

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022031091](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Single Row, 7.50mm (.295") Mating Pin Length, 9 Circuits

Documents:

| | |
|---|---|
| 3D Model | Product Specification PS-3022-002 (PDF) |
| Drawing (PDF) | Product Specification PS-99020-0088 (PDF) |
| Product Specification PS-3022-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

UL E29179

General

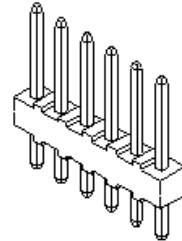
| | |
|----------------|----------------------|
| Product Family | PCB Headers |
| Series | 3022 |
| Application | Wire-to-Board |
| Product Name | N/A |

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 9 |
| Circuits (maximum) | 9 |
| 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
[3024](#) , [5224](#)

Solder Process Data

| | |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5 |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature | 1 |
| Process Temperature max. C | 230 |

Material Info

| | |
|-----------------|----------|
| Old Part Number | 3022-09A |
|-----------------|----------|

Reference - Drawing Numbers

| | |
|-----------------------|---|
| Product Specification | PS-3022-001, PS-3022-002, PS-99020-0088 |
| Sales Drawing | SD-3022-NA, SDAE-3022-NA-* |

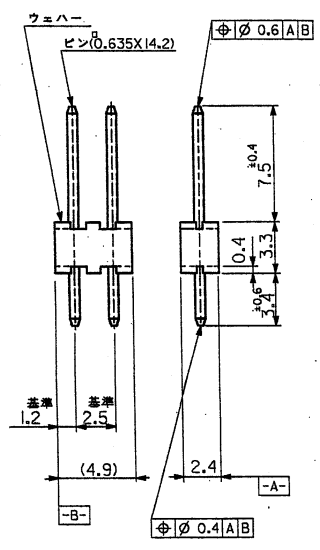
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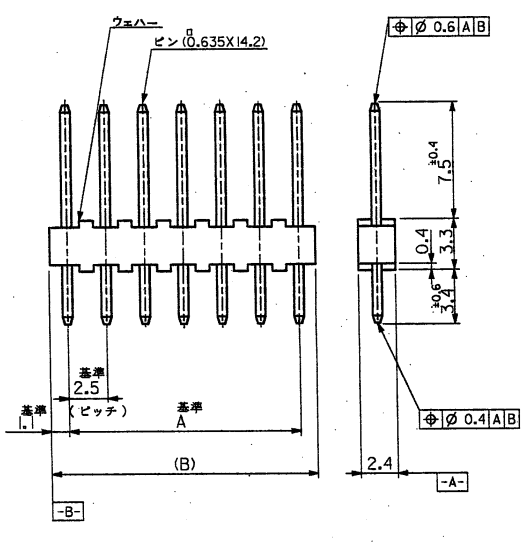
ENG. NO. SD -3022-NA

EDP NO. 22-03-1**1

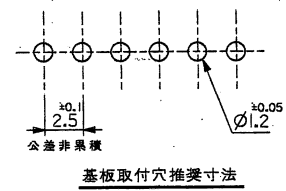
1MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



2 極



3 極 ~ 20 極



NOTES:

- 1.ウェハーのソリは、長さ25.4mmに対して0.2mmMAX.
- 2.() 内寸法は参考値。

| | | |
|-------------------------|-------|--|
| 角度 ANGLE | 3° | |
| 30 以上 OVER | ±0.3 | |
| 10 以上 30 未満 | ±0.25 | |
| 10 未満 UNDER | ±0.2 | |
| 一般公差 GENERAL TOLERANCES | | |

| | | | | |
|------|------|-------------|----------|----|
| 47.5 | 49.7 | 22-03 -1201 | 3022-20A | 20 |
| 45 | 47.2 | -1191 | -19A | 19 |
| 42.5 | 44.7 | -1181 | -18A | 18 |
| 40 | 42.2 | -1171 | -17A | 17 |
| 37.5 | 39.7 | -1161 | -16A | 16 |
| 35 | 37.2 | -1151 | -15A | 15 |
| 32.5 | 34.7 | -1141 | -14A | 14 |
| 30 | 32.2 | -1131 | -13A | 13 |
| 27.5 | 29.7 | -1121 | -12A | 12 |
| 25 | 27.2 | -1111 | -11A | 11 |
| 22.5 | 24.7 | -1101 | -10A | 10 |
| 20 | 22.2 | -1091 | -09A | 9 |
| 17.5 | 19.7 | -1081 | -08A | 8 |
| 15 | 17.2 | -1071 | -07A | 7 |
| 12.5 | 14.7 | -1061 | -06A | 6 |
| 10 | 12.2 | -1051 | -05A | 5 |
| 7.5 | 9.7 | -1041 | -04A | 4 |
| 5 | 7.2 | -1031 | -03A | 3 |
| 2.5 | 4.9 | 22-03 -1021 | 3022-02A | 2 |
| A | (B) | EDP. NO | ENG. NO. | 極数 |

| | |
|---|--|
| 材料 MATERIAL ウェハー: 66ナイロン, UL94V-0 ピン: 黄銅, 銅下付銅メッキ | MOLEX MOLEX-JAPAN CO., LTD. 日本モレックス株式会社 |
| 仕上げ FINISH — | EDP. NO. 22 - 03 - 1**1 |
| 適用電線範囲 WIRE RANGE — | ENG. NO. SD -3022-NA |
| 設置外装 INS. RANGE — | REV N |
| 図号 LTR REVISION RECORD | TITLE 名称 KK 2.5 WAFER ASS'Y |
| DATE 11/6/95 | CHK'D BY K. KAMATA |
| DR. CHK. REVISION RECORD | SCALE 4 - 1 |

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