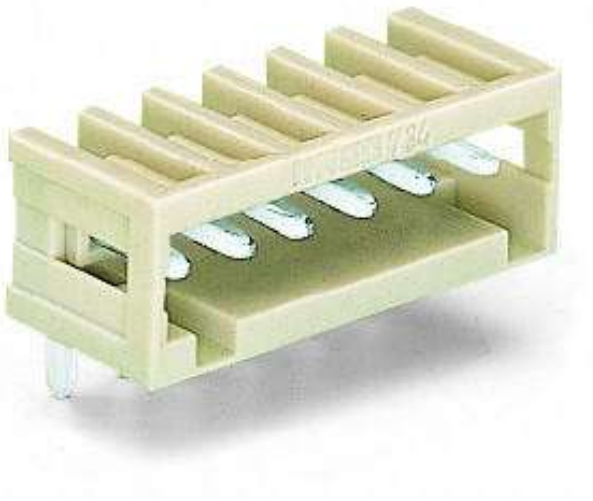
Data sheet | Item number: 734-168

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 8-pole; light gray

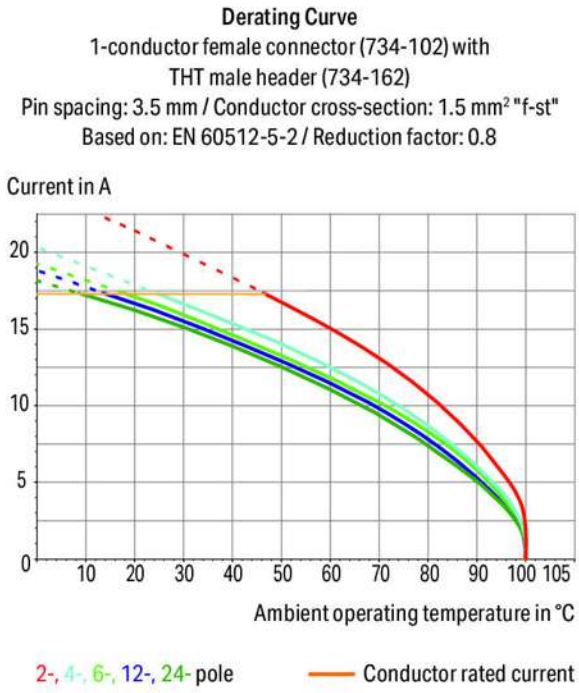
www.wago.com/734-168



RoHS ✓ Compliant

BOMcheck.net

Color:



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

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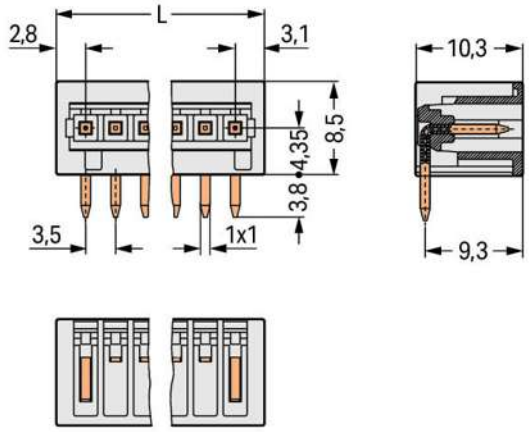

L = (pole no. – 1) x pin spacing + 5.9 mm

Item description

- 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.

Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV

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Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) ≙ 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

No. of poles	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	30.4 mm / 1.197 inch
Height	12.3 mm / 0.484 inch
Height from the surface	8.5 mm / 0.335 inch
Depth	10.3 mm / 0.406 inch
Solder pin length	3.8 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter (tolerance)	$1.4^{(+0.1)}$ mm

Plug connection

Contact type (pluggable connector)	Male connector/plug

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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	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.031 MJ
Weight	2.1 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	4044918872348
Customs Tariff No.	85366990990

Counterpart

Item no.734-108
1-conductor female plug; 100% protected against mismating; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray
www.wago.com/734-108

Item no.2734-108
1-conductor female plug; 100% protected against mismating; push-button; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray
www.wago.com/2734-108

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	Item no.2734-108/037-000 1-conductor female plug; 100% protected against mismating; push-button; Locking lever; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray	www.wago.com/2734-108/037-000
	Item no.2734-108/031-000 1-conductor female plug; 100% protected against mismating; push-button; clamping collar; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray	www.wago.com/2734-108/031-000
	Item no.734-108/037-000 1-conductor female plug; 100% protected against mismating; Locking lever; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray	www.wago.com/734-108/037-000
	Item no.734-108/037-000/033-000 1-conductor female plug; 100% protected against mismating; Locking lever; Strain relief plate; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray	www.wago.com/734-108/037-000/033-000

Compatible products

Coding

	Item no.: 734-130 Coding key; to be snapped above top level; white	www.wago.com/734-130
	Item no.: 734-159 Coding key; to be snapped above top level; black	www.wago.com/734-159

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 734-168	URL	Download

CAE data

EPLAN Data Portal 734-168	URL	Download

PCB Design

Symbol and Footprint 734-168	URL	Download

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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

Installation Notes

Coding

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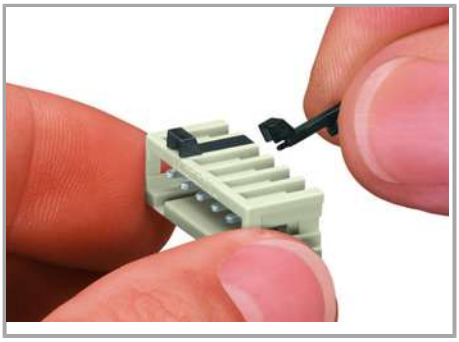

Coding a male header – fitting coding key(s).

Product family

MCS MINI
Show all products from the family

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