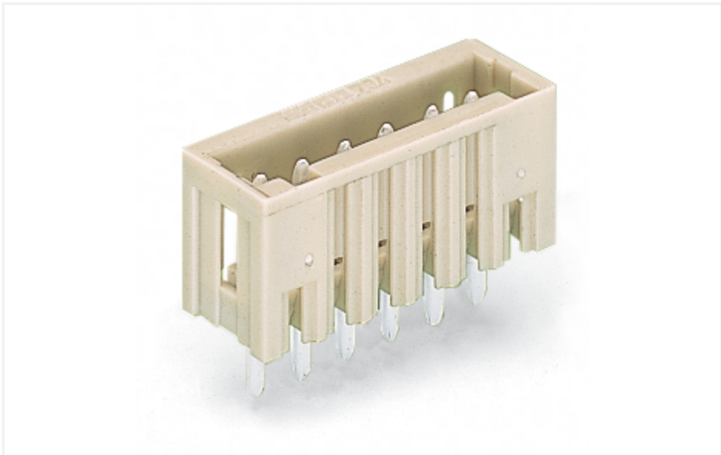


Data Sheet | Item Number: 734-144/010-000

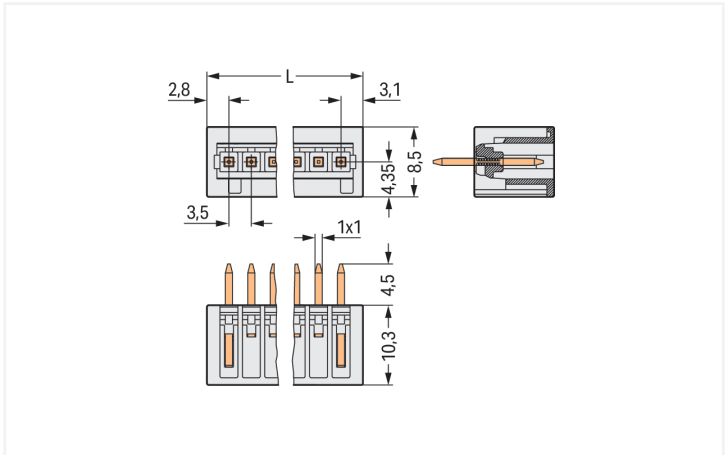
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mis-mating; Gold-plated contacts; Pin spacing 3.5 mm; 14-pole; light gray

<https://www.wago.com/734-144/010-000>

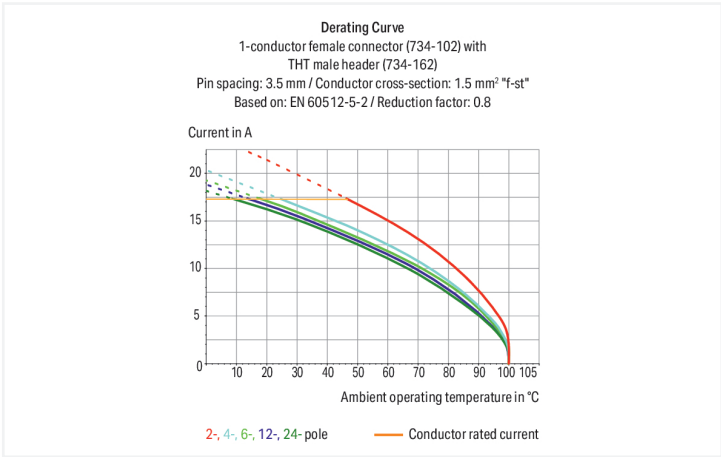


Color: ■ light gray

Similar to illustration



Dimensions in mm  
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$



Stiftleiste Serie 734 mit Lötstiftabmessungen 1 x 1 mm

Die Stiftleiste (Artikelnummer 734-144/010-000) bietet eine fehlerfreie Elektroinstallation. Unsere Leiterplatten-Steckverbinder gewähren Ihnen die größtmögliche Flexibilität bei verschiedenen Montagearten. Die Maße betragen in Breite x Höhe x Tiefe (51,4 x 14,8 x 8,5) mm. Die Kontaktoberfläche ist aus Gold. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm<sup>2</sup> ein großes Portfolio an Einsatzmöglichkeiten. Der Leiterplatten-Steckverbinder wird mittels THT verlötet.

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – <i>MULTI CONNECTION SYSTEM</i> 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. 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. |
| Variants:          | Other pole numbers<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                                    |



| Electrical data      |        |  |        |                |  |  |  |
|----------------------|--------|--|--------|----------------|--|--|--|
| Ratings per          |        |  |        | IEC/EN 60664-1 |  |  |  |
| Overvoltage category | III    |  | III    | II             |  |  |  |
| Pollution degree     | 3      |  | 2      | 2              |  |  |  |
| Nominal voltage      | 160 V  |  | 160 V  | 320 V          |  |  |  |
| Rated surge voltage  | 2.5 kV |  | 2.5 kV | 2.5 kV         |  |  |  |
| Rated current        | 10 A   |  | 10 A   | 10 A           |  |  |  |

| Approvals per |       |  |   | UL 1059 |  |  |  |
|---------------|-------|--|---|---------|--|--|--|
| Use group     | B     |  | C | D       |  |  |  |
| Rated voltage | 300 V |  | - | 300 V   |  |  |  |
| Rated current | 10 A  |  | - | 10 A    |  |  |  |

| Approvals per |       |  |   | CSA   |  |  |  |
|---------------|-------|--|---|-------|--|--|--|
| Use group     | B     |  | C | D     |  |  |  |
| Rated voltage | 300 V |  | - | 300 V |  |  |  |
| Rated current | 10 A  |  | - | 10 A  |  |  |  |

| Connection data            |    |              |    |
|----------------------------|----|--------------|----|
| Total number of potentials | 14 | Connection 1 |    |
| Number of connection types | 1  | Pole number  | 14 |
| Number of levels           | 1  |              |    |

| Physical data                        |                        |  |  |  |  |  |  |
|--------------------------------------|------------------------|--|--|--|--|--|--|
| Pin spacing                          | 3.5 mm / 0.138 inches  |  |  |  |  |  |  |
| Width                                | 51.4 mm / 2.024 inches |  |  |  |  |  |  |
| Height                               | 14.8 mm / 0.583 inches |  |  |  |  |  |  |
| Height from the surface              | 10.3 mm / 0.406 inches |  |  |  |  |  |  |
| Depth                                | 8.5 mm / 0.335 inches  |  |  |  |  |  |  |
| Solder pin length                    | 4.5 mm                 |  |  |  |  |  |  |
| Solder pin dimensions                | 1 x 1 mm               |  |  |  |  |  |  |
| Drilled hole diameter with tolerance | 1.4 (+0.1) mm          |  |  |  |  |  |  |

| Mechanical data          |     |  |  |  |  |  |  |
|--------------------------|-----|--|--|--|--|--|--|
| Variable coding          | Yes |  |  |  |  |  |  |
| Anti-rotation protection | Yes |  |  |  |  |  |  |

| Plug-in connection                 |                     |  |  |  |  |  |  |
|------------------------------------|---------------------|--|--|--|--|--|--|
| Contact type (pluggable connector) | Male connector/plug |  |  |  |  |  |  |
| Connector (connection type)        | for PCB             |  |  |  |  |  |  |
| Mismating protection               | Yes                 |  |  |  |  |  |  |

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



| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light gray                                                               |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Contact material                   | Electrolytic copper (E <sub>CU</sub> )                                   |
| Contact Plating                    | Gold                                                                     |
| Fire load                          | 0.051 MJ                                                                 |
| Weight                             | 3.1 g                                                                    |

| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +100 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4045454841188          |
| Customs tariff number | 85366930000            |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| eCl@ss 10.0            | 27-44-04-02          |
| eCl@ss 9.0             | 27-44-04-02          |
| ETIM 9.0               | EC002637             |
| ETIM 8.0               | EC002637             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

| Downloads                                           |  |
|-----------------------------------------------------|--|
| Environmental Product Compliance                    |  |
| Compliance Search                                   |  |
| Environmental Product Compliance<br>734-144/010-000 |  |



Documentation

| Additional Information |            |                   |  |
|------------------------|------------|-------------------|--|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| PCB Design                                                     |  |
|----------------------------------------------------------------|--|
| Symbol and Footprint<br>via SamacSys<br>734-144/010-000        |  |
| Symbol and Footprint<br>via Ultra Librarian<br>734-144/010-000 |  |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 734-114**  
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; 1,50 mm²; light gray



**Item No.: 734-544**  
THT female header; angled; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray



**Item No.: 734-544/037-000**  
THT female header; angled; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray



**Item No.: 734-474**  
THT female header; straight; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray



**Item No.: 734-474/037-000**  
THT female header; straight; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.2 Optional Accessories

1.2.1 Coding

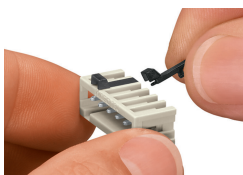
1.2.1.1 Coding



**Item No.: 734-159**  
Coding key; to be snapped above top level; black

## Installation Notes

### Coding



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