

## Data sheet | Item number: 2092-1304

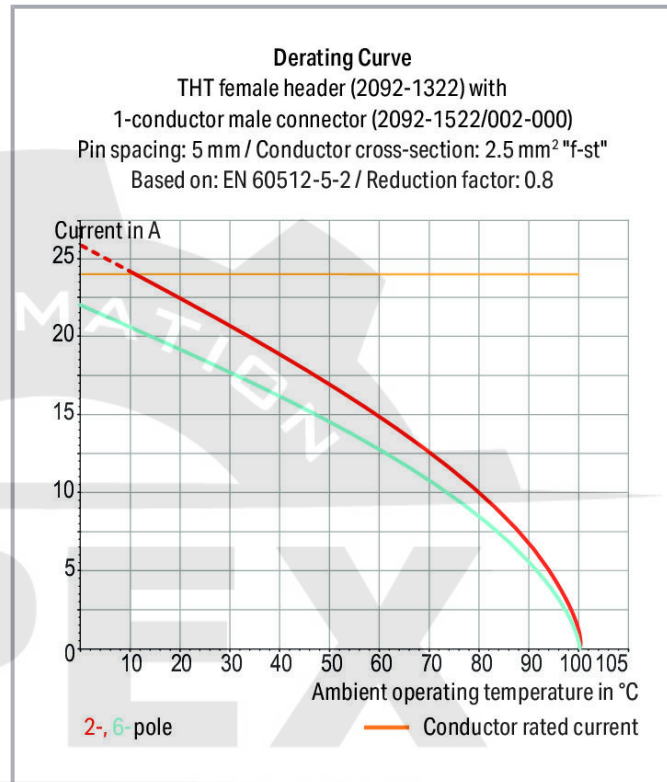
THT female header; straight; Pin spacing 5 mm; 4-pole; 0.4 x 1.3 mm solder pin; light gray

[www.wago.com/2092-1304](http://www.wago.com/2092-1304)



 Picture differs from the item.

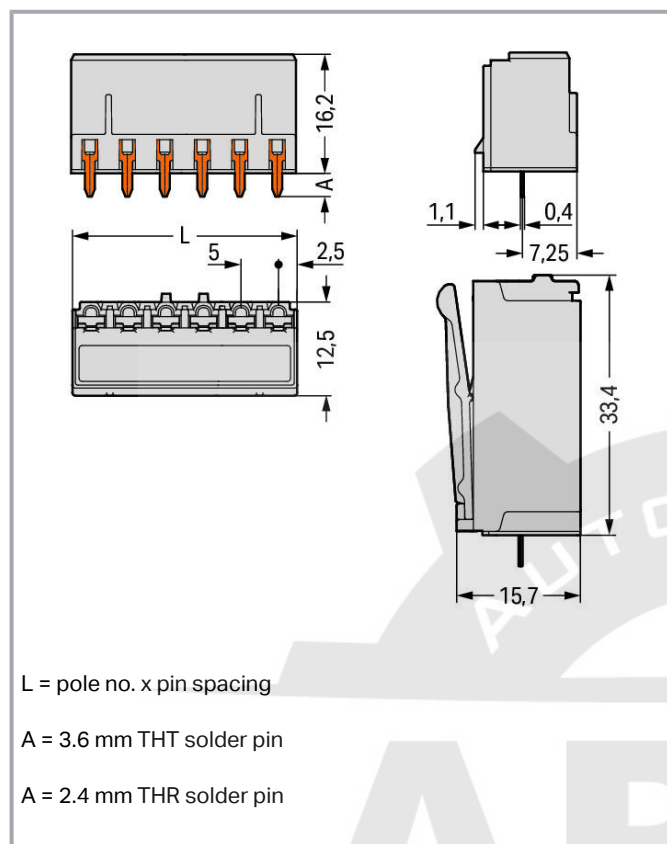
Color: 



Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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L = pole no. x pin spacing

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

## Item description

- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- Coding option available

## Safety information 1:

The **picoMAX® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Data

### Electrical data

### IEC Approvals

Ratings per

IEC/EN 60664-1

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|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Rated voltage (III / 3)     | 250 V                                                                |
| Rated surge voltage (III/3) | 4 kV                                                                 |
| Rated voltage (III/2)       | 320 V                                                                |
| Rated surge voltage (III/2) | 4 kV                                                                 |
| Nominal voltage (II/2)      | 630 V                                                                |
| Rated surge voltage (II/2)  | 4 kV                                                                 |
| Rated current               | 16 A                                                                 |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

## UL Approvals

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 15 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

## Connection data

|                            |   |
|----------------------------|---|
| Pole No.                   | 4 |
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5 mm / 0.197 inch        |
| Width                                | 20 mm / 0.787 inch       |
| Height                               | 19.8 mm / 0.78 inch      |
| Height from the surface              | 16.2 mm / 0.638 inch     |
| Depth                                | 13.6 mm / 0.535 inch     |
| Solder pin length                    | 3.6 mm                   |
| Solder pin dimensions                | 0.4 x 1.3 mm             |
| Drilled hole diameter with tolerance | 1.5 <sup>(+0.1)</sup> mm |

## Plug-in connection

|                                    |               |
|------------------------------------|---------------|
| Contact type (pluggable connector) | Female header |
| Connector (connection type)        | for PCB       |
| Mismating protection               | No            |

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|                               |         |
|-------------------------------|---------|
| Mating direction to the PCB   | 90°     |
| Locking of plug-in connection | Without |

## PCB contact

|             |     |
|-------------|-----|
| PCB Contact | THT |
|-------------|-----|

## Material data

|                             |                          |
|-----------------------------|--------------------------|
| Color                       | light gray               |
| Material group              | I                        |
| Insulation material         | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0                       |
| Contact material            | Copper alloy             |
| Contact plating             | tin-plated               |
| Fire load                   | 0.092 MJ                 |
| Weight                      | 3.8 g                    |

## Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 26 (picoMAX)  |
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4050821163657 |
| Customs tariff number | 8536694040    |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2                    | 2362521          |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2362521          |

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KEMA/KEUR  
DEKRA Certification B.V.

EN 61984

71-  
102261  
REV.1

## UL-Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name    |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|---------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                  | E45172-<br>20100415 |
|  | UL<br>Underwriters Laboratories Inc.    | UL 1977                  | 20190909-<br>E45171 |

## Counterpart

|                                                                                    |                                                                                                                                                                                        |                                                                                    |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|    | Item no.2092-1524/002-000<br>1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; Integrated release lever; 2,50 mm²; light gray                        | <a href="http://www.wago.com/2092-1524/002-000">www.wago.com/2092-1524/002-000</a> |
|  | Item no.2092-1524/020-000<br>1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; Snap-in mounting feet; Integrated release lever; 2,50 mm²; light gray | <a href="http://www.wago.com/2092-1524/020-000">www.wago.com/2092-1524/020-000</a> |
|  | Item no.2092-1504/002-000<br>1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; Gripping plate; 2,50 mm²; light gray                                  | <a href="http://www.wago.com/2092-1504/002-000">www.wago.com/2092-1504/002-000</a> |

## Downloads

## Documentation

## Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>2.0 MB | Download |
|------------------------|-------------|---------------|----------|

## CAD files

## PCB Design

|                                                                                                                                                                     |     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Symbol and Footprint 2092-1304                                                                                                                                      | URL | Download |
| CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment. |     |          |

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**Supported formats:**

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

**CAD data**

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| 2D/3D Models 2092-1304 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

**CAE data**

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2092-1304 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

**Environmental Product Compliance****Compliance Search**

|                                            |                     |                          |
|--------------------------------------------|---------------------|--------------------------|
| Environmental Product Compliance 2092-1304 | <a href="#">URL</a> | <a href="#">Download</a> |
|--------------------------------------------|---------------------|--------------------------|

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THT female header; straight; Pin spacing 5 mm; 4-pole; 0.4 x 1.3 mm solder pin; light gray

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## Installation Notes

## Product family

*picoMAX*<sup>®</sup> 5.0

Show all products from the family



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