

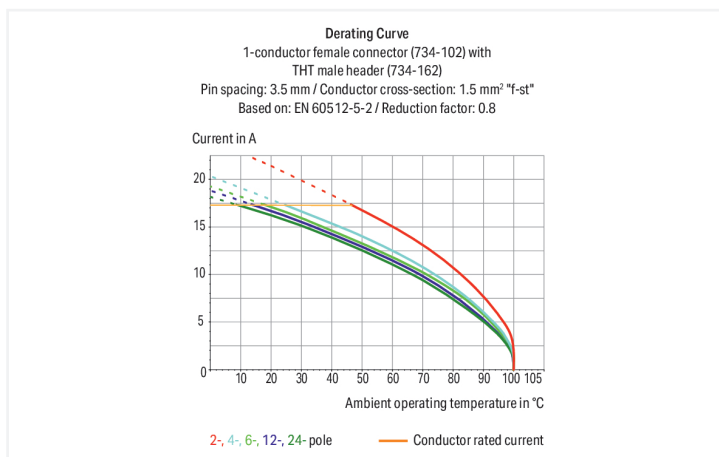
Data Sheet | Item Number: 734-1446

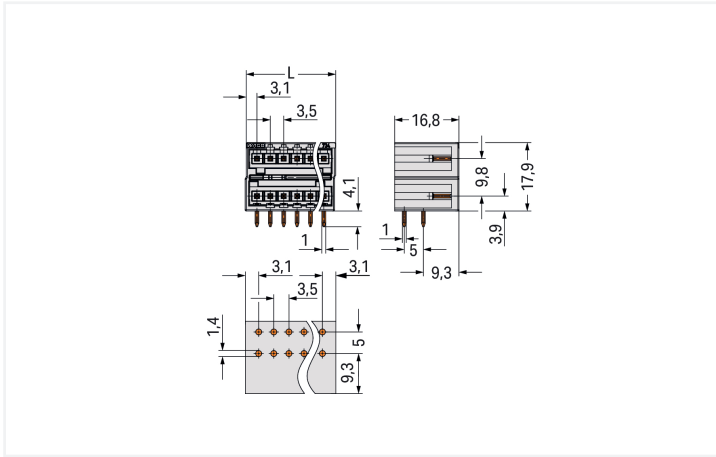
THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 32-pole; light gray

<https://www.wago.com/734-1446>



Color: ■ light gray





Dimensions in mm
 L = (pole no./2) x pin spacing + 2.7 mm

Male connector, 734 Series, with 3.5 mm pin spacing

This male connector (item number 734-1446) is designed for fault-free electrical installations. Dimensions: (58.7 x 22 x 16.8) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.

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
 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

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse withstand voltage (III / 3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse withstand voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated impulse withstand voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) Δ 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	32
Number of connection types	1
Number of levels	2

Connection 1

Pole number	32
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Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	58.7 mm / 2.311 inches
Height	22 mm / 0.866 inches
Height from the surface	17.9 mm / 0.705 inches
Depth	16.8 mm / 0.661 inches
Solder pin length	4.1 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
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

Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.226 MJ
Weight	13.6 g

Environmental requirements

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

Commercial data

PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966469905
Customs tariff number	85366930000

Product Classification

UNSPSC	39121409
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-104168
CSA CSA Group	C22.2 No. 158	1465035

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-1446	↓
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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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CAD/CAE-Data

CAD data	PCB Design
2D/3D Models 734-1446 ↓	Symbol and Footprint via SamacSys 734-1446 ↓
	Symbol and Footprint via Ultra Librarian 734-1446 ↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 2734-1516/310-000](#)

1-conductor female connector, 2-row; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 32-pole; 100% protected against mismatching; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

[Item No.: 734-400](#)

Coding key; to be snapped above bottom level; light gray

[Item No.: 734-159](#)

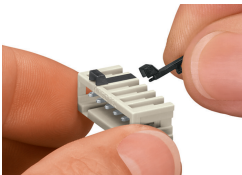
Coding key; to be snapped above top level; black

[Item No.: 734-130](#)

Coding key; to be snapped above top level; white

Installation Notes

Coding



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