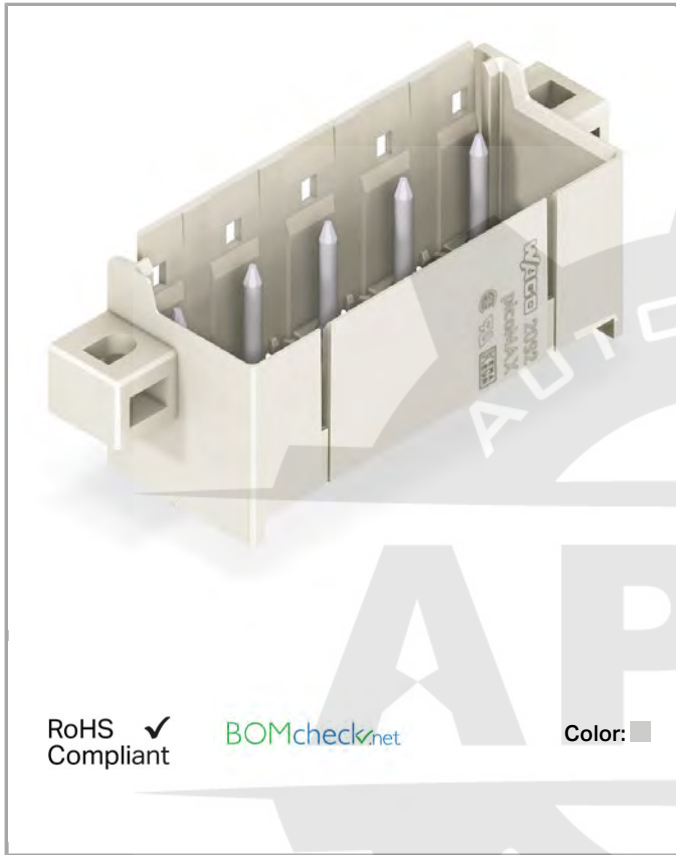


## Data sheet | Item number: 2092-3404/205-000

THT male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 7.5 mm; 4-pole; light gray



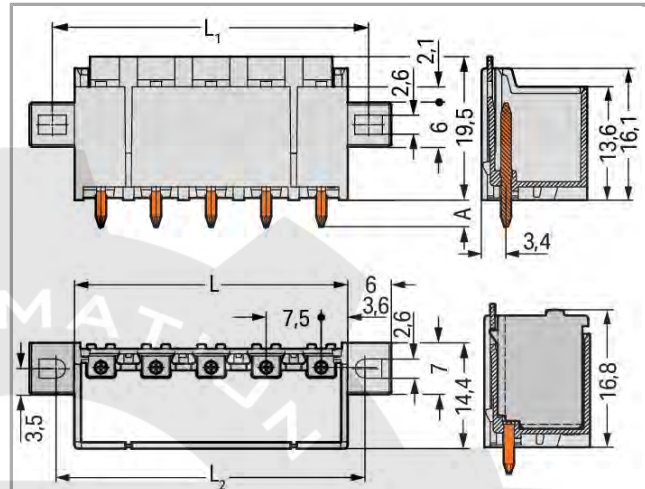
2092-3404\_205-000



RoHS Compliant

BOMcheck.net

Color:



$L = (\text{pole no.} - 1) \times \text{pin spacing} + 7.2 \text{ mm}$

$L_1 = (\text{pole no.} \times \text{pin spacing}) + 5.5 \text{ mm}$

$L_2 = (\text{pole no.} \times \text{pin spacing}) + 4.5 \text{ mm}$

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

### 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

### 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)         | 400 V |
| Rated impulse voltage (III / 3) | 6 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 | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |
| No. of poles               | 4 |

#### Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Pin spacing             | 7.5 mm / 0.295 inch  |
| Width                   | 41.7 mm / 1.642 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               |

#### Mechanical data

|                  |                                         |
|------------------|-----------------------------------------|
| Mounting type    | Mounting flange                         |
| Type of mounting | Feed-through mounting<br>Panel mounting |

#### 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                   | 0.08 MJ                                |
| Weight                      | 3.41 g                                 |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4050821396611 |
| 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. | EN 61984                 | 71-<br>102261    |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | IEC 61984                | 71-<br>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. | EN 61984, 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><br>Underwriters Laboratories Inc.    | UL 1977                  | E45171           |

#### UL-Approvals

| Logo                                                                               | Approval                                       | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | <b>UR</b><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 2092-3404/205-000 | URL | Download |
|-------------------------------|-----|----------|

Product family

picoMAX

Show all products from the family



Subject to changes.

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