

Data Sheet | Item Number: 734-464

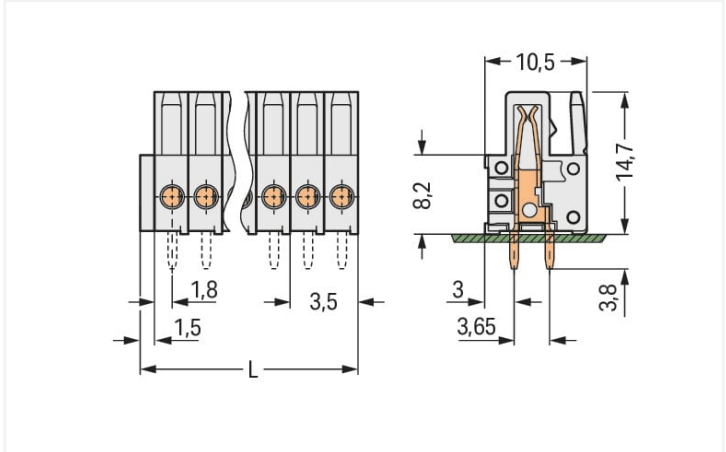
THT female header; straight; Pin spacing 3.5 mm; 4-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray

<https://www.wago.com/734-464>

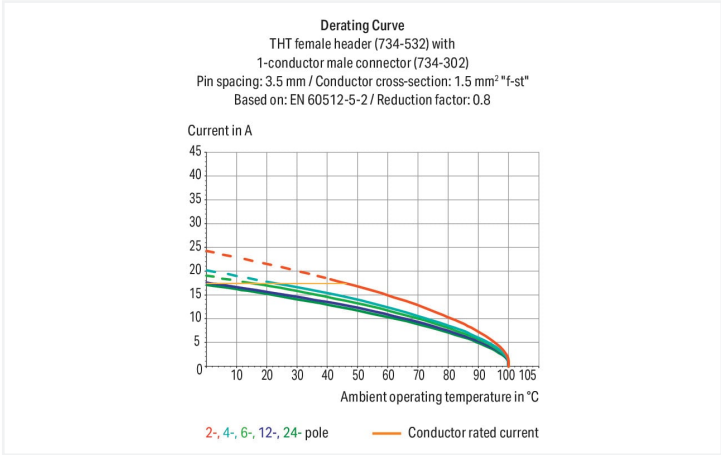


Color: ■ light gray

Similar to illustration



Dimensions in mm  
L = (pole no. x pin spacing) + 1.5 mm



- 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 mismatching
- Coding option available

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety information | 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. 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 |        |        |        | Approvals per UL 1059 |       |   |       |
|----------------------------|--------|--------|--------|-----------------------|-------|---|-------|
| Overvoltage category       | III    | III    | II     | Use group             | B     | C | D     |
| Pollution degree           | 3      | 2      | 2      | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 160 V  | 160 V  | 320 V  | Rated current         | 10 A  | - | 10 A  |
| Rated surge voltage        | 2.5 kV | 2.5 kV | 2.5 kV |                       |       |   |       |
| Rated current              | 10 A   | 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

|                            |   |              |   |
|----------------------------|---|--------------|---|
| Connection points          | 4 | Connection 1 |   |
| Total number of potentials | 4 | Pole number  | 4 |
| Number of connection types | 1 |              |   |
| Number of levels           | 1 |              |   |

Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inches    |
| Width                                | 15.5 mm / 0.61 inches    |
| Height                               | 18.5 mm / 0.728 inches   |
| Height from the surface              | 14.7 mm / 0.579 inches   |
| Depth                                | 10.5 mm / 0.413 inches   |
| 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 |

Mechanical data

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

Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for PCB                 |
| Mismating protection               | Yes                     |
| Mating direction to the PCB        | 90 °                    |

PCB contact

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| PCB contact                         | THT                                        |
| Solder pin arrangement              | over the entire female 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         | Polyamide (PA66) |                                                                          |
| Flammability class per UL94 | V0               |                                                                          |
| Contact material            | Copper alloy     |                                                                          |
| Contact plating             | Tin              |                                                                          |
| Fire load                   | 0.019 MJ         |                                                                          |
| Weight                      | 2.2 g            |                                                                          |

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

| Commercial data       |                        |  |
|-----------------------|------------------------|--|
| Product Group         | 3 (Multi Conn. System) |  |
| eCl@ss 10.0           | 27-44-04-02            |  |
| eCl@ss 9.0            | 27-44-04-02            |  |
| ETIM 8.0              | EC002637               |  |
| ETIM 7.0              | EC002637               |  |
| PU (SPU)              | 100 pcs                |  |
| Packaging type        | Box                    |  |
| Country of origin     | DE                     |  |
| GTIN                  | 4044918999830          |  |
| Customs tariff number | 85366990990            |  |

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

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                                                                                                              |          |                  | Approvals for marine applications                                                                                                                                        |           |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|
|     |          |                  |   |           |                  |
| Approval                                                                                                                                                                                                                                                                                                                                       | Standard | Certificate Name | Approval                                                                                                                                                                 | Standard  | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                 | EN 61984 | NL-54190         | DNV<br>DNV GL SE                                                                                                                                                         | -         | TAE000016Z       |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | C22.2    | 1465035          | LR<br>Lloyds Register                                                                                                                                                    | IEC 61984 | 96/20035 (E5)    |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                          | EN 61984 | 71-105522        |                                                                                                                                                                          |           |                  |
| UL<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1977  | E 45171          |                                                                                                                                                                          |           |                  |
| UR<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1059  | E45172           |                                                                                                                                                                          |           |                  |



| Downloads                                |  |  |                   |
|------------------------------------------|--|--|-------------------|
| Environmental Product Compliance         |  |  |                   |
| Compliance Search                        |  |  |                   |
| Environmental Product Compliance 734-464 |  |  | <a href="#">↓</a> |

| Documentation          |            |                   |                   |
|------------------------|------------|-------------------|-------------------|
| Additional Information |            |                   |                   |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB | <a href="#">↓</a> |

| CAD/CAE-Data         |  |                           |                   |
|----------------------|--|---------------------------|-------------------|
| CAD data             |  | CAE data                  |                   |
| 2D/3D Models 734-464 |  | EPLAN Data Portal 734-464 | <a href="#">↓</a> |
|                      |  | ZUKEN Portal 734-464      | <a href="#">↓</a> |

| PCB Design                                       |                   |
|--------------------------------------------------|-------------------|
| Symbol and Footprint via SamacSys 734-464        | <a href="#">↓</a> |
| Symbol and Footprint via Ultra Librarian 734-464 | <a href="#">↓</a> |