

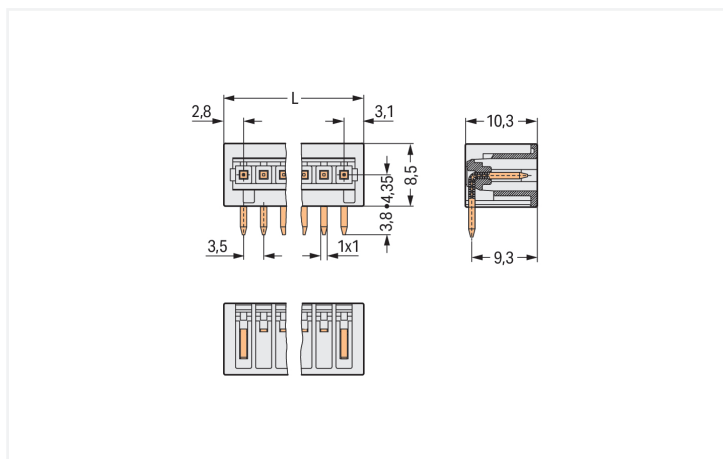
Data Sheet | Item Number: 734-178

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 18-pole; light gray

<https://www.wago.com/734-178>

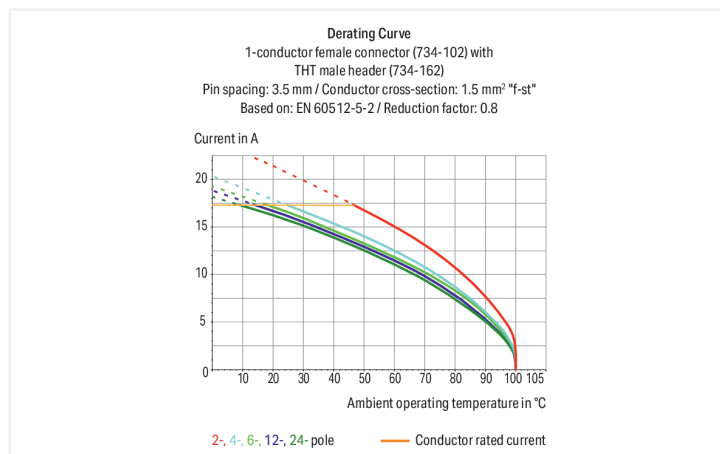


Color: ■ light gray



Dimensions in mm

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



Male connector, 734 Series, light gray

Our male connector (item number 734-178) simplifies electrical installations. The item's dimensions are (65.4 x 12.3 x 10.3) mm (width x height x depth).

The contact surface is coated with tin. 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 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			
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	18
Number of connection types	1
Number of levels	1

Connection 1	
Pole number	18

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	65.4 mm / 2.575 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
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		0.067 MJ
Weight		4.6 g

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

Commercial data		
Product Group		3 (Multi Conn. System)
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		PL
GTIN		4044918872454
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 8.0		EC002637
ECCN		NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-178	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 734-178		EPLAN Data Portal 734-178	
		ZUKEN Portal 734-178	

PCB Design	
Symbol and Footprint via SamacSys 734-178	
Symbol and Footprint via Ultra Librarian 734-178	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

 Item No.: 734-118 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 1,50 mm²; light gray	 Item No.: 734-118/037-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray	 Item No.: 734-118/037-000/036-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray	 Item No.: 2734-118 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 1,50 mm²; light gray
 Item No.: 2734-118/027-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; light gray	 Item No.: 2734-118/037-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray	 Item No.: 734-548 THT female header; angled; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray	 Item No.: 734-548/037-000 THT female header; angled; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.1.1 Female connector/socket



Item No.: 734-478
THT female header; straight; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray

Item No.: 734-478/037-000
THT female header; straight; Pin spacing 3.5 mm; 18-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

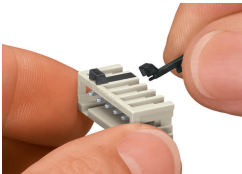


Item No.: 734-159
Coding key; to be snapped above top level; black

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

Installation Notes

Coding



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