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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

Documents:

[3D Model](#) [Product Specification PS-47359-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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 |

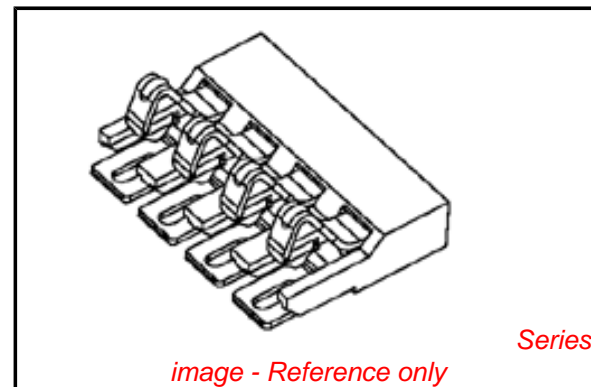
Physical

| | |
|--------------------------------|--------------------------------|
| 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

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

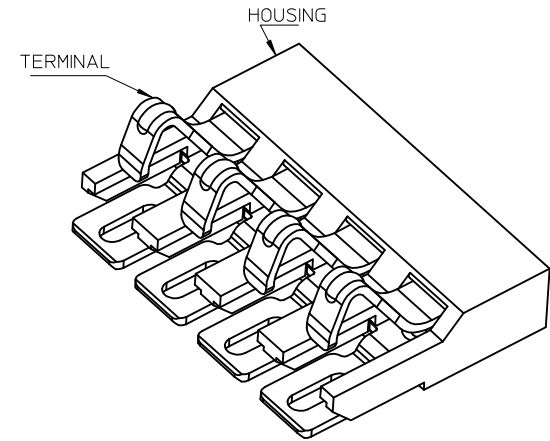
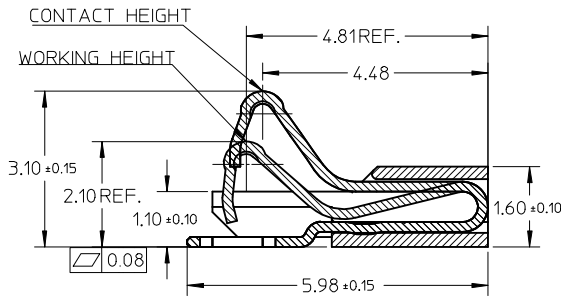
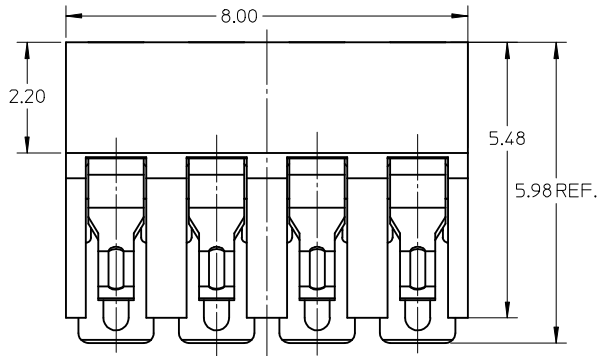
Reference - Drawing Numbers

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

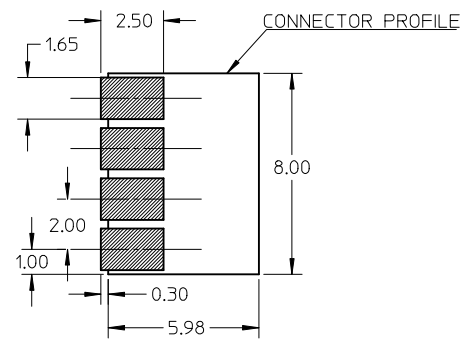
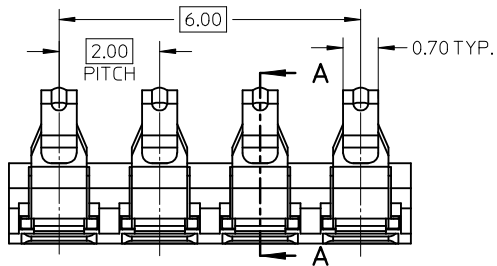
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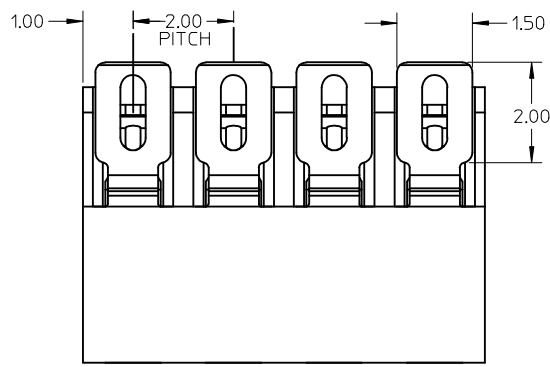
10 9 8 7 6 5 4 3 2 1



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: | 2009/09/02 | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | SCALE 5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | 2009/09/25 | | DESCRIPTION | mm | INCH | DRAWN BY LHSHEN | DATE 2005/11/18 | TITLE 2.0MM PITCH 4 CIRCUITS 0.7MM CONTACT WIDTH BATTERY CONNECTOR | |
| | | | | 4 PLACES | ± --- | ± --- | CHECKED BY XU XIANG | DATE 2006/06/13 | MOLEX INCORPORATED |
| | | | | 3 PLACES | ± --- | ± --- | APPROVED BY JENNY CHEN | DATE 2006/06/13 | |
| | | | 2 PLACES | ± 0.13 | ± --- | MATERIAL NO. 473590001 | DOCUMENT NO. SD-47359-001 | SHEET NO. 1 OF 1 | |
| | | | 1 PLACE | ± 0.20 | ± --- | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| | | | ANGULAR ± 1 ° | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | |

9 8 7 6 5 4 3 2 1