

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022121161](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Right Angle, Square Pin, 16 Circuits, Gold (Au) Plating

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [3094](#)
Application Wire-to-Board
Product Name N/A

Physical

Breakaway No
Circuits (Loaded) 16
Circuits (maximum) 16
Color - Resin Natural (White)
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle
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) 20
Plating min: Mating (µm) 0.5
Plating min: Termination (µin) 20
Plating min: Termination (µm) 0.5
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

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

Material Info

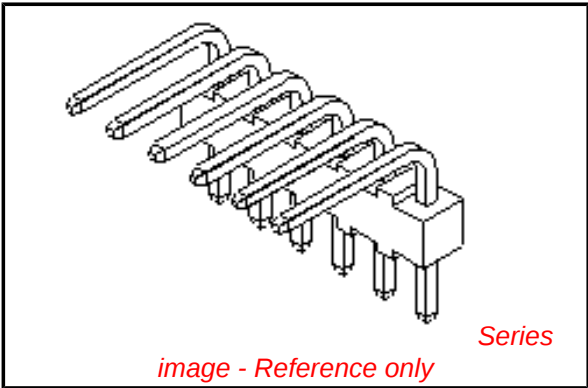


image - Reference only

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
[3094Series](#)

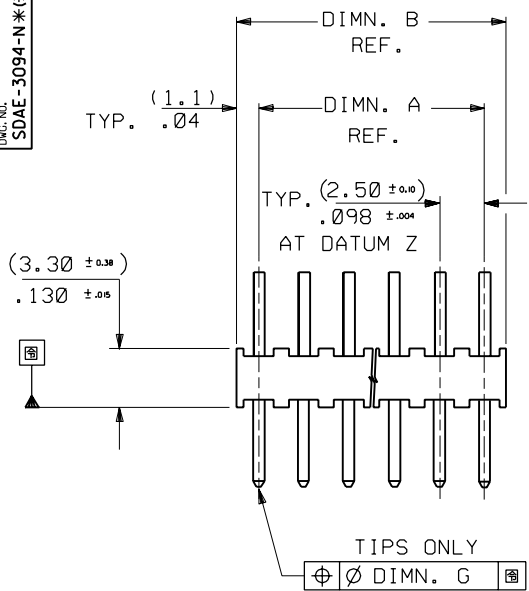
Mates With
[5051](#) , [7534](#)

Old Part Number	309416AG
Reference - Drawing Numbers	
Product Specification	PS-99020-0088
Sales Drawing	SDAE-3094-N*(*)

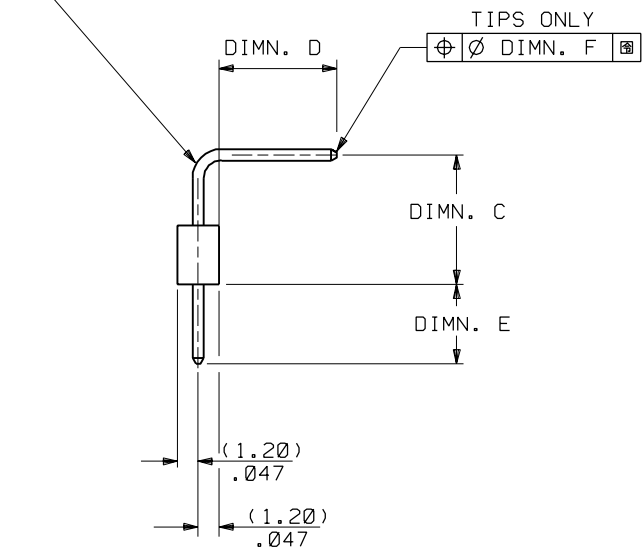
This document was generated on 04/15/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

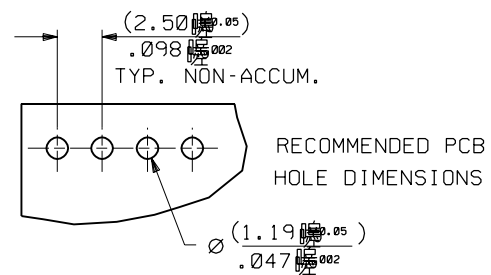
PART NO. SEE CHART
DWG. NO. SDAE-3094-N*(*)



TERMINAL PIN, (0.64)/.025 SQ. FOR
-PART NOS, PLATING & MATERIAL SEE CHARTS



AE-3094-N*(*)
PLATING CODE
WHERE APPLICABLE
NO. OF CKTS. VERSION



NOTES:

1. WAFER MATL. NYLON 6/6, 94V-0.
2. PIN PUSH OUT FORCE (0.907 KG)/2 LBS. MIN.
3. PARTS ARE STACKABLE END TO END AND SIDE TO SIDE ON (2.50)/.098 CENTRES.
4. FOR DIMENSIONS C,D,E,F & G SEE SUBSEQUENT SHEETS.
5. PINS MUST CONFORM TO MOLEX SOLDERABILITY SPEC. ES-152.

20	喉47.50 ± 0.25 1.870 ± .010	喉49.70 ± 0.16 1.957 ± .014
19	喉45.00 ± 0.20 1.772 ± .009	喉47.20 ± 0.13 1.858 ± .013
18	喉42.50 ± 0.20 1.673 ± .009	喉44.70 ± 0.10 1.760 ± .013
17	喉40.00 ± 0.20 1.575 ± .008	喉42.20 ± 0.10 1.662 ± .012
16	喉37.50 ± 0.20 1.476 ± .008	喉39.70 ± 0.10 1.563 ± .012
15	喉35.00 ± 0.20 1.378 ± .008	喉37.2 ± 0.10 1.462 ± .012
14	喉32.50 ± 0.20 1.280 ± .007	喉34.70 ± 0.10 1.367 ± .011
13	喉30.00 ± 0.18 1.181 ± .007	喉32.20 ± 0.10 1.268 ± .011
12	喉27.50 ± 0.18 1.083 ± .007	喉29.70 ± 0.10 1.169 ± .011
11	喉25.00 ± 0.15 .984 ± .006	喉27.20 ± 0.10 1.071 ± .010
10	喉22.50 ± 0.15 .886 ± .006	喉24.70 ± 0.10 .972 ± .010
9	喉20.00 ± 0.13 .787 ± .005	喉22.20 ± 0.10 .874 ± .009
8	喉17.50 ± 0.13 .689 ± .005	喉19.70 ± 0.10 .776 ± .009
7	喉15.00 ± 0.13 .591 ± .005	喉17.20 ± 0.10 .677 ± .009
6	喉12.50 ± 0.10 .492 ± .004	喉14.70 ± 0.10 .578 ± .009
5	喉10.00 ± 0.10 .394 ± .004	喉12.20 ± 0.10 .480 ± .008
4	喉7.50 ± 0.10 .295 ± .004	喉9.70 ± 0.10 .382 ± .008
3	喉5.00 ± 0.10 .197 ± .004	喉7.20 ± 0.10 .284 ± .008
2	喉2.50 ± 0.10 .098 ± .004	喉4.70 ± 0.10 .185 ± .008
NO. OF CCTS.	DIMN. A	DIMN. B

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

ECN E00230 COLOUR CHANGE 90.NOV.29 PMMN	REVISIONS	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1° INCH (METRIC) 3 PLACE ± .010 2 PLACE ± .014 ± .025 1 PLACE ± .035 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DESIGN DIMENSION (MM) (PRIMARY) □ IN. EQUIVALENT DIMENSION (MM) (SECONDARY) □ IN.	DRWG BY MCC CHK'D BY APP'D BY SCALE 4:1
---	-----------	---	--

REVISE ONLY ON CAD SYSTEM		2 G 1 J SH. REV.
CAD/CAM FILENAME SA3094X1 DGN		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
TITLE WAFER ASSY, RT. ANGLE (2.50)/.098 CENTRES (0.64)/.025 SQ. PIN		
molex MOLEX EUROPE		SHEET NO. DATE 1 OF 2 9 / 2 / 88
PART NO. SEE CHART	DWG NO. SDAE-3094-N*(*)	SIZE B

A

AE-3094-NT(102)		
PHOS. BRONZE		
(4.00)/.157 ± ^(0.38) _{.015}		
(15.68)/.617		
(3.50)/.138		
(0.76)/.030		
(0.38)/.015		
PART No.	ENG. No.	
NOT TOOLED	AE-3094-	2 T (102)
38-00-1446	↑	3 T ↑
NOT TOOLED		4 T
38-00-1447		5 T
38-00-1448		6 T
38-00-1449		7 T
NOT TOOLED		8 T
NOT TOOLED		9 T
38-00-1450		10 T
NOT TOOLED		11 T
↑		12 T
		13 T
		14 T
		15 T
		16 T
		17 T
		18 T
↓	↓	19 T ↓
NOT TOOLED	AE-3094-	20 T (102)
(0.005)/.0002 MIN. ELECTRO-TIN OVER (0.0025)/.0001 MIN. COPPER		

CAD/CAM FILENAME SA3094K2 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		REV. SH.
TITLE WAFER ASSY, RT. ANGLE (2.50)/.098 CENTRES (0.64)/.025 SQ. PIN				
 MOLEX EUROPE		SHEET NO. 20F2	DATE 5 / 2 / 88	
PART NO. SEE CHART	DWG NO. SDAE-3094-N*(*)		SIZE B	