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Part Number: [0022031122](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Single Row, 11.10mm (.437") Mating Pin Length, 12 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-3022-003 \(PDF\)](#)
[Product Specification PS-3022-004 \(PDF\)](#)
[Product Specification PS-99020-0088 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

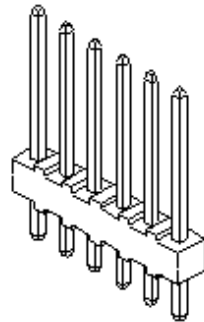
Product Family PCB Headers
Series [3022](#)
Application Wire-to-Board
Product Name N/A

Physical

Breakaway No
Circuits (Loaded) 12
Circuits (maximum) 12
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**
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 3022-12B

Reference - Drawing Numbers

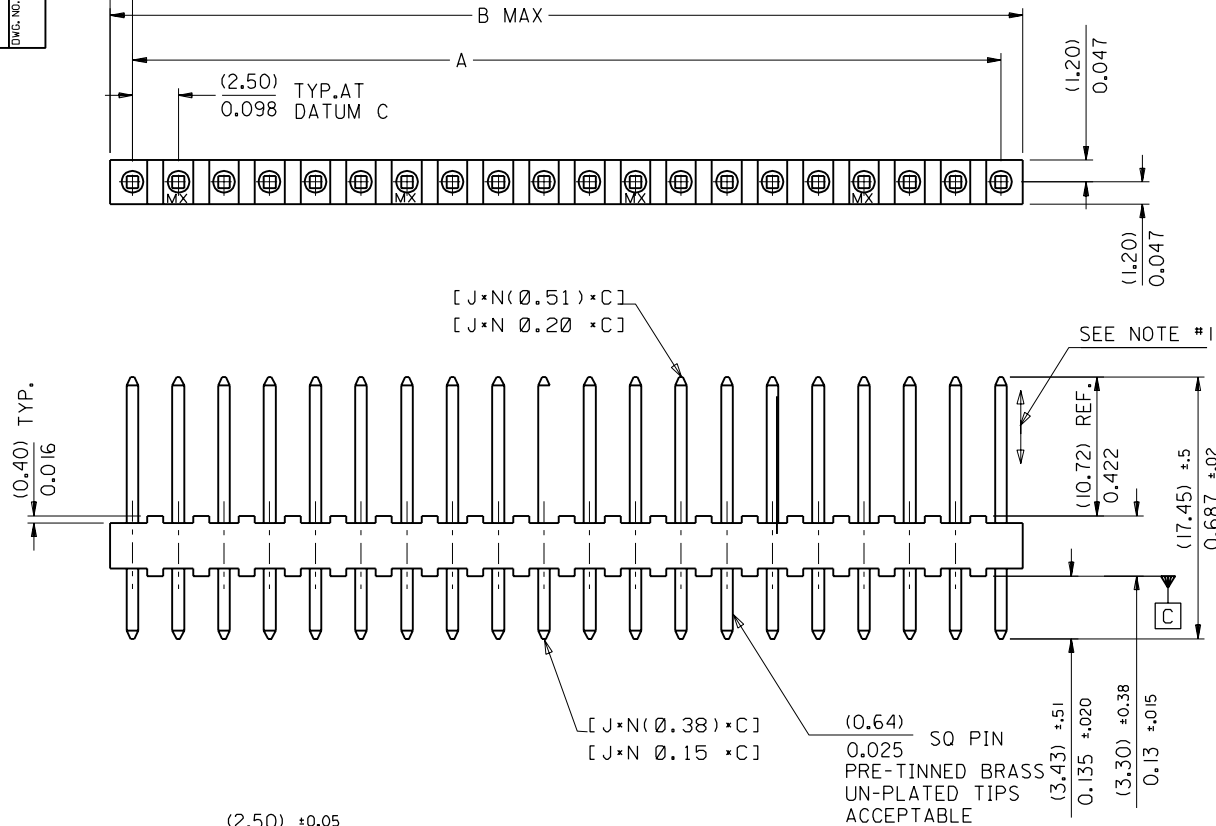
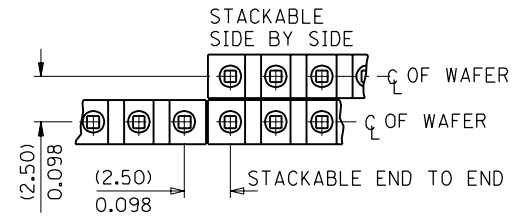
Product Specification PS-3022-003, PS-3022-004, PS-99020-0088
Sales Drawing SDAE-3022-NB

This document was generated on 04/15/2010

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PART NO. 22-03-1**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.



22-03-1202	AE-3022-20B	20	(47.5) ±.025 1.870 ±.010 (45.0) ±.023 1.772 ±.009 (42.5) ±.023 1.674 ±.009 (40.0) ±.020 1.575 ±.008 (37.5) ±.020 1.477 ±.008 (35.0) ±.020 1.378 ±.008 (32.5) ±.017 1.280 ±.007 (30.0) ±.018 1.181 ±.007 (27.5) ±.018 1.083 ±.007 (25.0) ±.015 0.984 ±.006 (22.5) ±.015 0.886 ±.006 (20.0) ±.013 0.787 ±.005 (17.5) ±.013 0.689 ±.005 (15.0) ±.013 0.591 ±.005 (12.5) ±.010 0.492 ±.004 (10.0) ±.010 0.394 ±.004 (7.5) ±.010 0.295 ±.004 (5.0) ±.010 0.197 ±.004 (2.5) ±.010 0.098 ±.004	(49.9) ±.025 1.965 ±.010 (47.4) ±.023 1.866 ±.009 (44.9) ±.023 1.768 ±.009 (42.4) ±.020 1.669 ±.008 (39.9) ±.020 1.571 ±.008 (37.4) ±.020 1.472 ±.008 (34.9) ±.017 1.374 ±.007 (32.4) ±.018 1.276 ±.007 (29.9) ±.018 1.177 ±.007 (27.4) ±.015 1.079 ±.006 (24.9) ±.015 0.980 ±.006 (22.4) ±.013 0.882 ±.005 (19.9) ±.013 0.783 ±.005 (17.4) ±.013 0.685 ±.005 (14.9) ±.010 0.587 ±.004 (12.4) ±.010 0.488 ±.004 (9.9) ±.010 0.390 ±.004 (7.4) ±.010 0.291 ±.004 (4.9) ±.010 0.193 ±.004
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PART No.	ENG. No.	NO OF CKTS.	DIM. A	DIM. B
22-03-1202	AE-3022-20B	20	(47.5) ±.025 1.870 ±.010 (45.0) ±.023 1.772 ±.009 (42.5) ±.023 1.674 ±.009 (40.0) ±.020 1.575 ±.008 (37.5) ±.020 1.477 ±.008 (35.0) ±.020 1.378 ±.008 (32.5) ±.017 1.280 ±.007 (30.0) ±.018 1.181 ±.007 (27.5) ±.018 1.083 ±.007 (25.0) ±.015 0.984 ±.006 (22.5) ±.015 0.886 ±.006 (20.0) ±.013 0.787 ±.005 (17.5) ±.013 0.689 ±.005 (15.0) ±.013 0.591 ±.005 (12.5) ±.010 0.492 ±.004 (10.0) ±.010 0.394 ±.004 (7.5) ±.010 0.295 ±.004 (5.0) ±.010 0.197 ±.004 (2.5) ±.010 0.098 ±.004	(49.9) ±.025 1.965 ±.010 (47.4) ±.023 1.866 ±.009 (44.9) ±.023 1.768 ±.009 (42.4) ±.020 1.669 ±.008 (39.9) ±.020 1.571 ±.008 (37.4) ±.020 1.472 ±.008 (34.9) ±.017 1.374 ±.007 (32.4) ±.018 1.276 ±.007 (29.9) ±.018 1.177 ±.007 (27.4) ±.015 1.079 ±.006 (24.9) ±.015 0.980 ±.006 (22.4) ±.013 0.882 ±.005 (19.9) ±.013 0.783 ±.005 (17.4) ±.013 0.685 ±.005 (14.9) ±.010 0.587 ±.004 (12.4) ±.010 0.488 ±.004 (9.9) ±.010 0.390 ±.004 (7.4) ±.010 0.291 ±.004 (4.9) ±.010 0.193 ±.004

THIRD ANGLE PROJECTION	SCALE	DESIGN UNITS	TITLE	SHT	REV
☒ THIRD ANGLE PROJECTION	4 : 1	☒ MM ☒ INCH	WAFFER-FLAT KK (2.5)/.098 0.025 SQ. PIN		
DRAWN BY & DATE P. MOORE 98/01/29			CHECKED BY & DATE O. COSTEL 98/04/08	REVISE ON CAD ONLY	
APPROVED BY & DATE M. WILHIT 98/04/08			MATERIAL NO. ☒ SEE CHART		
CAD FILE NAME SD3022NB.DGN			DRAWING NO. SDAE-3022 -NB		
SHEET NO. 1 OF 1			SIZE B		

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

REDRAWN ON CAD	EC NO.	DRWN.	CHK'D	APPR.	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE	DESIGN UNITS	TITLE	SHT	REV
E80290	P. MOORE 98/01/29					MAJOR CRITICAL C	mm INCH	4 : 1	☒ MM ☒ INCH	WAFFER-FLAT KK (2.5)/.098 0.025 SQ. PIN		
							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					

THIRD ANGLE PROJECTION	SCALE	DESIGN UNITS	TITLE	SHT	REV
☒ THIRD ANGLE PROJECTION	4 : 1	☒ MM ☒ INCH	WAFFER-FLAT KK (2.5)/.098 0.025 SQ. PIN		
DRAWN BY & DATE P. MOORE 98/01/29			CHECKED BY & DATE O. COSTEL 98/04/08	REVISE ON CAD ONLY	
APPROVED BY & DATE M. WILHIT 98/04/08			MATERIAL NO. ☒ SEE CHART		
CAD FILE NAME SD3022NB.DGN			DRAWING NO. SDAE-3022 -NB		
SHEET NO. 1 OF 1			SIZE B		

RECOMMENDED P.C. BOARD
HOLE DIMENSIONS

(1.19) ±.005
0.047 ±.002 Ø HOLES TYP.