

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

**Part Number:** [0474100001](#)  
**Status:** **Active**  
**Overview:** [battery connectors](#)  
**Description:** 2.00mm (.079") Pitch Battery Connector, 4 Circuits, SMT, Width 7.00mm (.276"), Working Height 3.80mm (.150"), Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-47158-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">47410</a>
Application	Board-to-Board
Overview	<a href="#">battery connectors</a>
Product Name	Battery Connector, Compression Connector, One Piece

**Physical**

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	10,000
Glow-Wire Compliant	No
Lock to Mating Part	None
Mated Height (in)	0.150 In
Mated Height (mm)	3.80 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Performance 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)	50
Plating min: Termination (µm)	1.25
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

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

**Material Info**

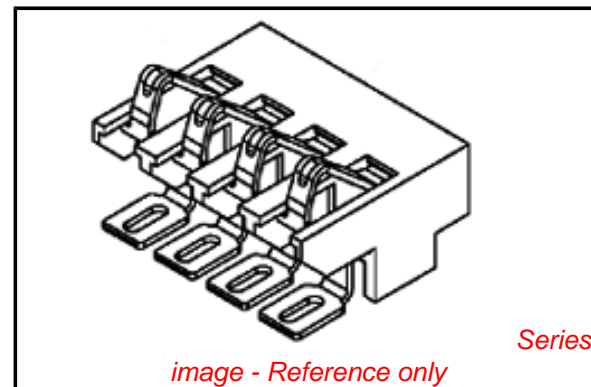


image - Reference only

**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](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**  
[47410Series](#)

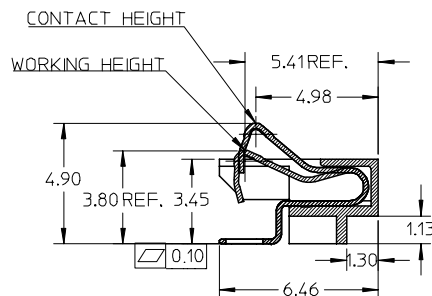
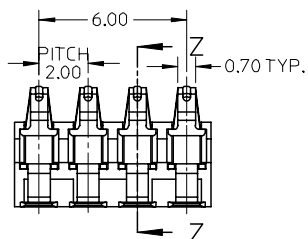
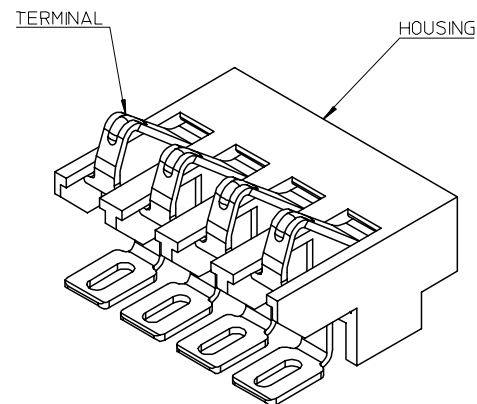
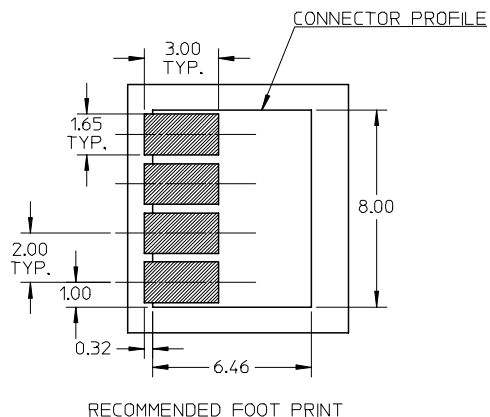
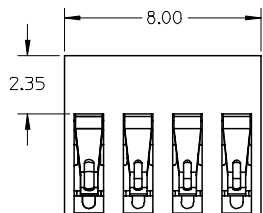
**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

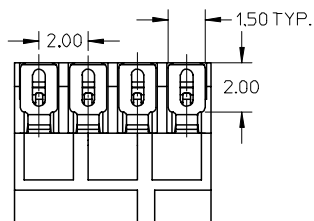
PS-47158-001  
SD-47410-001

This document was generated on 05/26/2010

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SECTION Z-Z



NOTE:

1.MATERIAL:

HOUSING: LCP, 30% GLASS-FILLED, UL 94V-0, COLOR :BLACK  
 TERMINAL: 0.20MM PHOSPHOR BRONZE.

2.FINISH:

CONTACT AREA: 0.75 MICRON GOLD MIN OVER 1.25 MICRON NICKEL MIN.  
 SOLDER AREA: GOLD FLASH OVER 1.25 MICRON NICKEL MIN.  
 REST AREA: 1.25 MICRON NICKEL MIN.

3.COPLANARITY: 0.1 MAX AMONG THESE SOLDER TAILS.

4.PRODUCT SPECIFICATION: PS-47158-001

5.WORKING HEIGH: 0.35MM REF.

MODIFY DIMENSION EC NO: 2006/05/19 DRWN: LSHEN CHK: X XU APPR: JNCHEN 2006/06/07 2006/06/07 2006/06/07	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY LSHEN	DATE 2006/02/05	TITLE 2.0MM PITCH 4 CIRCUITS 0.7MM CONTACT WIDTH BATTERY CONNECTOR		
		2 PLACES ± 0.13 ± ---	1 PLACE ± 0.20 ± ---	CHECKED BY XU XIANG	DATE 2006/04/06	MOLEX INCORPORATED		
		ANGULAR ± 2 °		APPROVED BY JENNY	DATE 2006/04/11	MATERIAL NO. 474100001	DOCUMENT NO. SD-47410-001	SHEET NO. 1 OF 1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						