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Part Number: [0022031032](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Single Row, 11.10mm (.437") Mating Pin Length, 3 Circuits

Documents:

3D Model	Product Specification PS-3022-004 (PDF)
Drawing (PDF)	Product Specification PS-99020-0088 (PDF)
Product Specification PS-3022-003 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179
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General

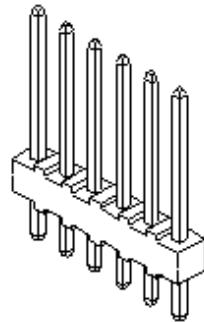
Product Family	PCB Headers
Series	3022
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Natural (White)
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Brass
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)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V



Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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
[3022Series](#)

Mates With
[5124](#)

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Old Part Number

3022-03B

Reference - Drawing Numbers

Product Specification

PS-3022-003, PS-3022-004, PS-99020-0088

Sales Drawing

SDAE-3022-NB

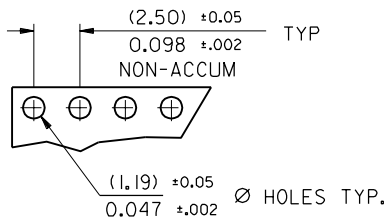
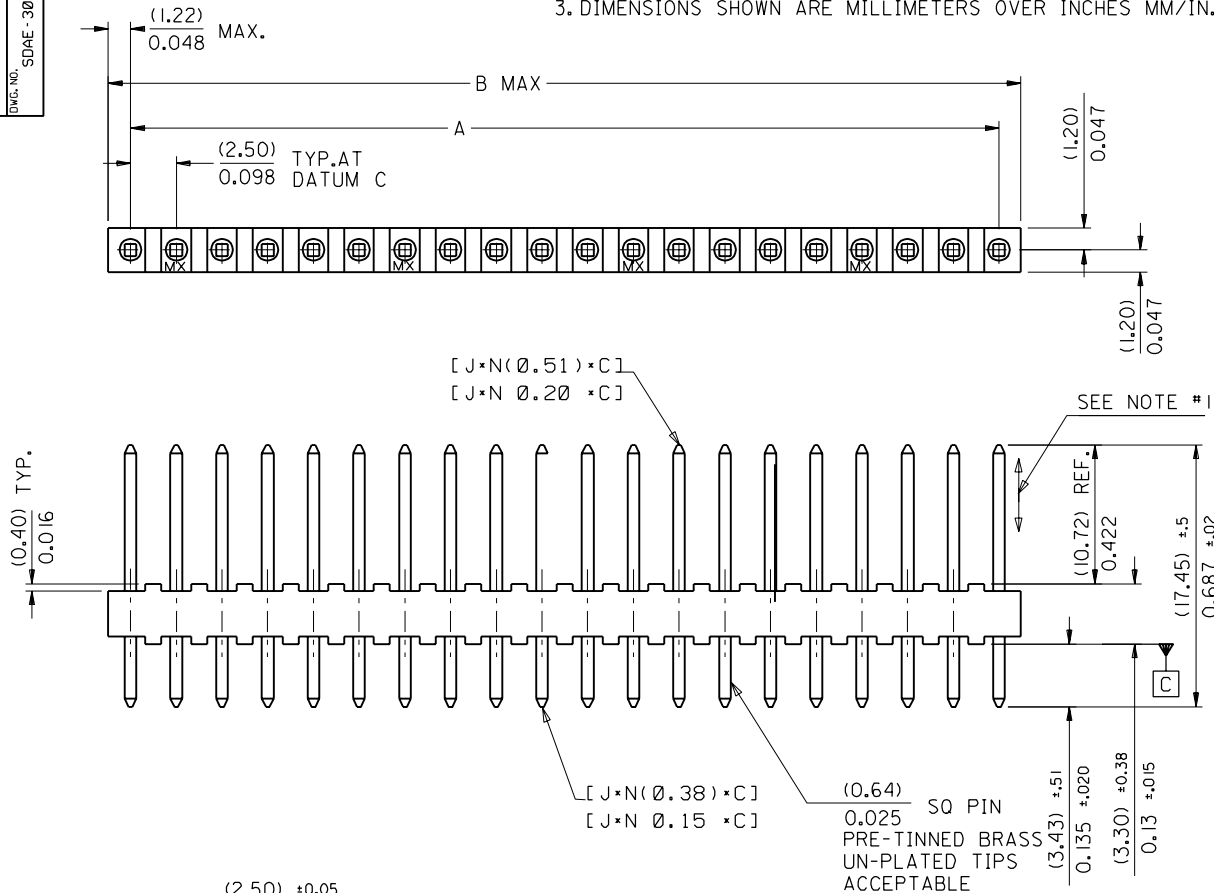
This document was generated on 04/15/2010

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OWG. NO. SDAE - 3022 - NB

Diagram illustrating the stacking of wafers:

- STACKABLE SIDE BY SIDE:** Shows three wafers stacked horizontally. The width of the stack is labeled as $(2.50) / 0.098$.
- STACKABLE END TO END:** Shows a single wafer stacked vertically. The length of the wafer is labeled as $(2.50) / 0.098$.
- The vertical dimension for both stacks is labeled as 0.098 .
- Labels ζ OF WAFER indicate the center of the wafer.



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

MAT'L: NYLON 6/6, 94V-0

REDRAWN ON CAD EC NO. E80290 DRWN: P.MOORE 98/01/29 CHK: / / / APPR: / / / C	DESCRIPTION	QUALITY SYMBOLS MAJOR = CRITICAL = C =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 4 : 1	DESIGN UNITS ☒ mm ☒ INCH	 THIRD ANGLE PROJECTION	☒ mm ☐ INCH ☐ mm ONLY	REVISE ON CAD ONLY	
			mm	INCH	DRAWN BY & DATE P.MOORE 98/01/29		TITLE: WAFER-FLAT KK (2.5)/.098 0.025 SQ. PIN			
			4 PLACES ±0.	±.	CHECKED BY & DATE O.COSTEL 98/04/08		MOLEX INCORPORATED			
			3 PLACES ±0.	±.008	APPROVED BY & DATE M.WILHIT 98/04/08		MATERIAL NO. SEE CHART			
			2 PLACES ±0.2	±.016	CAD FILENAME SD3022NB.DGN		DRAWING NO. SDAE-3022 -NB		SHEET NO. 1 OF 1	
			1 PLACE ±0.4	±.	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			
ANGULAR: ± 1/2 °										

PART No.	ENG. No.	NO OF CKTS.	DIM. A	DIM. B
22-03-1202	AE-3022-20B	20	(47.5) ±0.25 1.870 ±0.010 (45.0) ±0.23	(49.9) 1.965 (47.4)
↑	↑	19	1.772 ±0.009 (42.5) ±0.23	1.866 (44.9)
-1192	-19B	18	1.674 ±0.009 (40.0) ±0.20	1.768 (42.4)
-1182	-18B	17	1.575 ±0.008 (37.5) ±0.20	1.669 (39.9)
-1172	-17B	16	1.477 ±0.008 (35.0) ±0.20	1.571 (37.4)
-1162	-16B	15	1.378 ±0.008 (32.5) ±0.18	1.472 (34.9)
-1152	-15B	14	1.280 ±0.007 (30.0) ±0.18	1.374 (32.4)
-1142	-14B	13	1.181 ±0.007 (27.5) ±0.18	1.276 (29.9)
-1132	-13B	12	1.083 ±0.007 (25.0) ±0.15	1.177 (27.4)
-1122	-12B	11	.984 ±0.006 (22.5) ±0.15	1.079 (24.9)
-1112	-11B	10	.886 ±0.006 (20.0) ±0.13	.980 (22.4)
-1102	-10B	9	.787 ±0.005 (17.5) ±0.13	.882 (19.9)
-1092	-9B	8	.689 ±0.005 (15.0) ±0.13	.783 (17.4)
-1082	-8B	7	.591 ±0.005 (12.5) ±0.10	.685 (14.9)
-1072	-7B	6	.492 ±0.004 (10.0) ±0.10	.587 (12.4)
-1062	-6B	5	.394 ±0.004 (7.5) ±0.10	.488 (9.9)
-1052	-5B	4	.295 ±0.004 (5.0) ±0.10	.390 (7.4)
-1042	-4B	3	.197 ±0.004 (2.5) ±0.10	.291 (4.9)
↓	↓	2	.098 ±0.004	.193
22-03-1022	AE-3022-2B			