

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0894000220](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Wire-to-Board Header, Vertical, 2 Circuits, with Kinked PC Tail

Documents:

3D Model	Product Specification PS-87369-0002 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

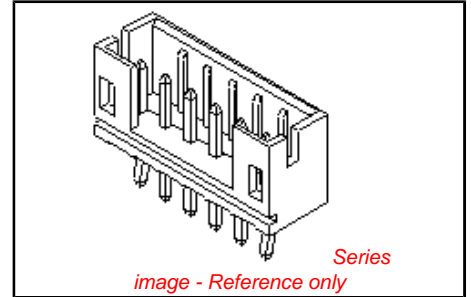
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	89400
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
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	Yes
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 Halogen-Free

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.

China RoHS



Search Parts in this Series

89400Series

Mates With

87369 Crimp Housing

Electrical

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

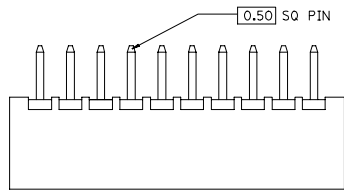
Material Info**Reference - Drawing Numbers**

Product Specification PS-87369-0002, RPS-87369-001
Sales Drawing SD-89400-**2*

This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

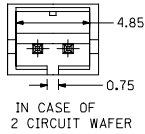
10 9 8 7 6 5 4 3 2 1



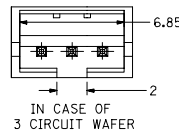
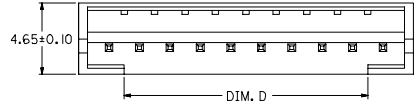
PART NO. LEGEND
 89400 - ** 2 *

CKT SIZE

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

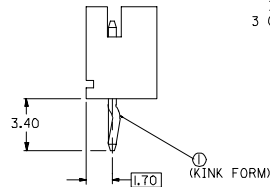
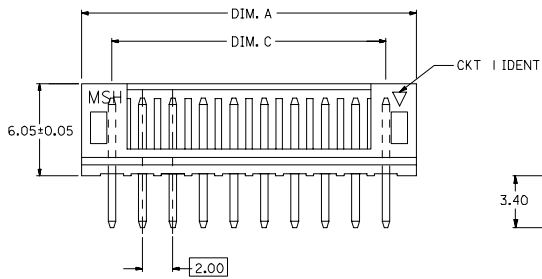


CIRCUITS	ORDER NO.	DIM. C	DIM. D	DIM. A
2	89400-022*	2.00	0.75	6.00
3	89400-032*	4.00	2.00	8.00
4	89400-042*	6.00	4.00	10.00
5	89400-052*	8.00	6.00	12.00
6	89400-062*	10.00	8.00	14.00
7	89400-072*	12.00	10.00	16.00
8	89400-082*	14.00	12.00	18.00
9	89400-092*	16.00	14.00	20.00
10	89400-102*	18.00	16.00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



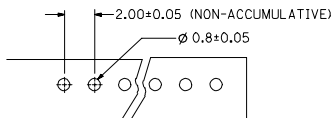
KINK TO BE APPLIED AS FOLLOW

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



NOTE:

- MATERIALS : HOUSING - NYLON (PA66), UL94 V-0
 COLOR : SEE OPTION
 TERMINAL - BRASS
- FINISHES : TERMINAL - TIN THICKNESS 1.27-2.54 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 DRW: SHU CHK: HARELY APPR: GCHEN	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY	DATE	TITLE		
		4 PLACES ± ---	± ---	SAM SHIN	1998/10/22			2.0MM WIRE-BOARD STRAIGHT HEADER WITH COINING
		3 PLACES ± ---	± ---	CHECKED BY	DATE			
		2 PLACES ± 0.25	± ---	APPROVED BY	DATE			
		1 PLACE ± 0.25	± ---					
		ANGULAR ± 2 °						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	SEE TABLE	DOCUMENT NO.	SD-89400-**2*	SHEET NO. 1 OF 1
				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