

Data sheet | Item number: 734-138

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

www.wago.com/734-138



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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100 % protected against mismatching; 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

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) \triangleq 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	14,8 mm / 0.583 inch
Height from the surface	10,3 mm / 0.406 inch
Depth	8,5 mm / 0.335 inch
Solder pin length	4.5 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
------------------------------------	---------------------

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

Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°

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	1.8 g

Environmental Requirements


Limit temperature range	-60 ... +100 °C
-------------------------	-----------------

Commercial data


Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918847643
Customs Tariff No.	85366990990

Approvals / Certificates




Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2169534.02



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

	CCA DEKRA Certification B.V.	EN 61984	nl-54190
	CSA DEKRA Certification B.V.	C22.2	1465035

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1977	20150318- E45171
	UR Underwriters Laboratories Inc.	UL 1059	20190122- E45172

Counterpart



Item no.734-108

1-conductor female plug; 100% protected against mismatching; 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 mismatching; push-button; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; light gray www.wago.com/2734-108

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



Item no.2734-108/031-000

1-conductor female plug; 100% protected against mismatching; 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.2734-108/037-000

1-conductor female plug; 100% protected against mismatching; 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.734-108/037-000

1-conductor female plug; 100% protected against mismatching; 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 mismatching; 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 734-138	URL	Download
----------------------	-----	----------

CAE data

EPLAN Data Portal 734-138	URL	Download
---------------------------	-----	----------

PCB Design

Symbol and Footprint 734-138	URL	Download
------------------------------	-----	----------

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



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

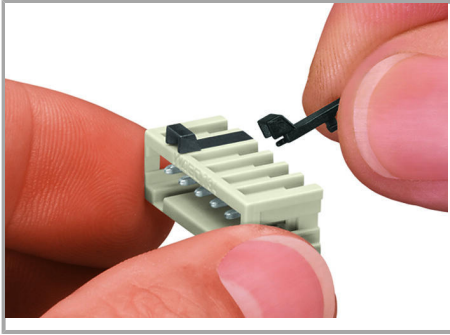
Installation Notes

Coding

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

Product family

MCS MINI

[Learn more about the product family.](#)

[Show all products from the family](#)

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