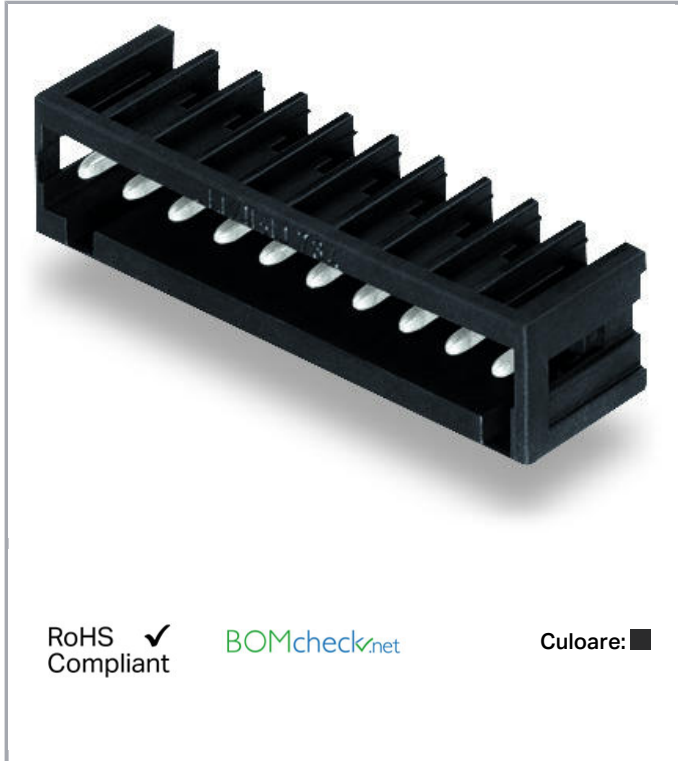


# Fișă tehnică | Număr articol: 734-272/105-604

THR male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 12-pole; black

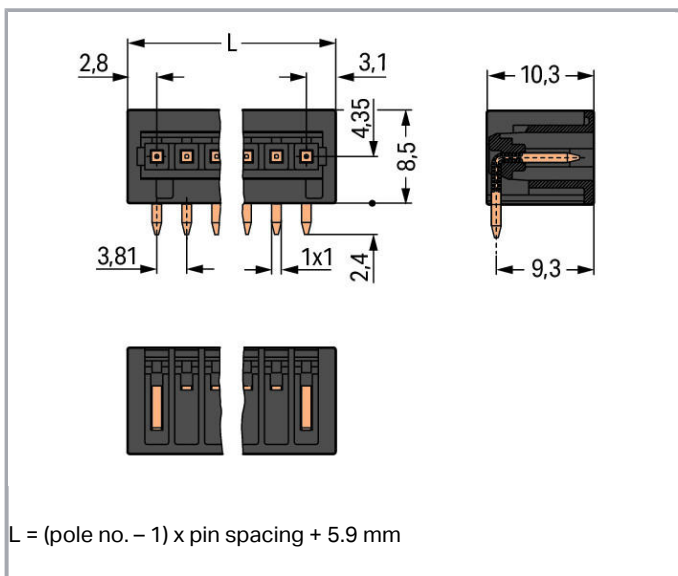
[www.wago.com/734-272/105-604](http://www.wago.com/734-272/105-604)



RoHS  Compliant

BOMcheck.net

Culoare: ■



Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

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



## Descriere articol

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 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.

## 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   |
| 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) $\hat{=}$ 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  |

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

### Connection data

|                            |    |
|----------------------------|----|
| Pole No.                   | 12 |
| Total number of potentials | 12 |
| Number of connection types | 1  |
| Number of levels           | 1  |

### Geometrical Data

|                                    |                          |
|------------------------------------|--------------------------|
| Pin spacing                        | 3.81 mm / 0.15 inch      |
| Width                              | 47.81 mm / 1.882 inch    |
| Height                             | 10.9 mm / 0.429 inch     |
| Height from the surface            | 8.5 mm / 0.335 inch      |
| Depth                              | 10.3 mm / 0.406 inch     |
| Solder pin length                  | 2,4 mm                   |
| Solder pin dimensions              | 1 x 1 mm                 |
| Plated through-hole diameter (THR) | 1.4 <sup>(+0.1)</sup> mm |

### 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                         | THR                                     |
| 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            |                          |

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|                 |  |
|-----------------|--|
|                 | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating | tin-plated                             |
| Fire load       | 0,061 MJ                               |
| Weight          | 3,6 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                  | 4045454792497          |
| Customs tariff number | 85366990990            |

### Counterpart



**Nr. articol** 734-212

1-conductor female plug; 100% protected against mismatching; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 12-pole; 1,50 mm<sup>2</sup>; orange

[www.wago.com/734-212](http://www.wago.com/734-212)

### Produse compatibile

#### Coding

**Nr. articol:** 734-130

Coding key; to be snapped above top level; white

[www.wago.com/734-130](http://www.wago.com/734-130)



**Nr. articol:** 734-159

Coding key; to be snapped above top level; black

[www.wago.com/734-159](http://www.wago.com/734-159)

### Descărcări

#### Documentation

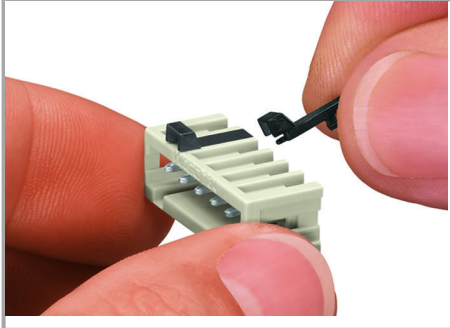
##### Additional Information

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

Supus modificărilor.

## Installation Notes

### Coding



Coding a male header – fitting coding key(s).

## Familie de produse

*MCS* MINI

Afișare globală produse din familie.

Supus modificărilor.