

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0474170001**  
**Status:** **Active**  
**Overview:** battery connectors  
**Description:** 2.00mm (.079") Pitch Battery Connector, SMT, Contact Width 0.70mm (.028"), Working Height 2.95mm (.116"), 4 Circuits, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-47182-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<u>47417</u>
Application	Board-to-Board
Overview	<u>battery connectors</u>
Product Name	Battery Connector

**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
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
Polarized to Mating Part	Yes
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

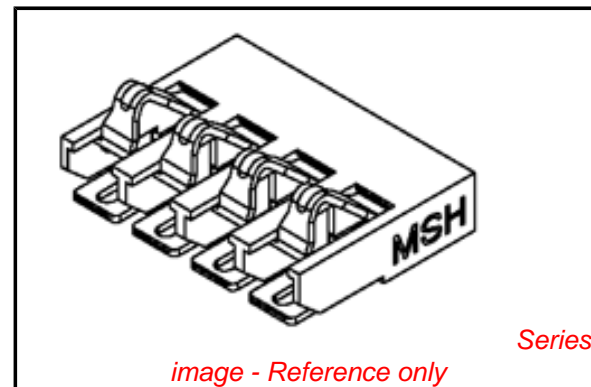
**Electrical**

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

**Solder Process Data**

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**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free Status**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
 47417Series

**Reference - Drawing Numbers**

Packaging Specification

Product Specification

Sales Drawing

PK-47182-001

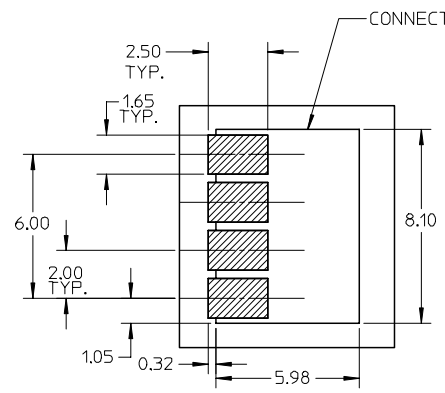
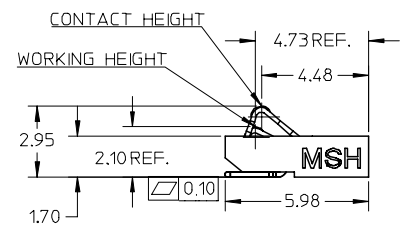
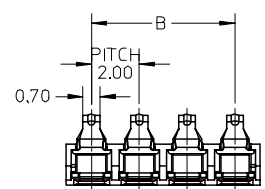
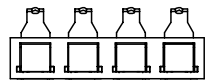
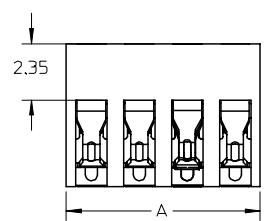
PS-47182-001

SD-47417-001

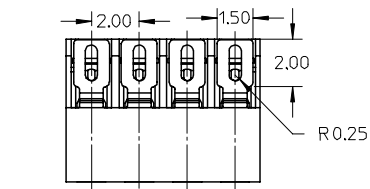
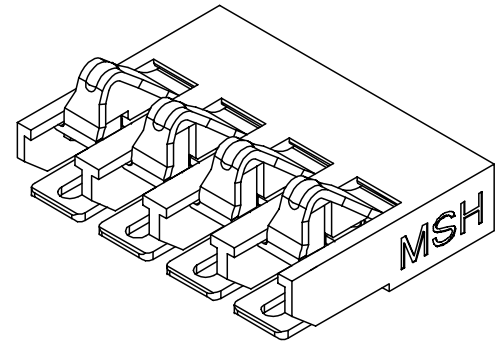
This document was generated on 05/26/2010

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47417					
ASS. P/N	CKTS	A	B	HOUSING	TERMINAL
47417-1001	2	4.10	2.00	47182-1002	47417-0003
47417-2001	3	6.10	4.00	47182-2002	47417-0003
47417-0001	4	8.10	6.00	47182-0002	47417-0003



RECOMMENDED FOOT PRINT



NOTE:

- MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, COLOR :BLACK  
TERMINAL: COPPER ALLOY.
- FINISH:  
CONTACT AREA: 0.75 MICRON GOLD MIN OVER 1.25 MICRON NICKEL MIN.  
SOLDER AREA: GOLD FLASH (0.075-0.125 MICRON) OVER 1.25 MICRON NICKEL MIN.  
REST AREA: 1.25 MICRON NICKEL MIN.
- COPLANARITY: 0.1 MAX AMONG THESE SOLDER TAILS.
- PRODUCT SPECIFICATION: PS-47182-001
- WORKING HEIGHT: 2.10mm REF.

NEW RELEASE EC NO: SH2006-0598 DRWN:LHSHEN 2006/04/25 CHKD: 2006/04/25 APPR: XIXU 2006/04/26	QUALITY SYMBOLS ▽ = 0 ▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
		mm	INCH	DIMENSION STYLE MM ONLY		TITLE		
		4 PLACES ± ---	± ---	DRAWN BY LHSHEN	DATE 2006/02/18	2.0MM PITCH 4 CIRCUITS 0.7MM CONTACT WIDTH BATTERY CONNECTOR		
		3 PLACES ± ---	± ---	CHECKED BY XU XIANG	DATE 2006/04/06	MOLEX INCORPORATED		
2 PLACES ± 0.15	± ---	ANGULAR ± 2 °		APPROVED BY JENNY	DATE 2006/04/14	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-47417-001	
1 PLACE ± 0.20	± ---	DRAFT WHERE APPLICABLE		SHEET NO. 1 OF 1				
MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						