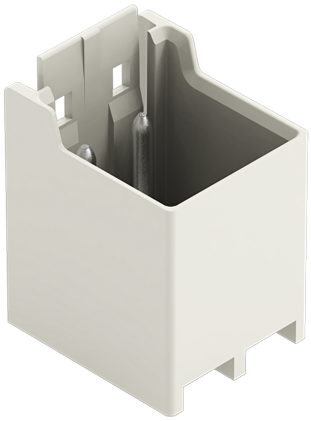
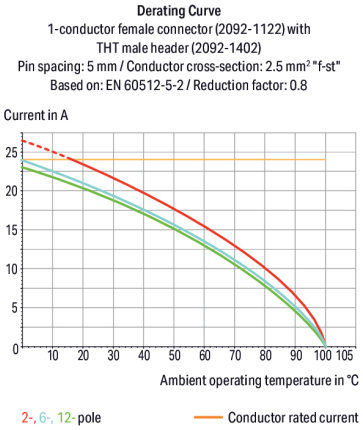
# Data Sheet | Item Number: 2092-1402

THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 2-pole; light gray

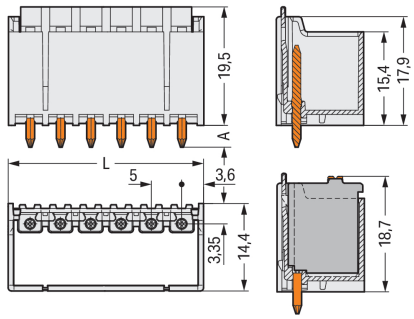
https://www.wago.com/2092-1402






Color: light gray

Similar to illustration




Dimensions in mm
L = (pole no. x pin spacing) + 2.2 mmA = 3.6 mm THT solder pinA = 2.4 mm THR solder pin

Male connector, 2092 Series, with 5 mm pin spacing

This male connector (item number 2092-1402) simplifies electrical installations. Dimensions: (12.2 x 23.1 x 14.4) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to solder the pcb connector.

## Notes

| | |
|---|---|
| Safety Information | 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.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. |
| Variants: | Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/. |

## Electrical data

| Ratings per | IEC/EN 60664-1 | | |
|---|---|---|---|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 250 V | 320 V | 630 V |
| Rated impulse withstand voltage | 4 kV | 4 kV | 4 kV |
| Rated current | 16 A | 16 A | 16 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 15 A | - | 10 A |

## Connection Data

| | |
|---|---|
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Pole number | 2 |

## Physical data

| | |
|---|---|
| Pin spacing | 5 mm / 0.197 inches |
| Width | 12.2 mm / 0.48 inches |
| Height | 23.1 mm / 0.909 inches |
| Height from the surface | 19.5 mm / 0.768 inches |
| Depth | 14.4 mm / 0.567 inches |
| Solder pin length | 3.6 mm |
| Solder pin diameter | 1.4 mm |
| Drilled hole diameter | 1.6 $^{(+0.1)}$ mm |

## Mechanical data

| | |
|---|---|
| Variable coding | Yes |
| Suitable | suitable for Single Pair Ethernet (SPE) |
| Anti-rotation protection | Yes |

## Plug-in connection

| | |
|---|---|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for PCB |
| Mismating protection | No |
| Plugging without loss of pin spacing | Yes |
| Mating direction to the PCB | 90 ° |
| Locking of plug-in connection | Locking latch |

## PCB contact

| | |
|---|---|
| PCB contact | THT |


Continued on next page

## Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material (main housing) | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper ($E_{Cu}$) |
| Contact Plating | Tin |
| Fire load | 0.017 MJ |
| Weight | 1.6 g |

## Environmental requirements

| | |
|---|---|
| Limit temperature range | -60 … +100 °C |
| Processing temperature | -35 … +60 °C |

## Commercial data

| | |
|---|---|
| Product Group | 26 (picoMAX Connectors) |
| PU (SPU) | 200 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821163831 |
| Customs tariff number | 85366930000 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-44-04-02 |
| eCl@ss 9.0 | 27-44-04-02 |
| ETIM 9.0 | EC002637 |
| ETIM 10.0 | EC002637 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CB<br>DEKRA Certification B.V. | IEC 61984 | NL-89885 |
| CSA<br>CSA Group | C22.2 | 2362521 |
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 2362521 |
| cURus<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984 | 71-129874 |

### General approvals

| | | |
|---|---|---|
| UL<br>Underwriters Laboratories Inc. | UL 1977 | E45171 |


Continued on next page

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 2092-1402

### Documentation

**Additional Information**

| | | |
|---|---|---|
| Technical Section | 03.04.2019 | pdf 2027.26 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 2092-1402

**CAE data**

ZUKEN Portal 2092-1402

**PCB Design**

Symbol and Footprint via SamacSys 2092-1402

Symbol and Footprint via Ultra Librarian 2092-1402

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



Item No.: 2092-1122
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 2,50 mm²; light gray



Item No.: 2092-1122/000-1000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; direct marking; 2,50 mm²; light gray



Item No.: 2092-1122/000-5000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; direct marking; 2,50 mm²; light gray



Item No.: 2092-1102/002-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; Gripping plate sliding connector release; 2,50 mm²; light gray



Item No.: 2092-1102/002-1000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; Gripping plate sliding connector release; direct marking; 2,50 mm²; light gray



Item No.: 2092-1102
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; Gripping plate; 2,50 mm²; light gray



Item No.: 2092-1102/000-1000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; Gripping plate; direct marking; 2,50 mm²; light gray



Item No.: 2092-1102/000-5000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; Gripping plate; direct marking; 2,50 mm²; light gray


Continued on next page

## 1.2 Optional Accessories

### 1.2.1 Coding

#### 1.2.1.1 Coding



Item No.: 2092-1610
Coding key carrier; orange

## Installation Notes

### Coding



Coding a male header (via coding key carrier and two keys for male header, see symbol).