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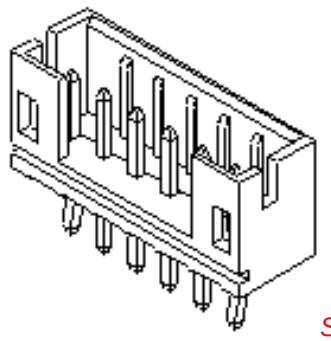
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0894001620
Status: Active
Description: 2.00mm(.079") Pitch Wire-to-Board Header, Vertical, 16 Circuits, with Kinked PC Tail

Documents:

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



Series image - Reference only

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	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

Electrical

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
89400Series

Mates With
87369 Crimp Housing

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

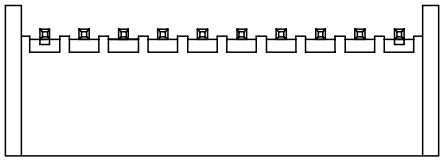
Material Info

Reference - Drawing Numbers

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

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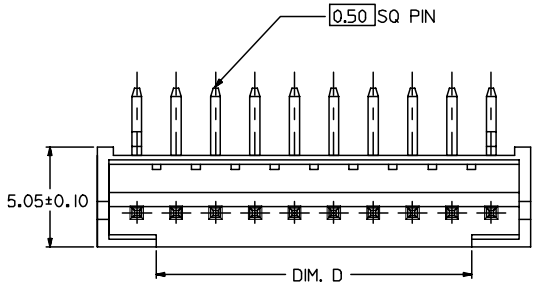
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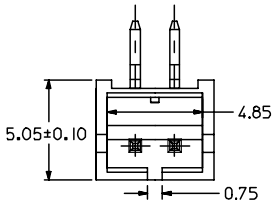


KINK TO BE APPLIED AS FOLLOW

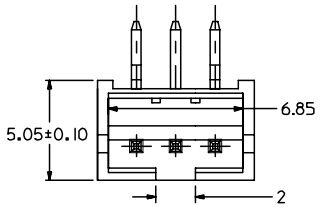
CKT NO. / CKT	1	2	3	4	5	N-2	N-1	N
6 CKT	①	—	—	—	—	—	—	①
5 CKT	①	—	—	—	①			
4 CKT	①	—	—	①				
3 CKT	①	—	①					
2 CKT	①	①						

CIRCUITS	ORDER NO.	DIM. C	DIM. D	DIM. A	REMARK
2	89401-021*	2.00	0.75	6.00	
3	89401-031*	4.00	2.00	8.00	
4	89401-041*	6.00	4.00	10.00	
5	89401-051*	8.00	6.00	12.00	
	89401-0520				VOID PIN 4
6	89401-061*	10.00	8.00	14.00	
7	89401-071*	12.00	10.00	16.00	
8	89401-081*	14.00	12.00	18.00	
9	89401-091*	16.00	14.00	20.00	
10	89401-101*	18.00	16.00	22.00	
	89401-1020				VOID PIN 7
11	89401-111*	20.00	18.00	24.00	
12	89401-121*	22.00	20.00	26.00	
13	89401-131*	24.00	22.00	28.00	
14	89401-141*	26.00	24.00	30.00	
15	89401-151*	28.00	26.00	32.00	
16	89401-161*	30.00	28.00	34.00	

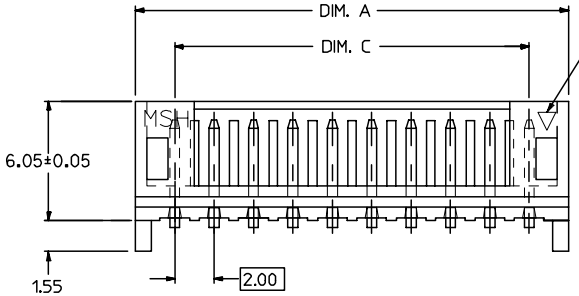


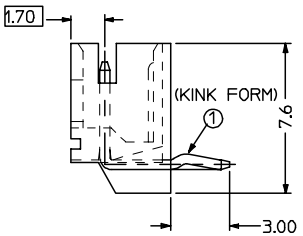


IN CASE OF
2 CIRCUIT WAFER



IN CASE OF
3 CIRCUIT WAFER





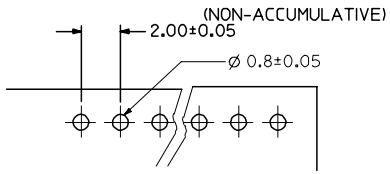
PART NO. LEGEND

89401 - ** 1(2) *

CKT SIZE

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

NOTE:
1. PRODUCT SPEC. PS-87369-0001 APPLIES.
2. BULK PACK IN PVC BAG WITH 1000 PCS PER BAG.
3. MATERIAL :
   HOUSING - NYLON 66 94V0,COLOR: SEE OPTION
   TERMINAL - BRASS
4. FINISH :
   TERMINAL - TIN THICKNESS 1.27-2.54 MICROMETER OVER
   NICKEL THICKNESS 2.54 MICROMETER MIN OVERALL
   COPPER THICKNESS 1.07 MICROMETER MIN OVERALL



(BOARD THICKNESS 1.2MM)

RECOMMENDED PCB LAYOUT

NEW RELEASE
EC NO: SH2006-0287 2005/12/06
DRWN:DHU 2005/12/08
CHKD:HARVEY 2005/12/09
APPR:GCHEN
DESCRIPTION
REV G

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:4
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: SAM SHIN DATE: 1998/10/22
CHECKED BY: DATE:
APPROVED BY: DATE:

TITLE: 2.0MM WIRE-BOARD RIGHT ANGLE HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-89401-**1*
SHEET NO.: 1 OF 1
SIZE: A3

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