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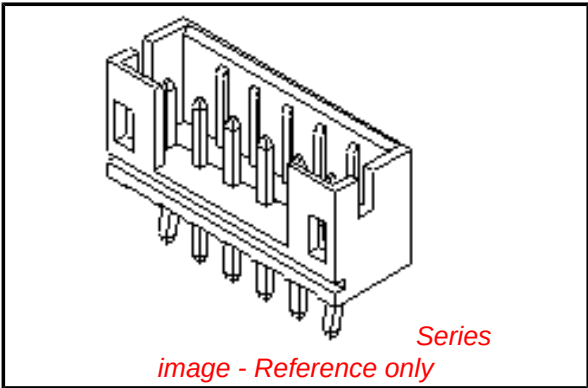
Part Number: [0894001610](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Wire-to-Board Header, Vertical, 16 Circuits, without Kinked PC Tail

Documents:
[3D Model](#) [Product Specification PS-87369-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification
CSA LR19980

General
Product Family PCB Headers
Series [89400](#)
Application Wire-to-Board
Product Name N/A

Physical
Breakaway No
Circuits (Loaded) 16
Circuits (maximum) 16
Color - Resin Natural
Durability (mating cycles max) 30
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Mated Height (in) 0.287 In
Mated Height (mm) 7.30 mm
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.134 In
PC Tail Length (mm) 3.40 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.045 In
PCB Thickness Recommended (mm) 1.20 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Plating min: Mating (µin) 50
Plating min: Mating (µm) 1.27
Plating min: Termination (µin) 50
Plating min: Termination (µm) 1.27
Polarized to PCB No
Shrouded Partial
Stackable No
Temperature Range - Operating -25°C to +85°C
Termination Interface: Style Through Hole



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed



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
[89400Series](#)

Mates With
[87369 Crimp Housing](#)

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V

Material Info

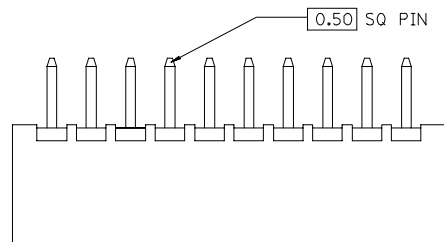
Reference - Drawing Numbers

Product Specification	PS-87369-0001
Sales Drawing	SD-89400-**1*

This document was generated on 06/08/2010

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10 9 8 7 6 5 4 3 2 1



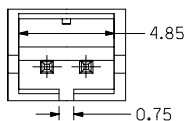
PART NO. LEGEND

89400 - ** 2 *

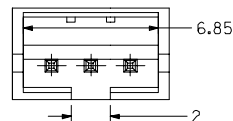
CKT SIZE

COLOR OPTION

- 0 - NATURAL (WHITE)
- 1 - BLACK
- 2 - RED
- 3 - YELLOW
- 4 - BLUE
- 6 - GREEN



IN CASE OF
2 CIRCUIT WAFER



IN CASE OF
3 CIRCUIT WAFER

CIRCUITS	ORDER NO.	DIM. C	DIM. D	DIM. A
2	89400-022*	2.00	0.75	6.00
3	89400-032*	4.00	2.00	8.00
4	89400-042*	6.00	4.00	10.00
5	89400-052*	8.00	6.00	12.00
6	89400-062*	10.00	8.00	14.00
7	89400-072*	12.00	10.00	16.00
8	89400-082*	14.00	12.00	18.00
9	89400-092*	16.00	14.00	20.00
10	89400-102*	18.00	16.00	22.00
11	89400-112*	20.00	18.00	24.00
12	89400-122*	22.00	20.00	26.00
13	89400-132*	24.00	22.00	28.00
14	89400-142*	26.00	24.00	30.00
15	89400-152*	28.00	26.00	32.00
16	89400-162*	30.00	28.00	34.00

KINK TO BE APPLIED AS FOLLOW

CKT NO. CKT	1	2	3	4	5	N-2	N-1	N
6 CKT (OR OVER ALL)	①	—	—	—	—	—	—	①
5 CKT	①	—	—	—	①	—	—	—
4 CKT	①	—	—	①	—	—	—	—
3 CKT	①	—	①	—	—	—	—	—
2 CKT	①	①	—	—	—	—	—	—

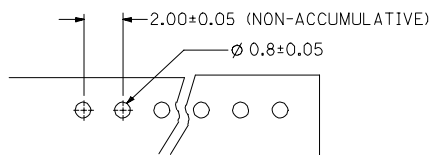
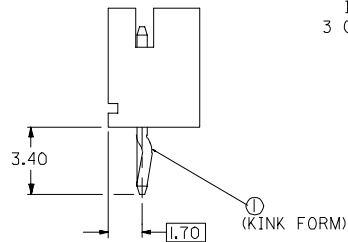
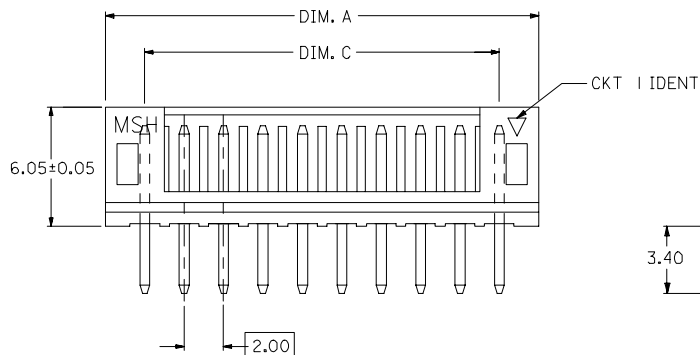
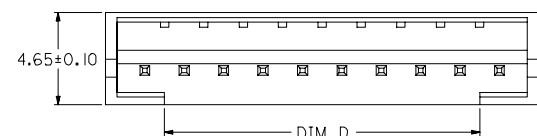
NOTE:

- MATERIALS : HOUSING - NYLON (PA66), UL94 V-0
COLOR : SEE OPTION
TERMINAL - BRASS

- FINISHES : TERMINAL - TIN THICKNESS 127-254 MICROMETER OVER
NICKEL THICKNESS 2.54 MICROMETER MIN OVERALL
COPPER THICKNESS 1.07 MICROMETER MIN OVERALL

- PRODUCT SPECIFICATION : PS-87369-0002

- BULK PACK IN PVC BAG WITH 1000 PCS PER BAG.



(BOARD THICKNESS = 1.2MM)

RECOMMENDED PCB LAYOUT

NEW RELEASE EC NO: SH2006-0288 DRWN:DHU 2005/12/07 CHKD:HARVEY 2005/12/08 APPR:GCHEN 2005/12/09	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY SAM SHIN	DATE 1998/10/22	TITLE 2.0MM WIRE-BOARD STRAIGHT HEADER WITH COINING					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---								
			2 PLACES	± 0.25	± ---	APPROVED BY		DATE	molex MOLEX INCORPORATED				
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-89400-**2*		1 OF 1				
		REV	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										