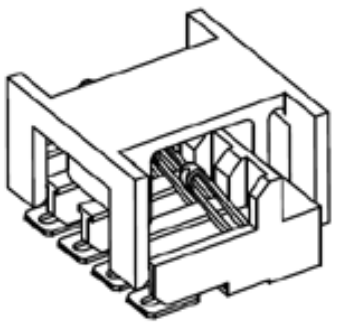
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



Series image - Reference only

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

China RoHS

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)

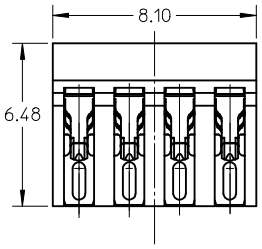
Solder Process Data

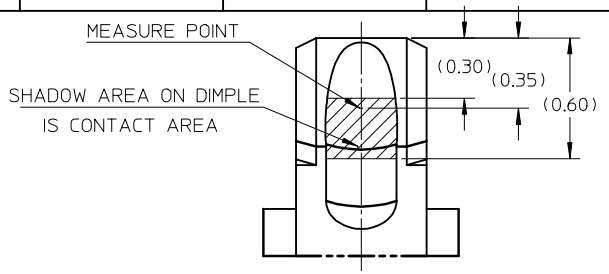
Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

Material Info

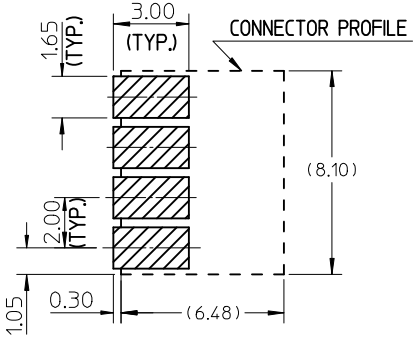
Reference - Drawing Numbers

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

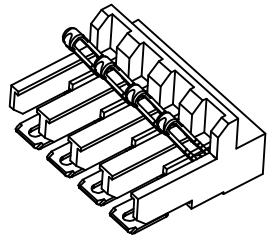




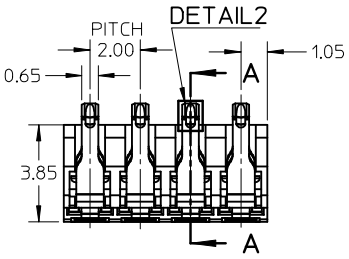
DETAIL2

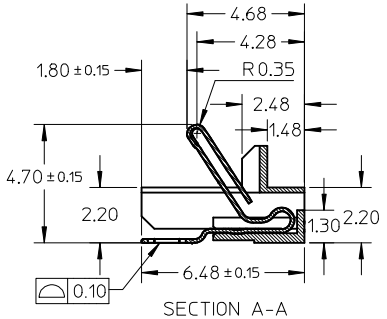


RECOMMENDED FOOT PRINT

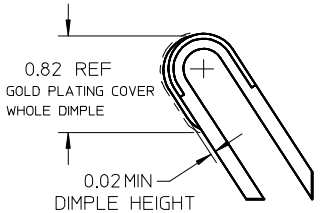


WITHOUT PICK-AND-PLACE CAP

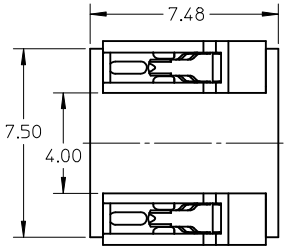




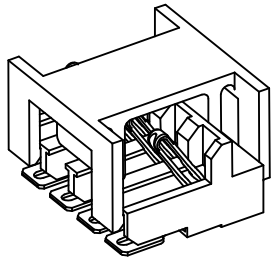
SECTION A-A



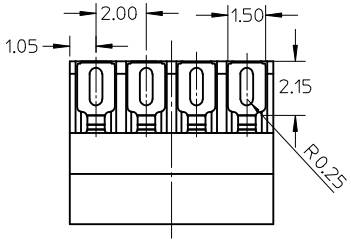
DETAIL1

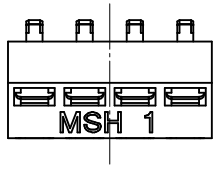


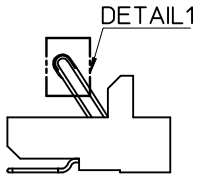
WITH PICK-AND-PLACE CAP



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

REV	DESCRIPTION	
A	NEW RELEASE	2008/10/16
	EC NO: SH2009-0166	2008/10/20
	DRWN:YPWU	2008/11/05
	CHKD:YLZHU02	
	APPR:HWWANG	

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY	
SCALE	5:1	
DESIGN UNITS	METRIC	
	THIRD ANGLE PROJECTION	
DRAWN BY	YPWU	DATE 2008/01/15
CHECKED BY	RZHANG	DATE 2008/01/15
APPROVED BY	HWWANG	DATE 2008/01/16
MATERIAL NO.	1050291001	
TITLE	2MM PITCH 4 PINS RIGHT ANGLE BATTERY CONN SALES DRAWING	
	MOLEX INCORPORATED	
DOCUMENT NO.	SD-105029-101	
SHEET NO.	1 OF 1	
SIZE	A3	