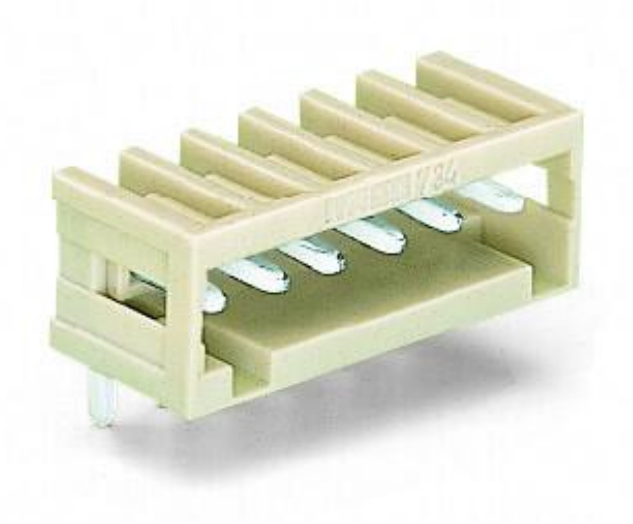
Data sheet | Item number: 734-167

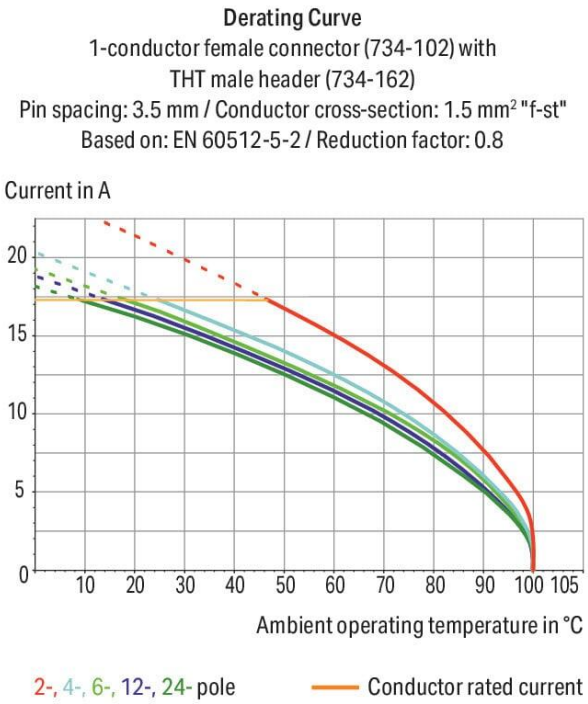
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 7-pole; light gray

www.wago.com/734-167



Picture differs from the item.

Color:



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

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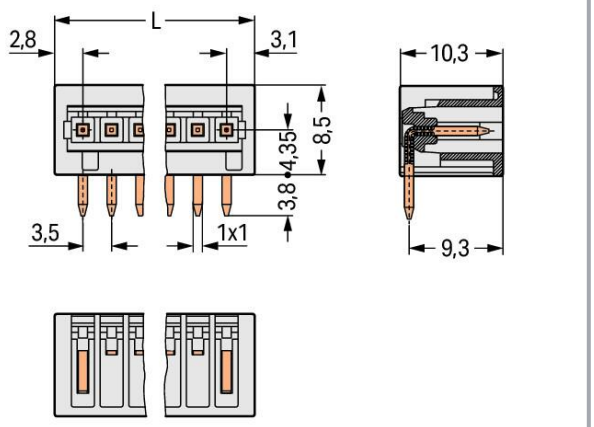

Dimensions in mm
L = (pole no. – 1) x pin spacing + 5.9 mm

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 option available

Data
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 3.8 mm pin projection for male headers with straight solder pins Gold-plated or partially gold-plated contact surfaces Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

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Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal 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
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

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

Ratings per CSA

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

Total number of potentials	7
Number of connection types	1
Number of levels	1

Connection 1

Pole number	7

Physical data

Pin spacing	3.5 mm / 0.138 inches

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Width	26.9 mm / 1.059 inches
Height	12.3 mm / 0.484 inches
Height from the surface	8.5 mm / 0.335 inches
Depth	10.3 mm / 0.406 inches
Solder pin length	3.8 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
Plugging without loss of pin spacing	No
Mating direction to the PCB	0 °
Locking of plug-in connection	none

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)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin
Fire load	0.028 MJ

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Weight	1.9 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
ECCN	NO DATA
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918872324
Customs tariff number	85366930000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Counterpart

Item no.734-107
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; 1,50 mm²; light gray
www.wago.com/734-107

Item no.2734-107/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; clamping collar; 1,50 mm²; light gray
www.wago.com/2734-107/031-000

Item no.2734-107/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light gray
www.wago.com/2734-107/037-000

Item no.734-107/033-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Strain relief plate; 1,50 mm²; light gray
www.wago.com/734-107/033-000

Item no.2734-107
www.wago.com/2734-

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	1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; 1,50 mm²; light gray	107
	Item no.734-107/037-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light gray	www.wago.com/734-107/037-000
	Item no.734-107/037-000/033-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray	www.wago.com/734-107/037-000/033-000
	Item no.2734-1107/327-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; 1,50 mm²; light gray	www.wago.com/2734-1107/327-000
	Item no.2734-1107/038-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light gray	www.wago.com/2734-1107/038-000
	Item no.2734-1107/327-000/334-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Strain relief plate; 1,50 mm²; light gray	www.wago.com/2734-1107/327-000/334-000
	Item no.734-537/037-000 THT female header; angled; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Locking lever; 0.9 x 0.9 mm solder pin; light gray	www.wago.com/734-537/037-000
	Item no.734-537 THT female header; angled; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray	www.wago.com/734-537
	Item no.734-467/037-000 THT female header; straight; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Locking lever; 0.9 x 0.9 mm solder pin; light gray	www.wago.com/734-467/037-000
	Item no.734-467 THT female header; straight; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray	www.wago.com/734-467
	Item no.2734-1107/327-9037 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; direct marking; 1,50 mm²; light gray	www.wago.com/2734-1107/327-9037
	Item no.2734-1107/327-047 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; direct marking; 1,50 mm²; light gray	www.wago.com/2734-1107/327-047

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Item no.2734-1107/328-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Centered locking levers; Strain relief plate; 1,50 mm²; light gray

www.wago.com/2734-1107/328-000/334-000

Optional accessories

Coding

Coding

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

www.wago.com/734-159

Item no.: 734-130
Coding key; to be snapped above top level; white

www.wago.com/734-130

Downloads

Documentation

Additional Information

Technical Section Technical explanations	2019 Apr 3	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 734-167	URL	Download

CAE data

EPLAN Data Portal 734-167	URL	Download
ZUKEN Portal 734-167	URL	Download

PCB Design

Symbol and Footprint via Ultra Librarian 734-167 CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.	URL	Download

Supported formats:

- Accel EDA 14 & 15

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- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- 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
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

Symbol and Footprint via SamacSys 734-167 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:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio

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- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

Asset Administration Shell

Asset Administration Shell 734-167	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-167	URL	Download
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 7-pole; light gray		

Installation Notes

Coding

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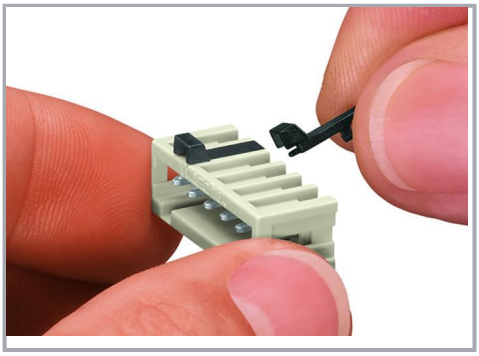

Coding a male header – fitting coding key(s).

Product family

MCS MINI
Show all products from the family

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