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Part Number:

1050291001

Status:

Active

Overview:

[battery_connectors](#)

Description:

2.00mm (.079") Pitch Battery Connector, Right Angle, 4 Circuits, SMT, Contact Width 0.65mm (.026"), Lead-free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-105029-101 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

PCB Headers

Series

105029

Application

Board-to-Board

Comments

Recommended Nominal Horizontal Deflection 1.05mm (.041")

Overview

[battery_connectors](#)

Product Name

Battery Connector

Physical

Breakaway

No

Circuits (Loaded)

4

Circuits (maximum)

4

Color - Resin

Black

Durability (mating cycles max)

10,000

First Mate / Last Break

No

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

None

Material - Metal

Beryllium Copper

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

1

Orientation

Right Angle

PCB Locator

No

PCB Retention

None

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.079 In

Pitch - Mating Interface (mm)

2.00 mm

Pitch - Term. Interface (in)

0.079 In

Pitch - Term. Interface (mm)

2.00 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

145

Plating min: Termination (µm)

3.75

Polarized to Mating Part

No

Polarized to PCB

No

Robotic Placement

Vacuum Pick-Up Tape

Shrouded

No

Stackable

No

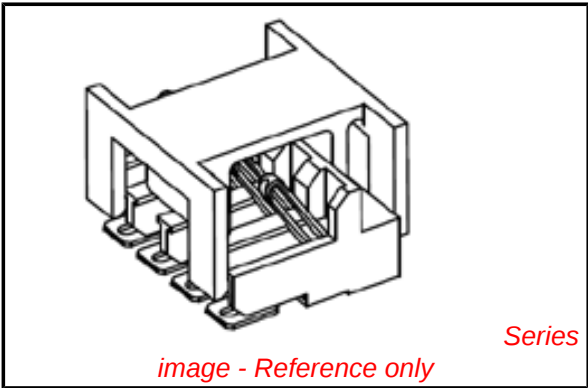
Temperature Range - Operating

-40°C to +85°C

Termination Interface: Style

Surface Mount

Electrical



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free



Need more information on product environmental compliance?

Email 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

105029Series

Current - Maximum per Contact	1A
Voltage - Maximum	200V (RMS)

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

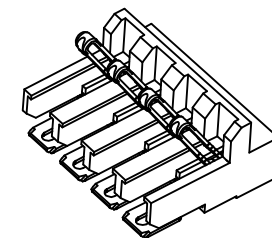
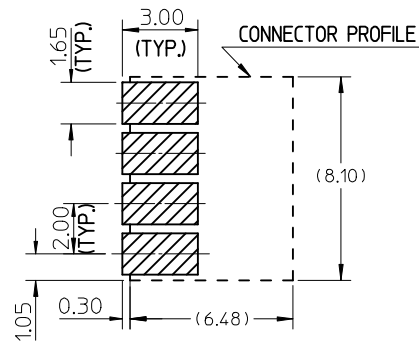
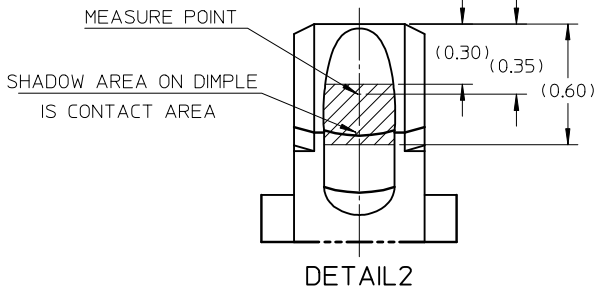
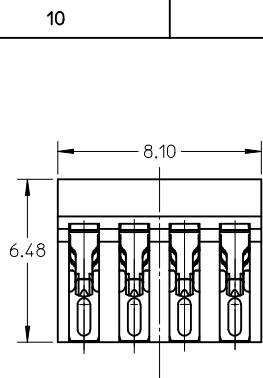
Material Info

Reference - Drawing Numbers

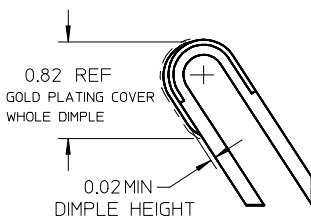
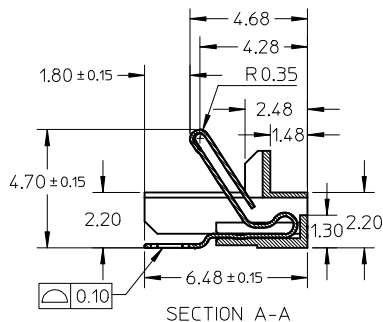
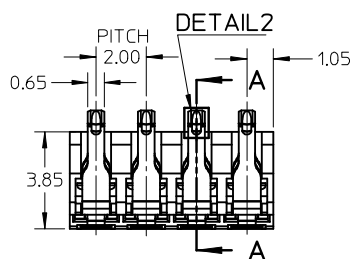
Packaging Specification	PK-47506-001
Product Specification	PS-105029-101
Sales Drawing	SD-105029-101

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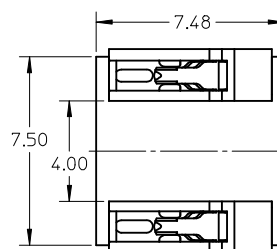
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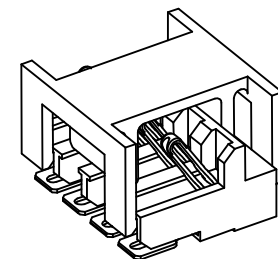
WITHOUT PICK-AND-PLACE CAP



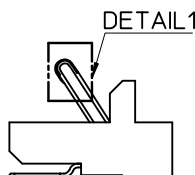
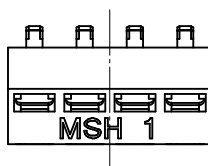
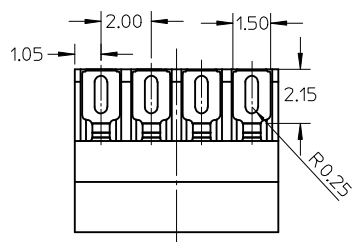
DETAIL1



WITH PICK-AND-PLACE CAP



WITH PICK-AND-PLACE CAP



NOTE:

1.MATERIAL:

HOUSING: LCP, 30% GLASS-FILLED, UL 94V-0, COLOR :BLACK

CAP: PA46 30% GLASS-FILLED, UL 94V-0, COLOR :BLACK

TERMINAL: 0.15MM BeCu C17200 TM06

2.FINISH:

CONTACT AREA: 0.75 MICRON GOLD MIN OVER 1.25 MICRON NICKEL MIN.

SOLDER AREA: 3.75 MICRON PURE TIN MIN OVER 1.25 MICRON NICKEL MIN.

REST AREA: 1.25 MICRON NICKEL MIN.

3.RECOMMENDED NOMINAL DEFLECTION 1.05mm(HORIZONTAL)

4.PRODUCT SPECIFICATION: PS-105029-001

5.PRODUCT COMPLIANT TO ROHS DIRECTIVE 2002/95/EC

AND ELV DIRECTIVE 2000/53/EC

NEW RELEASE EC NO: SH2009-0166 DRWN: YPWU CHKD: YLZHU02 APPR: HWANG	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	DRAWN BY YPWU	DATE 2008/01/15	TITLE 2MM PITCH 4 PINS RIGHT ANGLE BATTERY CONN SALES DRAWING MOLEX INCORPORATED		
				4 PLACES	±---	±---	CHECKED BY RZHANG			DATE 2008/01/15
				3 PLACES	±---	±---				
				2 PLACES	±0.15	±---				
				1 PLACE	±---	±---	APPROVED BY HWANG			DATE 2008/01/16
ANGULAR ±---°		MATERIAL NO. 1050291001		DOCUMENT NO. SD-105029-101		SHEET NO. 1 OF 1				
A			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							