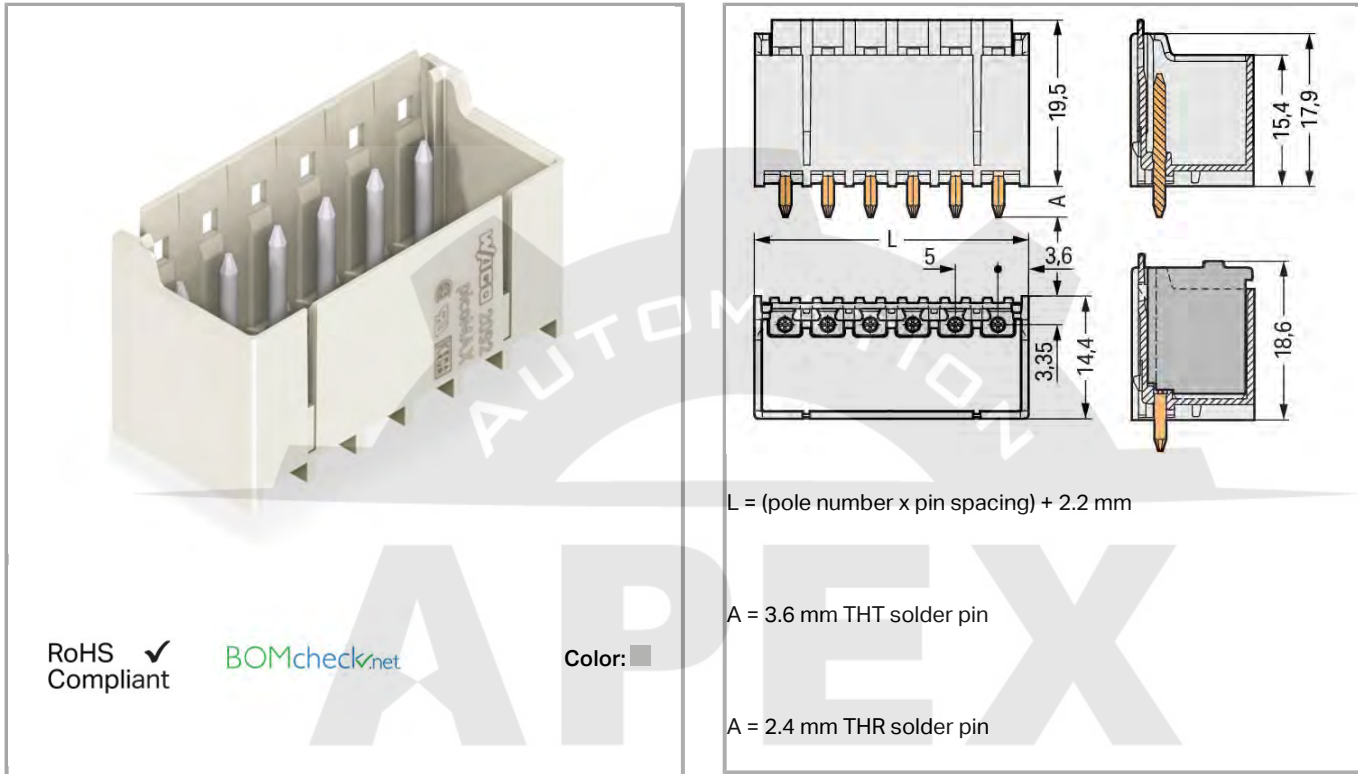


## Data sheet | Item number: 2092-1408/200-000

THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 8-pole;  
light gray



2092-1408\_200-000



### 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 mismating, 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

### Safety information 1:

The **picoMAX® 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 |

#### Connection data

|                            |   |
|----------------------------|---|
| Total number of potentials | 8 |
| Number of connection types | 1 |
| Number of levels           | 1 |
| No. of poles               | 8 |

#### Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Pin spacing             | 5 mm / 0.197 inch    |
| Width                   | 42.2 mm / 1.661 inch |
| Height                  | 21.9 mm / 0.862 inch |
| Height from the surface | 19.5 mm / 0.768 inch |
| Depth                   | 14.4 mm / 0.567 inch |
| Solder pin length       | 2.4 mm               |
| Solder pin diameter     | 1.4 mm               |

#### Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type          | for PCBs            |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 90°                 |
| 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 (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.089 MJ                               |
| Weight                      | 4.48 g                                 |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821395669 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Radio-Approvals

| Logo                                                                               | Approval                                     | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.        | IEC 61984                | NL-49737         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | IEC 61984                | 71-102261        |

### Country specific Approvals

| Logo                                                                               | Approval                                     | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.        | IEC 61984                | NL-49737         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | IEC 61984                | 71-102261        |

### Other Approvals

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



Underwriters Laboratories Inc.

#### 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  |

#### Downloads

##### Documentation

##### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>3.6 MB | Download |
|------------------------|-------------|---------------|----------|

#### CAD/CAE - Smart Data

##### CAD data

|                               |     |          |
|-------------------------------|-----|----------|
| 3D Download 2092-1408/200-000 | URL | Download |
|-------------------------------|-----|----------|

#### Product family

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

Subject to changes.