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**Part Number:** [0022031112](#)  
**Status:** **Active**  
**Description:** 2.50mm (.098") Pitch Header, Single Row, 11.10mm (.437") Mating Pin Length, 11 Circuits

**Documents:**

|                                                         |                                                           |
|---------------------------------------------------------|-----------------------------------------------------------|
| <a href="#">3D Model</a>                                | <a href="#">Product Specification PS-3022-004 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                           | <a href="#">Product Specification PS-99020-0088 (PDF)</a> |
| <a href="#">Product Specification PS-3022-003 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |

**Agency Certification**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

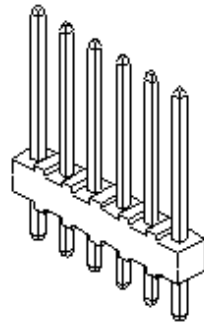
|                |                      |
|----------------|----------------------|
| Product Family | PCB Headers          |
| Series         | <a href="#">3022</a> |
| Application    | Wire-to-Board        |
| Product Name   | N/A                  |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 11              |
| Circuits (maximum)             | 11              |
| 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](mailto: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

3022-11B

**Reference - Drawing Numbers**

Product Specification

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

Sales Drawing

SDAE-3022-NB

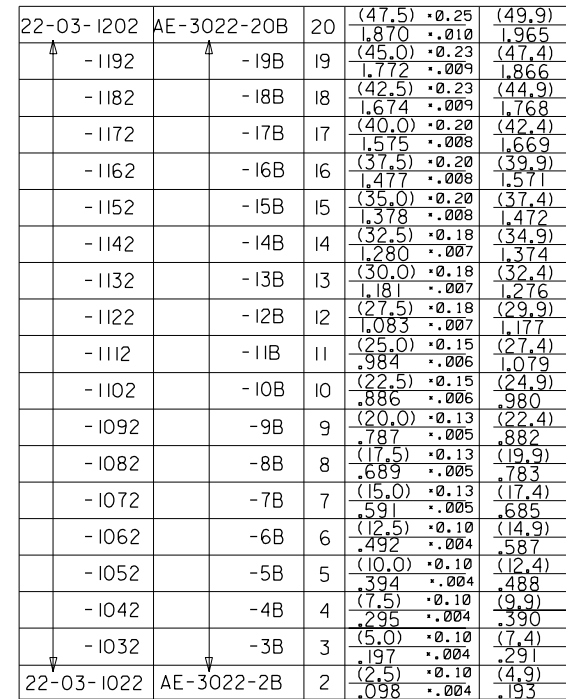
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OWG. NO. SDAE-3022-NB

Diagram illustrating the dimensions and arrangement of a 2x4 array of wafers:

- The array is composed of 8 wafers arranged in 2 rows and 4 columns.
- The total height of the array is labeled as (2.50).
- The total width of the array is labeled as (2.50).
- The height of a single wafer is labeled as 0.098.
- The width of a single wafer is labeled as 0.098.
- The label "STACKABLE SIDE BY SIDE" is positioned above the array.
- The label "STACKABLE END TO END" is positioned below the array.
- The label "C OF WAFER" is positioned to the right of the array, indicating the center of a wafer.



|                                                                                   |                                                  |                                                      |                              |                                                                                                                                |                                                                                      |                                                     |                                                                           |                                      |
|-----------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------|
| REDRAWN ON CAD<br>EC NO. E80290<br>DRAWN: P.MOORE 98/01/29<br>CHK: //<br>APPR: // | QUALITY SYMBOLS<br><br>MAJOR =<br><br>CRITICAL = | GENERAL TOLERANCES: (UNLESS SPECIFIED)               |                              | SCALE 4 : 1                                                                                                                    | DESIGN UNITS<br><input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH | THIRD ANGLE PROJECTION                              | <input checked="" type="checkbox"/> INCH <input type="checkbox"/> MM ONLY | REVISION NO. 1<br>REVISE ON CAD ONLY |
|                                                                                   |                                                  |                                                      | MM                           | INCH                                                                                                                           | DRAWN BY & DATE<br>P.MOORE 98/01/29                                                  | TITLE:<br>WAFER-FLAT KK (2.5)/.098<br>0.025 SQ. PIN |                                                                           |                                      |
|                                                                                   |                                                  | 4 PLACES                                             | ±0.                          | ±.                                                                                                                             | CHECKED BY & DATE<br>O.COSTEL 98/04/08                                               |                                                     |                                                                           |                                      |
|                                                                                   |                                                  | 3 PLACES                                             | ±0.                          | ±.008                                                                                                                          | APPROVED BY & DATE<br>M.WILHIT 98/04/08                                              | MOLEX INCORPORATED                                  |                                                                           |                                      |
| 2 PLACES                                                                          | ±0.2                                             | ±.016                                                | CAD FILENAME<br>SD3022NB.DGN | MATERIAL NO.<br>SEE CHART                                                                                                      | DRAWING NO.<br>SDAE-3022 -NB                                                         |                                                     |                                                                           |                                      |
| C                                                                                 | REV                                              | 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. |                                                                                      |                                                     |                                                                           |                                      |
|                                                                                   |                                                  |                                                      |                              | SIZE R                                                                                                                         |                                                                                      |                                                     |                                                                           |                                      |

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MOLEX INCORPORATED

|              |               |
|--------------|---------------|
| MATERIAL NO. | DRAWING NO.   |
| SEE CHART    | SDAE-3022 -NB |

SHEET NO.  
1 OF 1