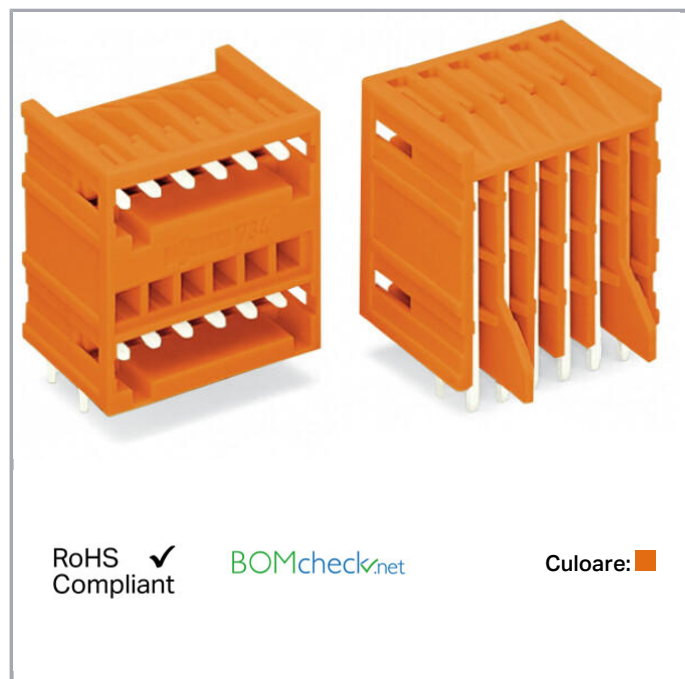


## Fișă tehnică | Număr articol: 734-438/001-000

THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.81 mm; 16-pole; orange

[www.wago.com/734-438/001-000](http://www.wago.com/734-438/001-000)



RoHS  
Compliant

BOMcheck.net

Culoare: 

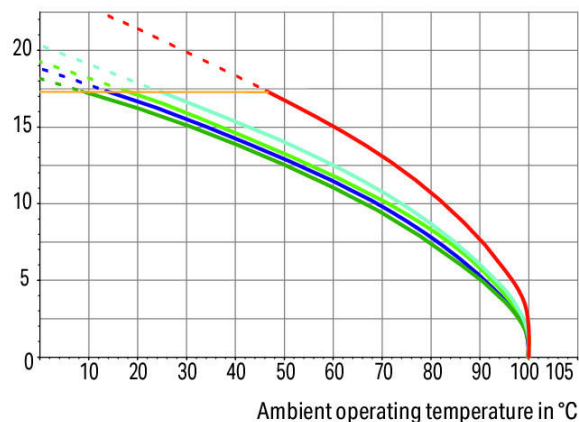
### Derating Curve

1-conductor female connector (734-102) with  
THT male header (734-162)

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



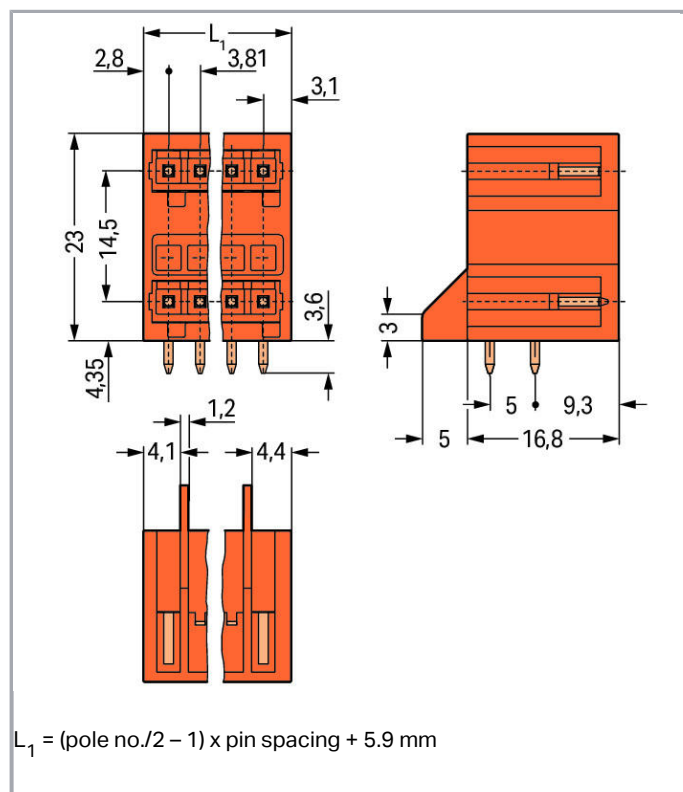
2-, 4-, 6-, 12-, 24- pole

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
- 100 % protected against mismating; only mating halves with the same number of poles can be connected together
- 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         |

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|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Rated voltage (III/2)       | 160 V                                                                |
| 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.                   | 16 |
| Total number of potentials | 16 |
| Number of connection types | 1  |
| Number of levels           | 2  |

### Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 3.81 mm / 0.15 inch      |
| Width                                | 32.57 mm / 1.282 inch    |
| Height                               | 26.6 mm / 1.047 inch     |
| Height from the surface              | 23 mm / 0.906 inch       |
| Depth                                | 21.8 mm / 0.858 inch     |
| Solder pin length                    | 3,6 mm                   |
| Solder pin dimensions                | 1 x 1 mm                 |
| Drilled hole diameter with tolerance | 1.4 <sup>(+0.1)</sup> mm |

Supus modificărilor.

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## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| 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 male connector, in line |
| Number of solder pins per potential | 1                                       |

## Material Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | orange                                 |
| Material group              | I                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,179 MJ                               |
| Weight                      | 9,7 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                  | 4044918873277          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate

### Country specific Approvals

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

Supus modificărilor.



DEKRA Certification B.V.



KEMA/KEUR

DEKRA Certification B.V.

EN 61984

71-

105522

## UL-Approvals

| Emblemă                                                                          | Aprobare                       | Text de aprobare suplimentar | Nume certificat |
|----------------------------------------------------------------------------------|--------------------------------|------------------------------|-----------------|
|  | UL                             | UL 1977                      | 20150318-E45171 |
|                                                                                  | Underwriters Laboratories Inc. |                              |                 |
|  | UL                             | UL 1059                      | 20190122-E45172 |
|                                                                                  | Underwriters Laboratories Inc. |                              |                 |

## Counterpart



Nr. articol 734-208

1-conductor female plug; 100% protected against mismatching; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 8-pole; 1,50 mm<sup>2</sup>; orange[www.wago.com/734-208](http://www.wago.com/734-208)

## Produse compatibile

## Coding

|                                                                                    |                                                          |                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
|  | Nr. articol: 734-130                                     | <a href="http://www.wago.com/734-130">www.wago.com/734-130</a> |
|                                                                                    | Coding key; to be snapped above top level; white         |                                                                |
|  | Nr. articol: 734-159                                     | <a href="http://www.wago.com/734-159">www.wago.com/734-159</a> |
|                                                                                    | Coding key; to be snapped above top level; black         |                                                                |
|  | Nr. articol: 734-400                                     | <a href="http://www.wago.com/734-400">www.wago.com/734-400</a> |
|                                                                                    | Coding key; to be snapped above bottom level; light gray |                                                                |

## Descărcări

## Documentation

## Additional Information

Supus modificărilor.

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Technical explanations

Apr 3, 2019

pdf  
3,6 MB

Descărcare

## CAD/CAE-Data

### CAD data

2D/3D Models 734-438/001-000

URL

Descărcare

### CAE data

EPLAN Data Portal 734-438/001-000

URL

Descărcare

### PCB Design

Symbol and Footprint 734-438/001-000

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!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4

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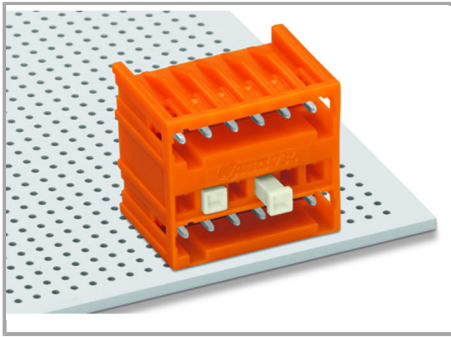
- Zuken CR-5000 and CR-8000

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

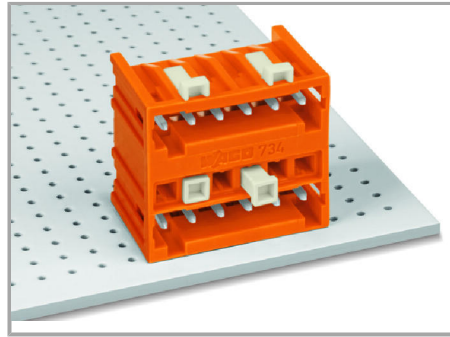
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## Installation Notes

### Coding



Coding a THT double-deck male header – lower level.



Coding a THT double-deck male header

## Familie de produse

<i>MCS</i> MINI

Afișare globală produse din familie.

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