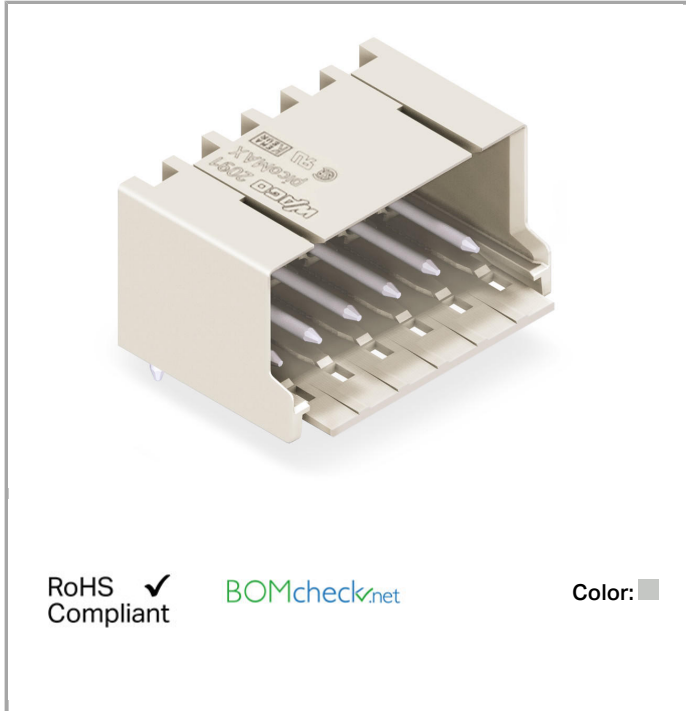


## Data sheet | Item number: 2091-1422/200-000

THR male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 2-pole



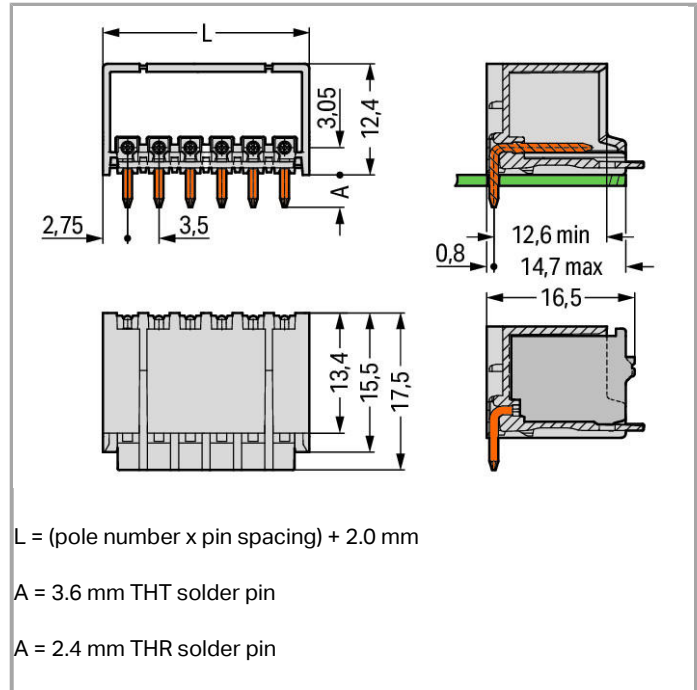
[www.wago.com/2091-1422/200-000](http://www.wago.com/2091-1422/200-000)



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



### Item description

- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header
- Coding pins inserted into the header interface prevent mismatching, allowing subsequent coding in panel feedthrough applications
- The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

|                                 |   |
|---------------------------------|---|
| Rated voltage (III / 3)         | 160 V   |
| Rated impulse voltage (III / 3) | 2.5 kV  |
| Rated voltage (III / 2)         | 160 V   |
| Rated impulse voltage (III / 2) | 2.5 kV  |
| Rated voltage (II / 2)          | 320 V   |
| Rated impulse voltage (II / 2)  | 2.5 kV  |
| Rated current                   | 10 A  |
| Legend (ratings)                | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |



## Connection data

|                            |   |
|----------------------------|---|
| No. of poles               | 2 |
| Total number of potentials | 2 |
| Number of levels           | 1 |

## Geometrical Data

|                                    |                           |
|------------------------------------|---------------------------|
| Pin spacing                        | 3.5 mm (0.138 inch)       |
| Width                              | 9 mm / 0.354 inch         |
| Height                             | 14.8 mm / 0.583 inch      |
| Height from the surface            | 12.4 mm / 0.488 inch      |
| Depth                              | 17.5 mm / 0.689 inch      |
| Solder pin length                  | 2.4 mm                    |
| Solder pin diameter                | 1 mm                      |
| Plated through-hole diameter (THR) | 1.2 <sup>(+ 0.1)</sup> mm |

## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type          | for PCBs            |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 0°                  |
| Locking of plug-in connection      | Male locking latch  |

## PCB contact

|             |     |
|-------------|-----|
| PCB contact | THR |
|-------------|-----|

## Material Data

|                             |                           |
|-----------------------------|---------------------------|
| Color                       | light gray                |
| Material group              | I                         |
| Insulating material         | Polyphthalamide (PPA GF)  |
| Flammability class per UL94 | V0                        |
| Contact material            | Electrolytic copper (Ecu) |
| Contact plating             | tin-plated                |
| Fire load                   | 0.022 MJ                  |
| Weight                      | 0.93 g                    |

## Environmental Requirements


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

## Commercial data



|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821396215 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo   | Approval                                     | Certificate name |
|--|--|------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.        | NL-49736         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | 71-102260        |

### UL-Approvals

| Logo   | Approval                                    | Certificate name |
|--|---|------------------|
|   | <b>UR</b><br>Underwriters Laboratories Inc. | E45172           |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | E45171           |

## Compatible products

### Coding

|  |  |  |
|--|--|--|
|  | Item no.: 2091-1610<br>Coding key carrier; suitable for 3.5 mm pin spacing | <a href="http://www.wago.com/2091-1610">www.wago.com/2091-1610</a> |
|--|--|--|

## Downloads

### smartDATA

#### PCB libraries

|  |                      |               |          |
|--|----------------------|---------------|----------|
| TARGET Library for WAGO picoMAX®<br>Compatible with TARGET PCB Design Software Version 17.x    | 1.1.0<br>Oct 6, 2014 | ZIP<br>2.4 MB | Download |
| DesignSpark Library for WAGO picoMAX®<br>Compatible with DesignSpark PCB Version 4.x or higher | 2.1<br>Oct 6, 2014   | ZIP<br>2.0 MB | Download |



EAGLE Library for WAGO picoMAX®

2.1  
Nov 17, 2017

ZIP  
1.9 MB

[Download](#)

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#### CAD data

3D Download 2091-1422/200-000

[URL](#)

[Download](#)

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#### Product family

##### **picoMAX**

[Learn more about the product family.](#)

[Show all products from the family](#)

Subject to changes.

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WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.