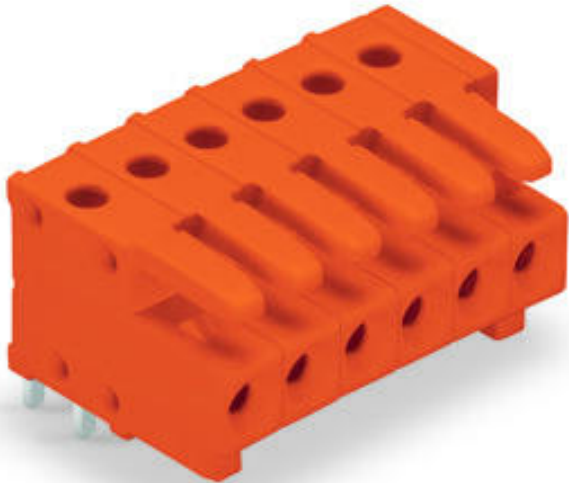


## Data sheet | Item number: 734-576

THT female header; 0.9 x 0.9 mm solder pin; angled; 100% protected against  
mismatching; Pin spacing 3.81 mm; 16-pole



734-576



RoHS   
Compliant

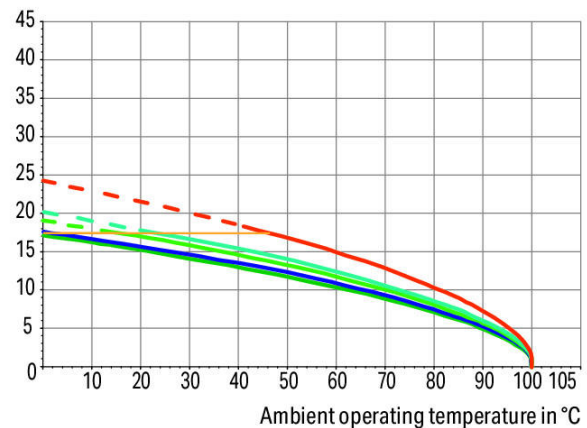
[BOMcheck.net](https://www.bomcheck.net)

Color:

### Derating Curve

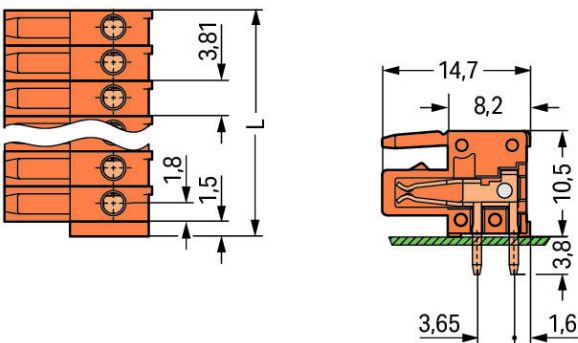
THT female header (734-532) with  
1-conductor male connector (734-302)  
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



2-, 4-, 6-, 12-, 24-pole

Conductor rated current



$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$

## Item description



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Integrated test ports for 2 mm Ø test plugs
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify inputs and outputs
- 100% protected against mismatching
- Coding via coding fingers

**Safety information 1:**

The *MULTI CONNECTION SYSTEM (MCS)* 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)         | 160 V  |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2)         | 160 V  |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 10 A   |

**Approvals per UL 1059**

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

**Approvals per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 10 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

**Connection data**

|              |    |
|--------------|----|
| No. of poles | 16 |
|--------------|----|



|                                   |    |
|-----------------------------------|----|
| Total number of connection points | 16 |
| Total number of potentials        | 16 |
| Number of connection types        | 1  |
| Number of levels                  | 1  |

## Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 3.81 mm / 0.15 inch            |
| Width                             | 62.46 mm / 2.459 inch          |
| Height                            | 14.3 mm / 0.563 inch           |
| Height from the surface           | 10.5 mm / 0.413 inch           |
| Depth                             | 14.65 mm / 0.577 inch          |
| Solder pin length                 | 3.8 mm                         |
| Solder pin dimensions             | 0.9 x 0.9 mm                   |
| Drilled hole diameter (tolerance) | 1.4 <sup>(- ... +0.1)</sup> mm |

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for PCBs                |
| Mismating protection               | Yes                     |
| Mating direction to the PCB        | 0°                      |

## PCB contact

|                                     |                                           |
|-------------------------------------|-------------------------------------------|
| PCB contact                         | THT                                       |
| Solder pin arrangement              | over the entire female connector, in line |
| Number of solder pins per potential | 1                                         |

## Material Data

|                             |                      |
|-----------------------------|----------------------|
| Color                       | orange               |
| Material group              | I                    |
| Insulating material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Contact material            | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.176 MJ             |
| Weight                      | 9.71 g               |

## Environmental Requirements

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

**Commercial data**

|                    |                        |
|--------------------|------------------------|
| Product Group      | 3 (Multi Conn. System) |
| Country of origin  | DE                     |
| GTIN               | 4045454121129          |
| Customs Tariff No. | 85366990990            |

**Downloads****CAD/CAE - Smart Data****CAD data**

|                     |     |          |
|---------------------|-----|----------|
| 3D Download 734-576 | URL | Download |
|---------------------|-----|----------|

**PCB libraries**

|                                                                                                                                              |                      |               |          |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|----------|
| EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Oct 6, 2014   | zip<br>6.2 MB | Download |
| DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)<br>Compatible with DesignSpark PCB Version 4.x or higher     | 2.1<br>Oct 6, 2014   | zip<br>6.1 MB | Download |
| TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System)<br>Compatible with TARGET PCB Design Software Version 17.x        | 1.1.0<br>Oct 6, 2014 | zip<br>7.4 MB | Download |

Subject to changes.