

## Fișă tehnică | Număr articol: 734-538

THT female header; 0.9 x 0.9 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 8-pole; light gray

[www.wago.com/734-538](http://www.wago.com/734-538)



RoHS  
Compliant

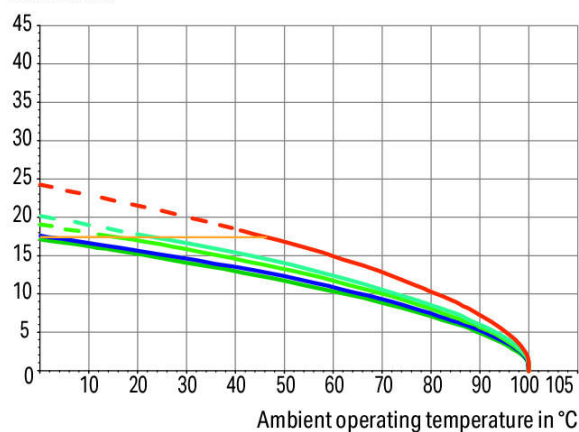
BOMcheck.net

Culoare: ■

### 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



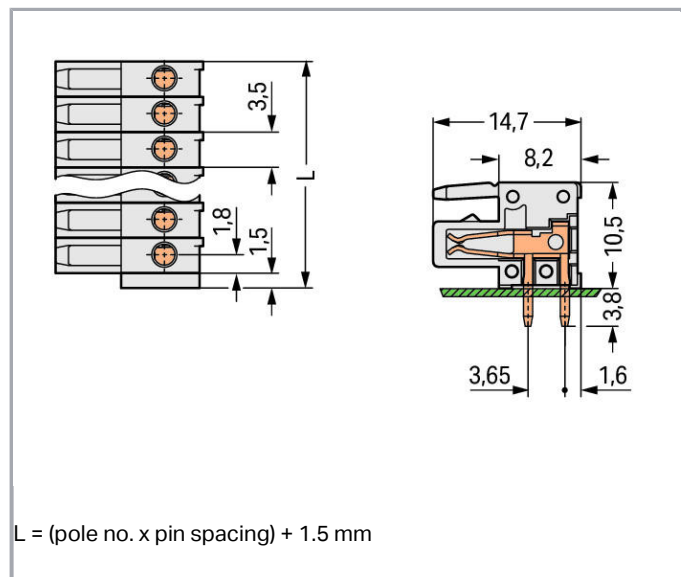
2-, 4-, 6-, 12-, 24-pole

Conductor rated current

Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- 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 mismating
- 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.

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1 |
|-----------------------------|----------------|
| Nominal voltage (III/3)     | 160 V          |
| Rated surge voltage (III/3) | 2,5 kV         |
| Rated voltage (III/2)       | 160 V          |

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|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Rated surge voltage (III/2) | 2,5 kV                                                               |
| Nominal voltage (II/2)      | 320 V                                                                |
| Rated surge voltage (II/2)  | 2,5 kV                                                               |
| Rated current               | 10 A                                                                 |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

### 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                  | UL 1059 |

### 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

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

### Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inch      |
| Width                                | 29.5 mm / 1.161 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 with tolerance | 1.4 <sup>(+0.1)</sup> mm |

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## 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                       | light gray           |
| Material group              | I                    |
| Insulation material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Contact material            | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0,067 MJ             |
| Weight                      | 4,3 g                |

## Environmental Requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | DE                     |
| GTIN                  | 4045454120634          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate

### Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---------|----------|------------------------------|-----------------|
|         | CSA      | C22.2                        | 1465035         |

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DEKRA Certification B.V.



KEMA/KEUR

DEKRA Certification B.V.

EN 61984

71-

105522

## Ship Approvals

| Emblemă                                                                           | Aprobare                                                | Text de aprobare suplimentar | Nume certificat  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------|------------------|
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE000016Z       |
|  | <b>LR</b><br>Lloyds Register                            | IEC 61984                    | 96/20035<br>(E5) |

## UL-Approvals

| Emblemă                                                                            | Aprobare                                    | Text de aprobare suplimentar | Nume certificat     |
|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|---------------------|
|  | <b>UL</b><br>UL International Germany GmbH  | UL 1977                      | 20150318-<br>E45171 |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                      | 20190122-<br>E45172 |

## Counterpart



## Nr. articol 734-308

1-conductor male connector; 100% protected against mismatching; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 1,50 mm<sup>2</sup>; light gray[www.wago.com/734-308](http://www.wago.com/734-308)

## Nr. articol 734-308/019-000

1-conductor male connector; 100% protected against mismatching; clamping collar; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 1,50 mm<sup>2</sup>; light gray[www.wago.com/734-308/019-000](http://www.wago.com/734-308/019-000)

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## Descărcări Documentation

### Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

## CAD/CAE-Data

### CAD data

|                      |     |            |
|----------------------|-----|------------|
| 2D/3D Models 734-538 | URL | Descărcare |
|----------------------|-----|------------|

### CAE data

|                           |     |            |
|---------------------------|-----|------------|
| EPLAN Data Portal 734-538 | URL | Descărcare |
|---------------------------|-----|------------|

### PCB Design

|                              |     |            |
|------------------------------|-----|------------|
| Symbol and Footprint 734-538 | URL | Descărcare |
|------------------------------|-----|------------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!

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Aveți întrebări despre produsele noastre?

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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## Installation Notes

## Familie de produse

<i>MCS</i> MINI

Afișare globală produse din familie.

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