

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0894000810

Status:

Active

Description:

2.00mm (.079") Pitch Wire-to-Board Header, Vertical, 8 Circuits, without Kinked PC Tail

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87369-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Product Name

PCB Headers

89400

Wire-to-Board

N/A

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

8

8

Natural

30

No

94V-0

No

No

None

Yes

Tin

Tin

Nylon

1

Vertical

0.134 In

3.40 mm

No

None

0.045 In

1.20 mm

Bag

0.079 In

2.00 mm

50

1.27

50

1.27

No

Partial

No

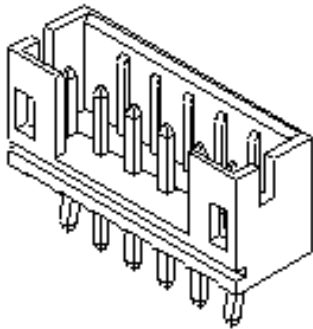
-25°C to +85°C

Through Hole

Electrical

Current - Maximum per Contact

4A



Series
image - Reference only

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
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

Voltage - Maximum	250V
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Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	245

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

F

E

D

C

B

A

F

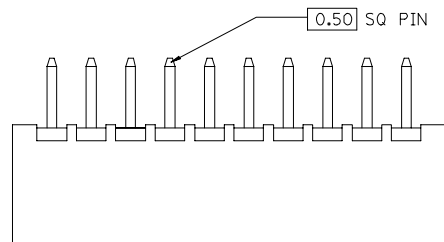
E

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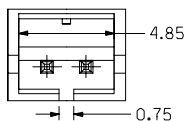
PART NO. LEGEND

89400 - ** 2 *

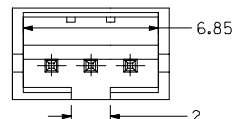
CKT SIZE

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

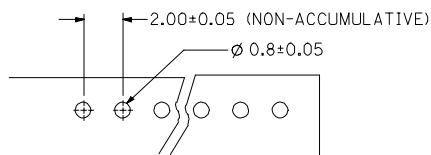
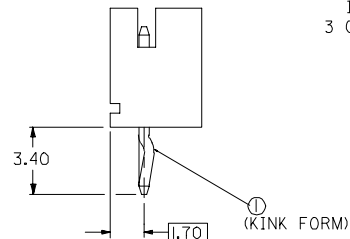
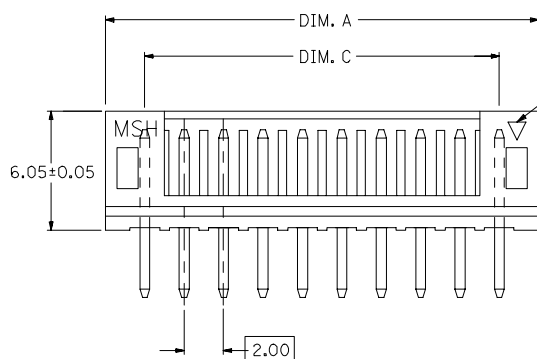
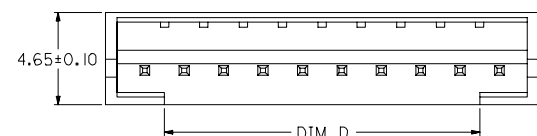
CIRCUITS	ORDER NO.	DIM. C	DIM. D	DIM. A
2	89400-022*	2.00	0.75	6.00
3	89400-032*	4.00	2.00	8.00
4	89400-042*	6.00	4.00	10.00
5	89400-052*	8.00	6.00	12.00
6	89400-062*	10.00	8.00	14.00
7	89400-072*	12.00	10.00	16.00
8	89400-082*	14.00	12.00	18.00
9	89400-092*	16.00	14.00	20.00
10	89400-102*	18.00	16.00	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	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	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												

9 8 7 6 5 4 3 2 1