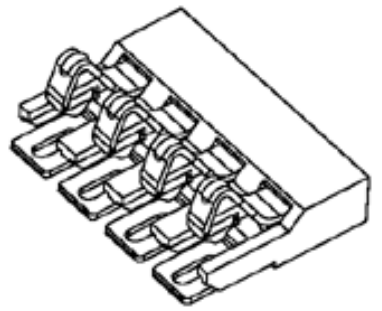
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Part Number: 0473590001
Status: Active
Overview: battery_connectors
Description: 2.00mm (.079") Pitch Battery Connector, SMT, Contact Width 7.00mm (.276"), Working Height 2.10mm (.083"), 4 Circuits, Lead-free



Series image - Reference only

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

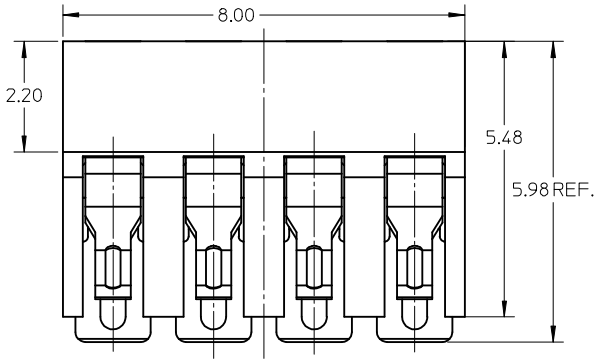
Material Info

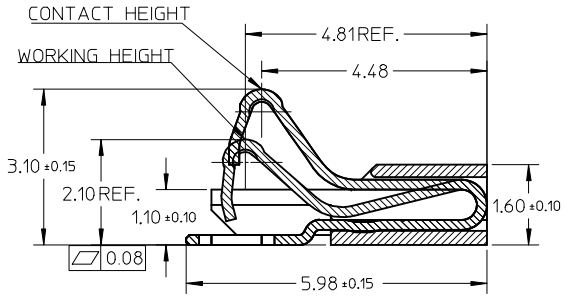
Reference - Drawing Numbers

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

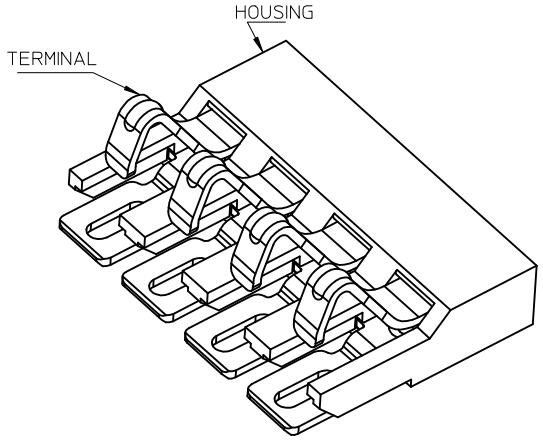
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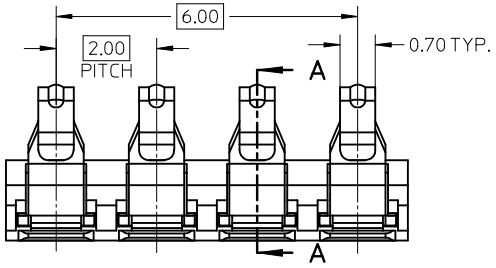
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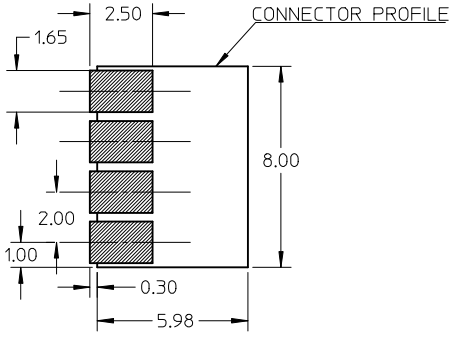




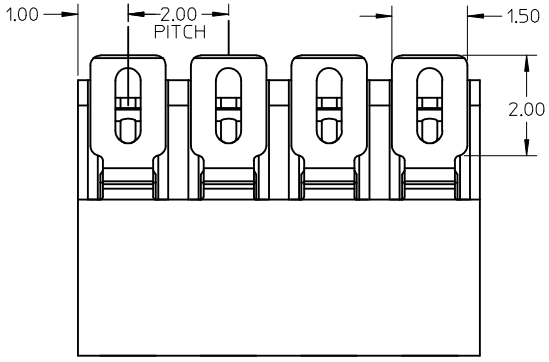
SECTION A-A







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:					
DRWN:	XJSONG	2009/09/02			
CH'KD:					
APPR:		2009/09/25			
REV	DESCRIPTION				
B					

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.20	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	LHSHEN
DATE	2005/11/18
CHECKED BY	XU XIANG
DATE	2006/06/13
APPROVED BY	JENNY CHEN
DATE	2006/06/13
MATERIAL NO.	473590001
SIZE	A3

TITLE: 2.0MM PITCH 4 CIRCUITS 0.7MM CONTACT WIDTH BATTERY CONNECTOR

MOLEX INCORPORATED

DOCUMENT NO. SD-47359-001

SHEET NO. 1 OF 1

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