

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

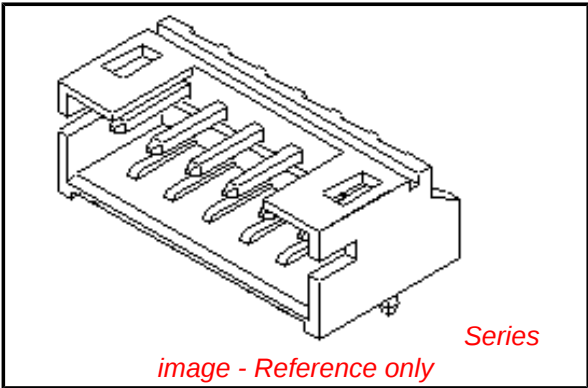
0894010210

Status:

Active

Description:

2.00mm (.079") Pitch Wire-to-Board Header, Right Angle, 2 Circuits



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	89401
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
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 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	
Current - Maximum per Contact	4A

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

89401Series

Mates With

87369 Crimp Housing

Voltage - Maximum

250V

Material Info

Reference - Drawing Numbers

Product Specification

PS-87369-0002, RPS-87369-001

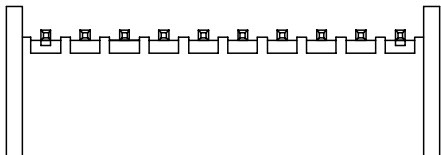
Sales Drawing

SD-89401-**1*

This document was generated on 06/08/2010

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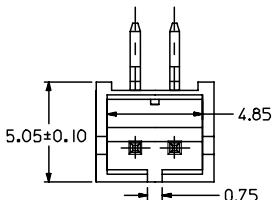
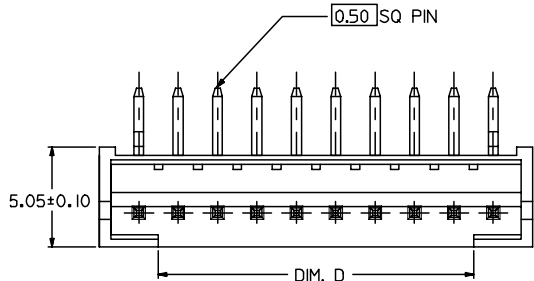
10 9 8 7 6 5 4 3 2 1



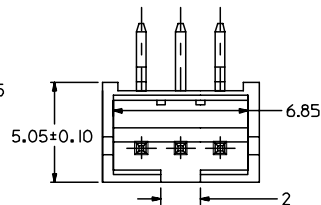
KINK TO BE APPLIED AS FOLLOW

CKT NO.	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	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	VOID PIN 7
	89401-1020				
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

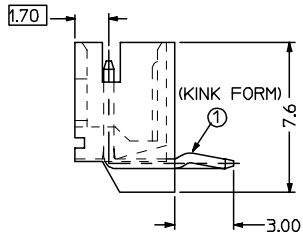
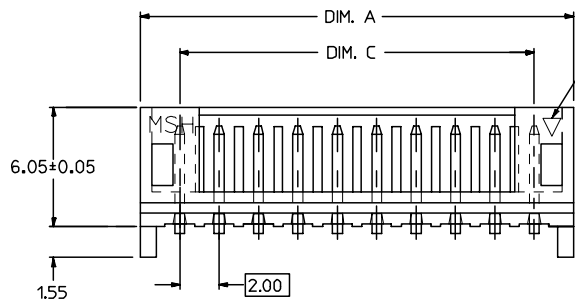
PART NO. LEGEND

89401 - ** 1(2) *

CKT SIZE

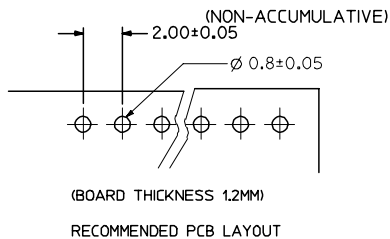
COLOR OPTION

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



NOTE:

- PRODUCT SPEC. PS-87369-0001 APPLIES.
- BULK PACK IN PVC BAG WITH 1000 PCS PER BAG.
- MATERIAL :
HOUSING - NYLON 66 94V0.COLOR: SEE OPTION
TERMINAL - BRASS
- 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 DRWN:DHU 2005/12/06 CHKD:HARVEY 2005/12/08 APPR:GCHEN 2005/12/09 G	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:4	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 						
				mm	INCH	DRAWN BY SAM SHIN	DATE 1998/10/22	TITLE 2.0MM WIRE-BOARD RIGHT ANGLE HEADER							
			4 PLACES	± ---	± ---	CHECKED BY	DATE								
			3 PLACES	± ---	± ---	APPROVED BY					DATE  MOLEX INCORPORATED				
			2 PLACES	± 0.25	± ---										
1 PLACE	± 0.25	± ---													
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-89401-**1*		1 OF 1						
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								