

Data Sheet | Item Number: 734-139/010-000

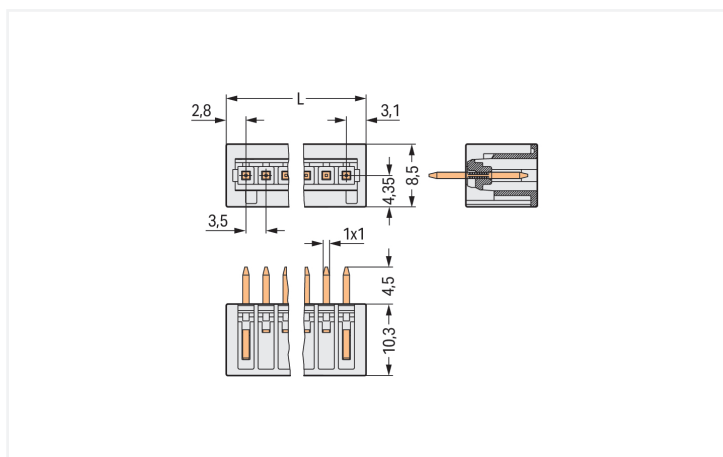
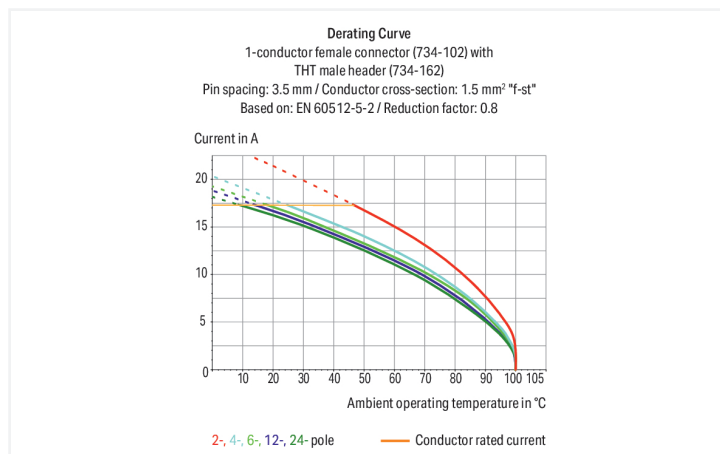
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Gold-plated contacts; Pin spacing 3.5 mm; 9-pole; light gray

<https://www.wago.com/734-139/010-000>



Color: ■ light gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$

Male connector, 734 Series, with 3.5 mm pin spacing

Our male connector (item number 734-139/010-000) ensures effortless electrical installations. Dimensions: (33.9 x 14.8 x 8.5) mm (width x height x depth).

Gold is used for coating the contact surfaces. THT is used to assemble the pcb connector.



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 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	10 A	10 A	10 A
Approvals per		UL 1059	
Use group		B	C D
Rated voltage		300 V	- 300 V
Rated current		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	
Total number of potentials	9
Number of connection types	1
Number of levels	1

Connection 1	
Pole number	9

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	33.9 mm / 1.335 inches
Height	14.8 mm / 0.583 inches
Height from the surface	10.3 mm / 0.406 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	4.5 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

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	Gold
Fire load	0.033 MJ
Weight	2 g

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

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454841140
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
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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Compliance Search

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Documentation

Additional Information

Technical Section

03.04.2019

pdf2027.26 KB

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CAD/CAE-Data

PCB Design

Symbol and Footprint via SamacSys734-139/010-000

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Symbol and Footprint via Ultra Librarian734-139/010-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-109](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; 1,50 mm²; light gray



[Item No.: 734-539](#)
THT female header; angled; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray



[Item No.: 734-539/037-000](#)
THT female header; angled; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray



[Item No.: 734-469](#)
THT female header; straight; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray

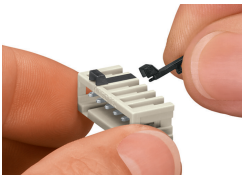


[Item No.: 734-469/037-000](#)
THT female header; straight; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding

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

Installation Notes
Coding



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