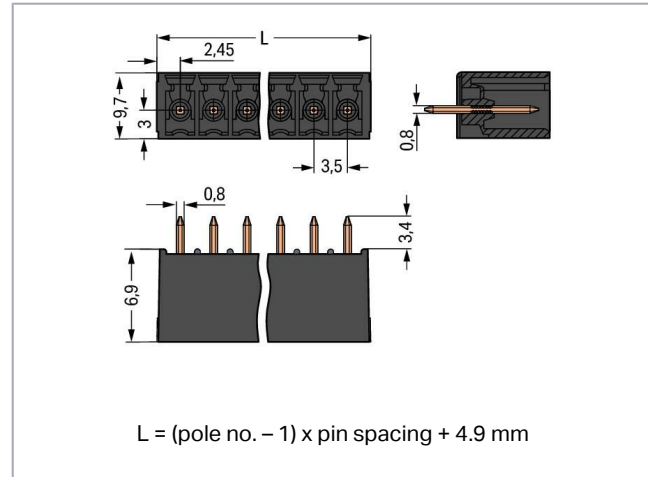
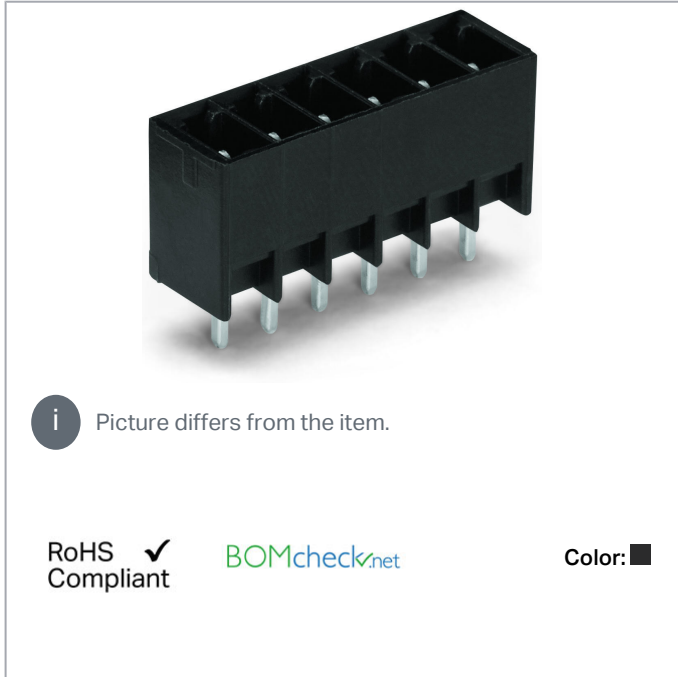


Data sheet | Item number: 714-144

THT male header; 0.8 x 0.8 mm solder pin; straight; Pin spacing 3.5 mm; 14-pole; black



www.wago.com/714-144



Item description

- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Header housing is molded of THR-compatible insulation material for lead-free Reflow soldering
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- Coding option available

Safety information 1:

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must 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

Ratings per

IEC/EN 60664-1

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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| | |
|-----------------------------|--|
| Nominal voltage (III/3) | 160 V |
| Rated surge voltage (III/3) | 2.5 kV |
| 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 | 8 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Ratings per UL

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 8 A |

Ratings per CSA

| | |
|---------------|-----|
| Approvals per | CSA |
|---------------|-----|

Connection data

| | |
|----------------------------|----|
| Pole No. | 14 |
| Total number of potentials | 14 |
| Number of connection types | 1 |
| Number of levels | 1 |

Physical data

| | |
|--------------------------------------|--------------------------|
| Pin spacing | 3.5 mm / 0.138 inch |
| Width | 50.4 mm / 1.984 inch |
| Height | 13.1 mm / 0.516 inch |
| Height from the surface | 9.7 mm / 0.382 inch |
| Depth | 6.9 mm / 0.272 inch |
| Solder pin length | 3.4 mm |
| Solder pin dimensions | 0.8 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.2 ^(+0.1) mm |

Plug-in connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for PCB |

Subject to changes. Please also observe the further product documentation!

| | |
|-----------------------------|-----|
| Mismating protection | No |
| Mating direction to the PCB | 90° |

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 | black |
| Material group | I |
| Insulation material | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.063 MJ |
| Weight | 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 | 4045454858919 |
| Customs tariff number | 85366990990 |

Approvals / Certificates

Country specific Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61984 | NTR NL-7604 |
| | KEMA/KEUR | EN 61984 | 2198681.01 |

Subject to changes. Please also observe the further product documentation!

DEKRA Certification B.V.



UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172-19950922 |

Counterpart



Item no.714-114

1-conductor female plug; push-button; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 1,50 mm²; black

www.wago.com/714-114



Item no.714-114/000-047

1-conductor female plug; push-button; direct marking; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 1,50 mm²; black

www.wago.com/714-114/000-047

Compatible products

Coding



Item no.: 714-101
Coding key; orange

www.wago.com/714-101

Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|---------------|----------|
| Technical explanations | 3. 4. 2019 | pdf 2.0 MB | Download |
|------------------------|------------|---------------|----------|

CAD/CAE-Data

CAD data

2D/3D Models 714-144

Subject to changes. Please also observe the further product documentation!

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32423 Minden
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[URL](#) [Download](#)

PCB Design

Symbol and Footprint 714-144

[URL](#) [Download](#)

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
- Zuken CR-5000 and CR-8000

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

CAE data

ZUKEN Portal 714-144

[URL](#) [Download](#)

Environmental Product Compliance

Compliance Search

Subject to changes. Please also observe the further product documentation!

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Hansastr. 27
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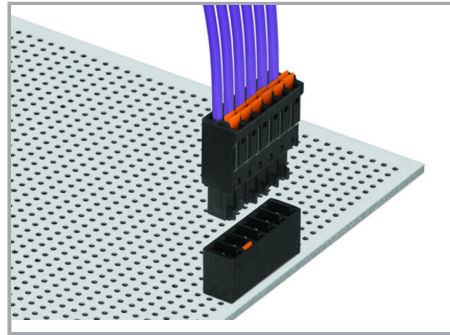
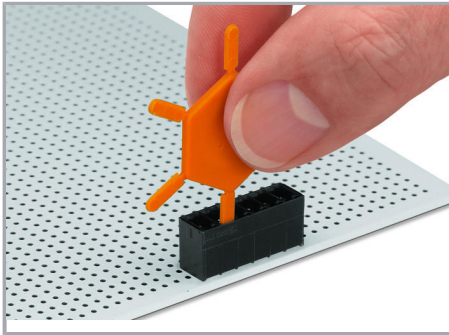
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Environmental Product Compliance 714-144

THT male header; 0.8 x 0.8 mm solder pin; straight; Pin spacing 3.5 mm; 14-pole; black

Installation Notes

Coding



Coding a male header by inserting a coding pin.

Coded connectors

Product family

MCS MINI SL

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!