

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473590001

Status:

Active

Overview:

[battery_connectors](#)

Description:

2.00mm (.079") Pitch Battery Connector, SMT, Contact Width 7.00mm (.276"), Working Height 2.10mm (.083"), 4 Circuits, Lead-free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

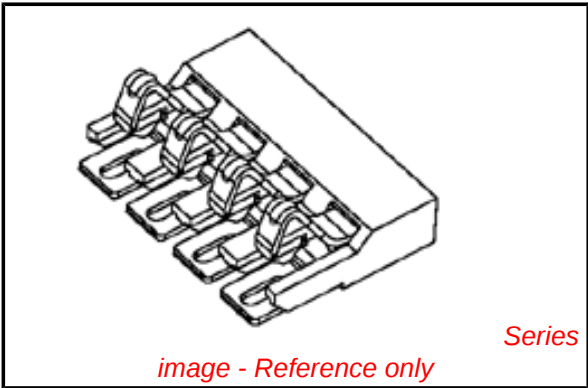
[Product Specification PS-47359-001 \(PDF\)](#)

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

General	
Product Family	PCB Headers
Series	47359
Application	Board-to-Board
Overview	battery_connectors
Product Name	Battery Connector, Compression Connector, One Piece
Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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 - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
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)	150
Plating min: Termination (µm)	3.80
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

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

Solder Process Data



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

47359Series

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

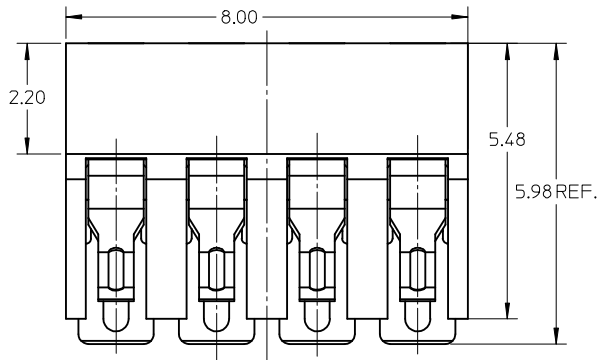
Packaging Specification	PK-47359-001
Product Specification	PS-47359-001
Sales Drawing	SD-47359-001

This document was generated on 05/26/2010

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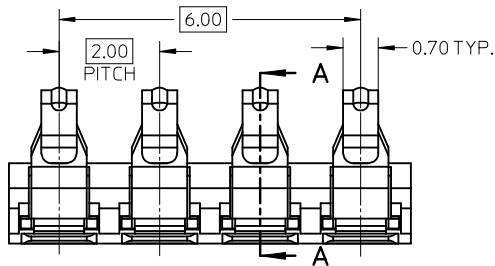
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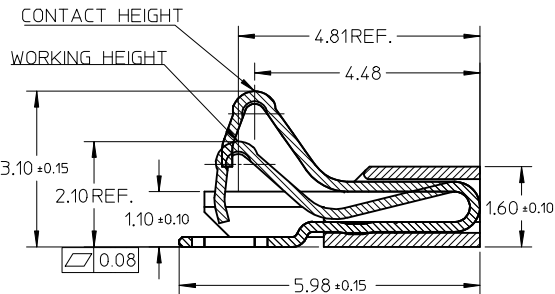
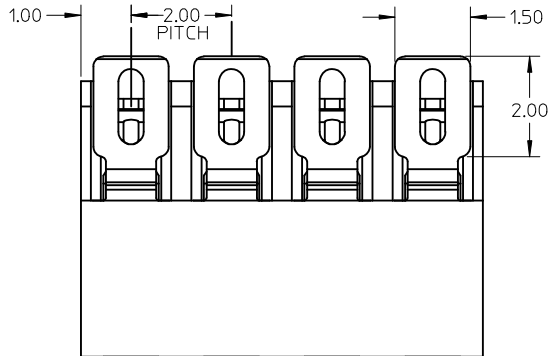
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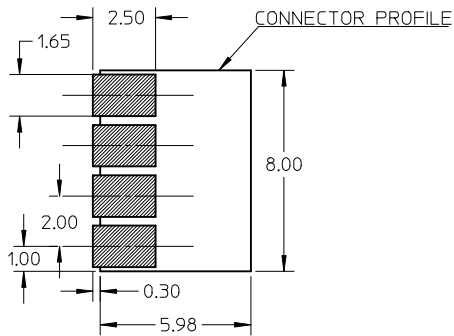
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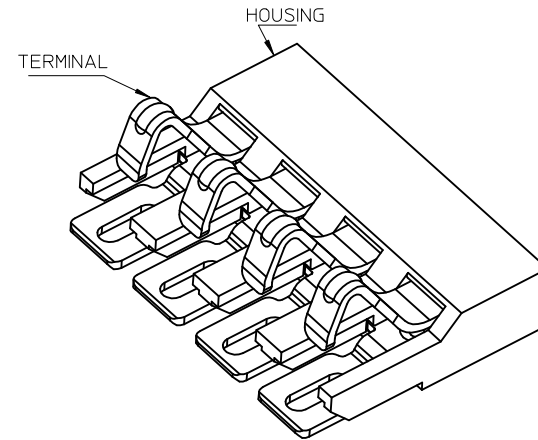
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SECTION A-A



RECOMMENDED PCB LAYOUT



NOTE:

1.MATERIAL:

HOUSING: HIGH TEMPERATURE THERMOPLASTIC,COLOR:BLACK
TERMINAL: COPPER ALLOY

2.FINISH:

CONTACT AREA: 0.75 MICRON GOLD MIN OVER 1.25 MICRON NICKEL MIN.
SOLDER AREA: 3.8 MICRON PURE TIN MIN OVER 1.25 MICRON NICKEL MIN.
REST AREA: 1.25 MICRON NICKEL MIN.

3.PRODUCT SPECIFICATION: PS-47359-001

4.WORKING HEIGH: 2.10MM COUNTED FROM TOP OF PCB.

REVISED EC NO: DRW:XJ/SONG CHKD: APPR: B	2009/09/02 2009/09/25 DESCRIPTION REV	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY LHSHEN	DATE 2005/11/18	TITLE 2.0MM PITCH 4 CIRCUITS 0.7MM CONTACT WIDTH BATTERY CONNECTOR			
					CHECKED BY XU XIANG	DATE 2006/06/13				
					APPROVED BY JENNY CHEN	DATE 2006/06/13	MOLEX INCORPORATED			
			ANGULAR ± 1 °		MATERIAL NO. 473590001					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2 1