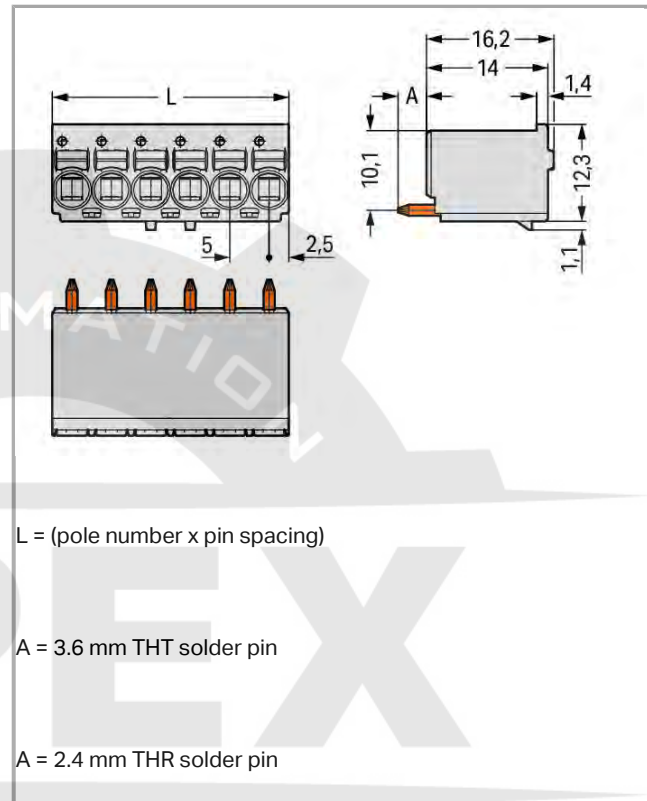


## Data sheet | Item number: 2092-1155

1-conductor THT female header; 1.4 mm Ø solder pin; straight; Gripping plate; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole



2092-1155



RoHS Compliant

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

Color:

### Item description

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools

- Ability to wire while mated or unmated
- Integrated test ports for testing parallel to conductor entry
- Custom-installed solder pins

#### Safety information 1:

The **picoMAX<sup>®</sup> pluggable connection system** is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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

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

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 250 V |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated voltage (III / 2)         | 320 V |
| Rated impulse voltage (III / 2) | 4 kV  |
| Rated voltage (II / 2)          | 630 V |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 16 A  |

#### 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

|                                                             |                                             |
|-------------------------------------------------------------|---------------------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP <sup>®</sup>             |
| Actuation type                                              | Push-button                                 |
| Solid conductor                                             | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor                                     | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 1.5 mm <sup>2</sup>                |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 2.5 mm <sup>2</sup>                |
| Strip length                                                | 9 ... 10 mm / 0.35 ... 0.39 inch            |
| Conductor entry angle to the PCB                            | 90°                                         |
| No. of poles                                                | 5                                           |
| Total number of connection points                           | 5                                           |
| Total number of potentials                                  | 5                                           |
| Number of connection types                                  | 1                                           |

|                  |   |
|------------------|---|
| Number of levels | 1 |
|------------------|---|

## Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 5 mm / 0.197 inch              |
| Width                             | 25 mm / 0.984 inch             |
| Height                            | 39 mm / 1.535 inch             |
| Depth                             | 13.4 mm / 0.528 inch           |
| Solder pin length                 | 3.6 mm                         |
| Solder pin diameter               | 1.4 mm                         |
| Drilled hole diameter (tolerance) | 1.6 <sup>(- ... +0.1)</sup> mm |

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for PCBs                |
| Mismating protection               | No                      |
| Mating direction to the PCB        | 90°                     |

## PCB contact

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

## Material Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | light gray                             |
| Material group              | I                                      |
| Insulating material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.122 MJ                               |
| Weight                      | 6.049 g                                |

## Environmental Requirements



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

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 26 (picoMAX)  |
| Country of origin  | DE            |
| GTIN               | 4050821163589 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

## UL-Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | UR<br>Underwriters Laboratories Inc.    | UL 1977                  | 20170428-E45171  |

## Compatible products

## tools



Item no.: 210-719  
Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

## check



Item no.: 735-500  
Test pin; 1 mm Ø; with solder connection for test wire

735-500

## Downloads

## Documentation

## Additional Information

pdf  
3.6 MB

Download

## Product family

picoMAX eCOM  
[Show all products from the family](#)

Subject to changes.