#) Series

Mates With

[104092-2000](#) , [Link:104092-2010](#)

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