

## Data sheet | Item number: 2092-3424

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 4-pole

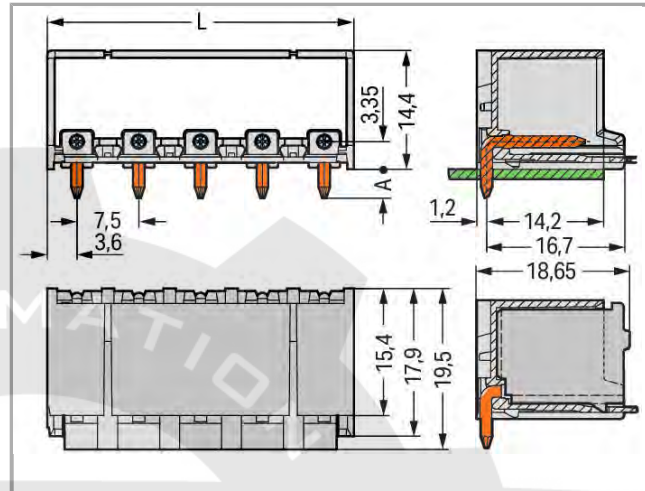


2092-3424



RoHS   
Compliant

Color:



$L = (\text{pole number} - 1) \times \text{pin spacing} + 7.2 \text{ mm}$

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)         | 630 V  |
| Rated impulse voltage (III / 2) | 6 kV   |
| Rated voltage (II / 2)          | 1000 V |
| Rated impulse voltage (II / 2)  | 6 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

|                            |   |
|----------------------------|---|
| No. of poles               | 4 |
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 7.5 mm / 0.295 inch            |
| Width                             | 29.7 mm / 1.169 inch           |
| Height                            | 18 mm / 0.709 inch             |
| Height from the surface           | 14.4 mm / 0.567 inch           |
| Depth                             | 19.5 mm / 0.768 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) | 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 | THT |
|-------------|-----|

## 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                   | 0.067 MJ                               |
| Weight                      | 3.14 g                                 |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 26 (picoMAX)  |
| Country of origin  | DE            |
| GTIN               | 4050821164692 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|                                                                                    | CB<br>DEKRA Certification B.V.        | IEC 61984                | NL-49737         |
|  | CSA<br>DEKRA Certification B.V.       | C22.2                    | 2362521          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                 | 71-<br>102261    |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | IEC 61984                | 71-<br>102261    |

### UL-Approvals

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



|                                |         |                 |
|--------------------------------|---------|-----------------|
| UR                             | UL 1977 | 20170428-E45171 |
| Underwriters Laboratories Inc. |         |                 |

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Documentation  
Additional Information

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CAD/CAE - Smart Data  
CAD data

|                       |     |          |
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Product family

picoMAX  
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Subject to changes.