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Part Number: [0022031102](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Single Row, 11.10mm (.437") Mating Pin Length, 10 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

General

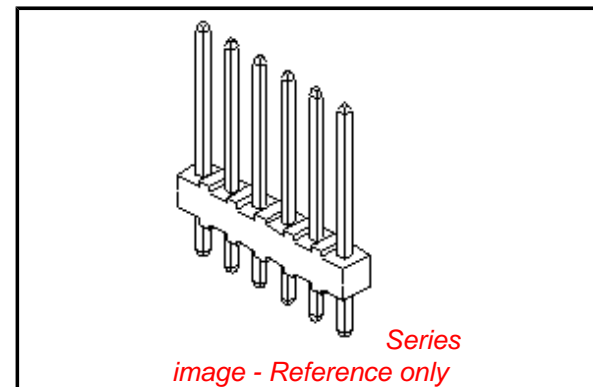
Product Family	PCB Headers
Series	3022
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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



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

[3022Series](#)

Mates With

[5124](#)

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Old Part Number

3022-10B

Reference - Drawing Numbers

Product Specification

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

Sales Drawing

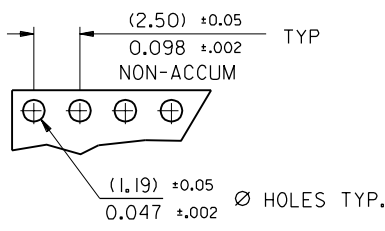
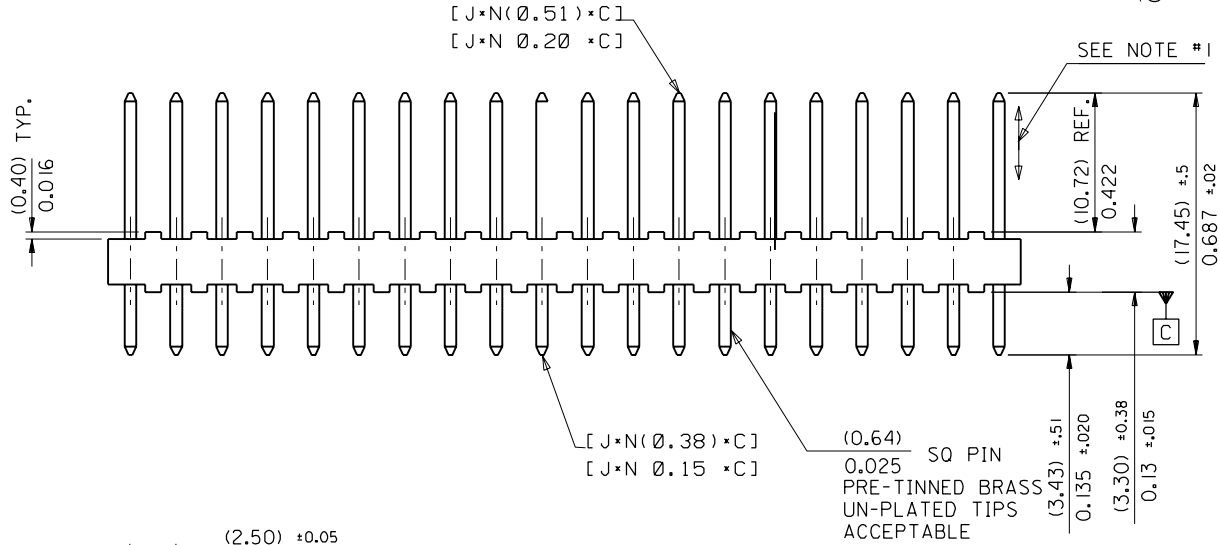
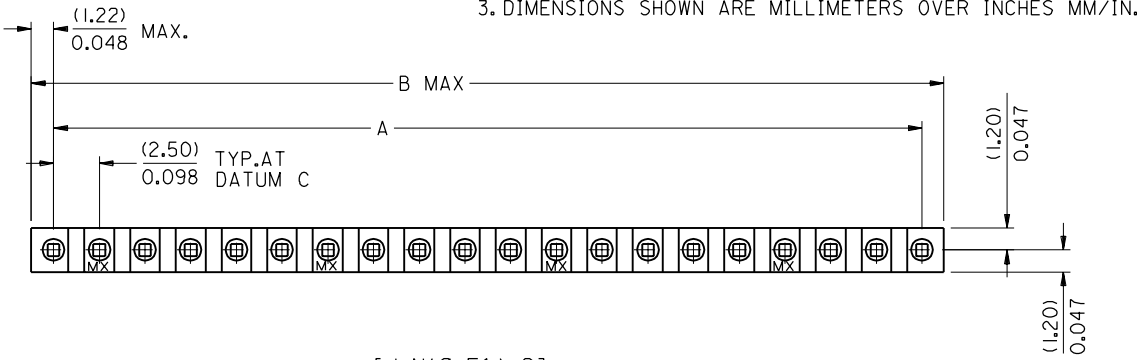
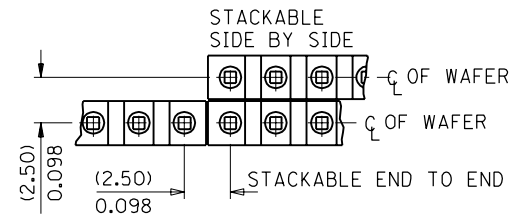
SDAE-3022-NB

This document was generated on 04/15/2010

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PART NO. 22-03-1-1-2
 DWG. NO. SDAE-3022-NB

NOTES :
 1. PIN PUSH OUT FORCE: 2 LBS. MIN.
 2. PIN SOLDERABILITY PER MOLEX ENG. STD. No. 53
 3. DIMENSIONS SHOWN ARE MILLIMETERS OVER INCHES MM/IN.



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

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

22-03-1202	AE-3022-20B	20	(47.5) ±.25 1.870 ±.010	(49.9) ±.25 1.965 ±.010
-1192	-19B	19	(45.0) ±.23 1.772 ±.009	(47.4) ±.23 1.866 ±.009
-1182	-18B	18	(42.5) ±.23 1.674 ±.009	(44.9) ±.23 1.768 ±.009
-1172	-17B	17	(40.0) ±.20 1.575 ±.008	(42.4) ±.20 1.669 ±.008
-1162	-16B	16	(37.5) ±.20 1.477 ±.008	(39.9) ±.20 1.571 ±.008
-1152	-15B	15	(35.0) ±.20 1.378 ±.008	(37.4) ±.20 1.472 ±.008
-1142	-14B	14	(32.5) ±.18 1.280 ±.007	(34.9) ±.18 1.374 ±.007
-1132	-13B	13	(30.0) ±.18 1.181 ±.007	(32.4) ±.18 1.276 ±.007
-1122	-12B	12	(27.5) ±.18 1.083 ±.007	(29.9) ±.18 1.177 ±.007
-1112	-11B	11	(25.0) ±.15 .984 ±.006	(27.4) ±.15 1.079 ±.006
-1102	-10B	10	(22.5) ±.15 .886 ±.006	(24.9) ±.15 .980 ±.006
-1092	-9B	9	(20.0) ±.13 .787 ±.005	(22.4) ±.13 .882 ±.005
-1082	-8B	8	(17.5) ±.13 .689 ±.005	(19.9) ±.13 .783 ±.005
-1072	-7B	7	(15.0) ±.13 .591 ±.005	(17.4) ±.13 .685 ±.005
-1062	-6B	6	(12.5) ±.10 .492 ±.004	(14.9) ±.10 .587 ±.004
-1052	-5B	5	(10.0) ±.10 .394 ±.004	(12.4) ±.10 .488 ±.004
-1042	-4B	4	(7.5) ±.10 .295 ±.004	(9.9) ±.10 .390 ±.004
-1032	-3B	3	(5.0) ±.10 .197 ±.004	(7.4) ±.10 .291 ±.004
22-03-1022	AE-3022-2B	2	(2.5) ±.10 .098 ±.004	(4.9) ±.10 .193 ±.004

PART No.	ENG. No.	NO OF CKTS.	DIM. A	DIM. B
22-03-1022	AE-3022-2B	2	(2.5) ±.10 .098 ±.004	(4.9) ±.10 .193 ±.004
DIMENSIONS:			SHT	REV
<input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY			1	1
TITLE: WAFER-FLAT KK (2.5)/.098 0.025 SQ. PIN			REVISIONS: CAD ONLY	
MOLEX INCORPORATED			SHEET NO. 1 OF 1	
CAD FILENAME: SD3022NB.DGN			DRAWING NO. SDAE-3022-NB	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				

REDRAWN ON CAD EC NO. E80290
 DRWN: P. MOORE 98/01/29
 CH'K: / / / /
 APPR: / / / /

QUALITY SYMBOLS
 MAJOR =
 CRITICAL =
 C =

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.008
2 PLACES	±0.2	±.016
1 PLACE	±0.4	±.

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 4 : 1
 DESIGN UNITS mm INCH
 DRAWN BY & DATE P. MOORE 98/01/29
 CHECKED BY & DATE O. COSTEL 98/04/08
 APPROVED BY & DATE M. WILHIT 98/04/08