

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0474350219](#)
Status: **Active**
Description: 1.25mm (.049") Pitch Wire-to-Board Header, Single Row, Right Angle, Surface Mount, 2 Circuits, Lead-free

Documents:

[3D Model](#) [Product Specification PS-47434-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	47435
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height (in)	0.134 In
Mated Height (mm)	3.40 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	48
--	----

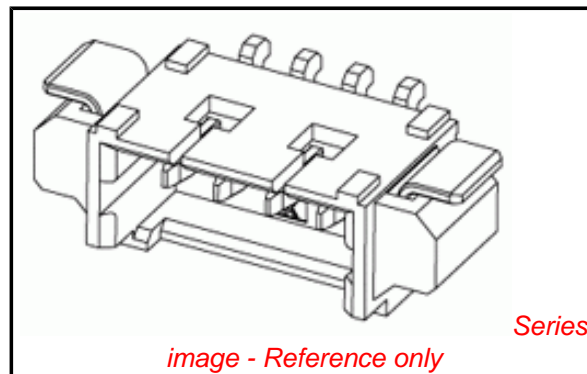


image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

[47435Series](#)

Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

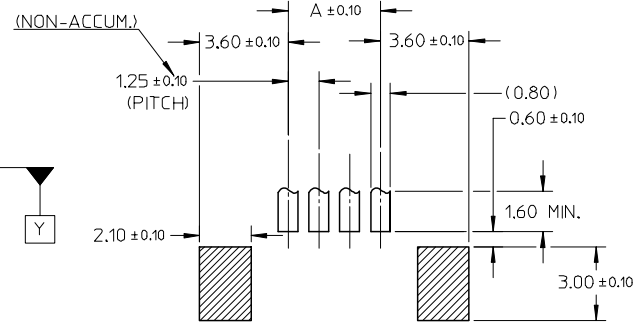
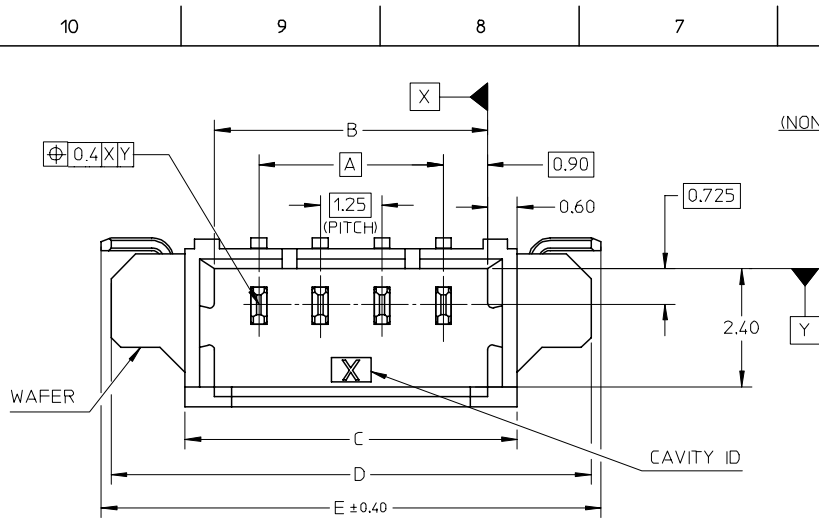
Material Info

Reference - Drawing Numbers

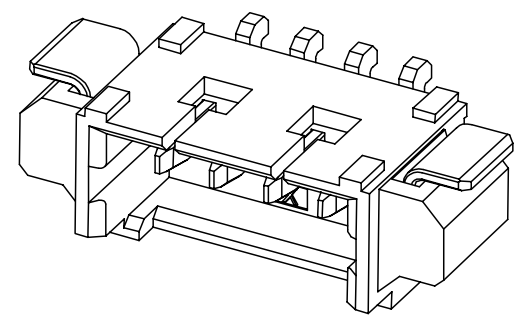
Packaging Specification	PK-47435-001
Product Specification	PS-47434-001
Sales Drawing	SD-47435-001
Test Summary	TS-47435-001

This document was generated on 06/07/2010

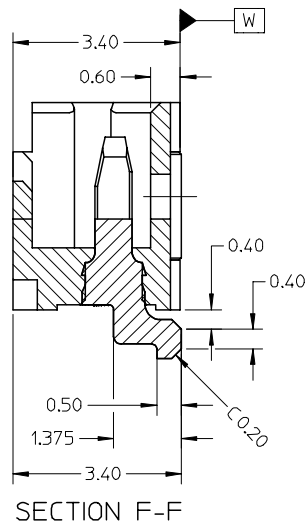
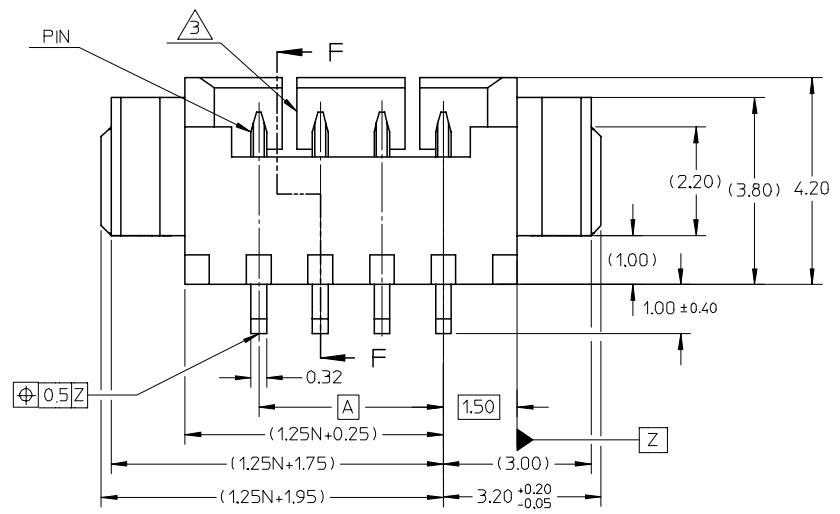
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



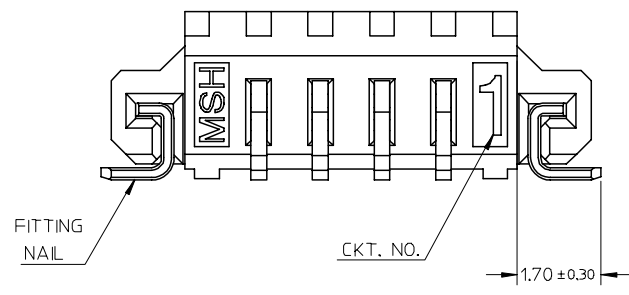
RECOMMENDED P.C.BOARD PATTERN DIM.(REF.)
(SCALE 5:1)



- NOTES:
- MATES WITH: 51021 SERIES.
 - MATERIAL
HOUSING : NYLON46, UL94V-0; COLOR: NATURAL
PIN : PHOSPHOR BRONZE,
TIN PLATING OVER NICKEL
FITTING NAIL : PHOSPHOR BRONZE,
TIN PLATING OVER NICKEL
 - LOCKING WINDOW :
ONE PLACE FOR 2 AND 3 CKT.
AND TWO PLACES FOR 4 CKT.
 - OFFSET BETWEEN BASIS PLANE TO $\square W$
SOLDER TAIL BOTTOM AND FITTING NAIL BOTTOM :
UPPER SIDE : 0.05mm MAX,
LOWER SIDE : 0.1mm MAX.
 - THE PART 47435-**19 COMPLIANT TO RoHS
DIRECTIVE 2002/95/EC AND ELV 2000/53/EC



SECTION F-F



VACUUM PACKAGING PK-47435-002	10.15	9.75	6.75	5.55	3.75	47435-8419	4
	8.90	8.50	5.50	4.30	2.50	47435-8319	3
	7.65	7.25	4.25	3.05	1.25	47435-8219	2
COMMON PACKAGING PK-47435-001	10.15	9.75	6.75	5.55	3.75	47435-0419	4
	8.90	8.50	5.50	4.30	2.50	47435-0319	3
	7.65	7.25	4.25	3.05	1.25	47435-0219	2
DESCRIPTION	E	D	C	B	A	MATERIAL.NO.	CKT.

RTM EC NO: DRWN:HPQIAN CHKD:HARVEY APPR: JNCHEH 2007/07/09 2007/07/11 2007/07/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																	
		<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	DRAWN BY HPQIAN		DATE 2006/02/17		TITLE 1.25 WIRE TO BOARD CONN. ASSY FOR SMT		
			mm	INCH																					
		4 PLACES	± ---	± ---																					
3 PLACES	± ---	± ---																							
2 PLACES	± 0.25	± ---																							
1 PLACE	± ---	± ---																							
ANGULAR ± 3°		CHECKED BY HAWK		DATE 2006/02/17																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. HARVEY		DATE 2006/02/17		MOLEX INCORPORATED																			
REV B		DESCRIPTION 1.25 WIRE TO BOARD CONN. ASSY FOR SMT		SEE TABLE		DOCUMENT NO. SD-47435-001		SHEET NO. 1 OF 1																	