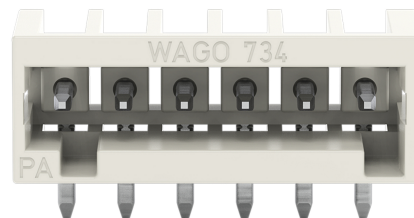
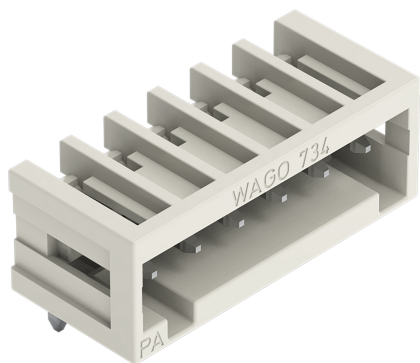


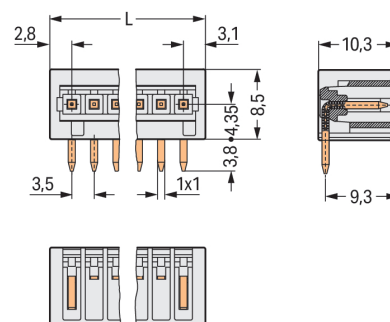
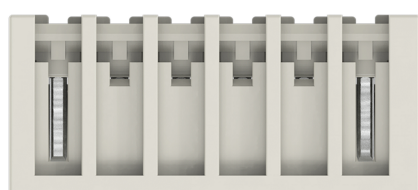
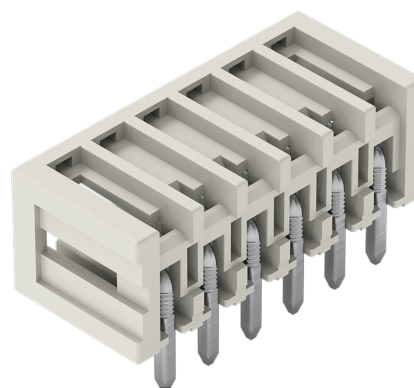
Data Sheet | Item Number: 734-166

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mis-mating; Pin spacing 3.5 mm; 6-pole; light gray

<https://www.wago.com/734-166>

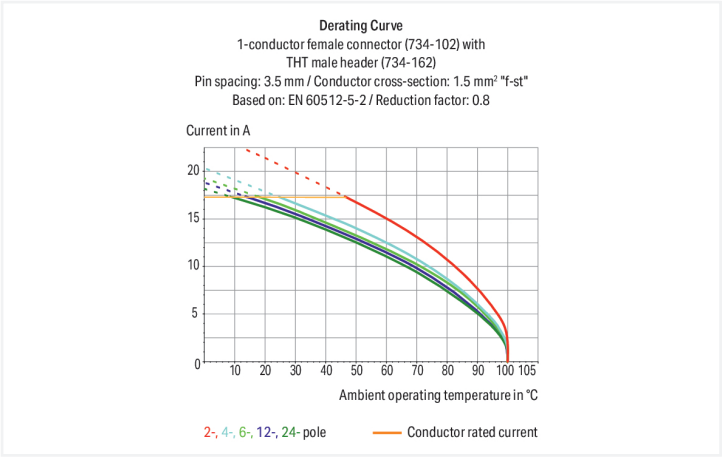


Color: ■ light gray



Dimensions in mm

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



Stiftleiste Serie 734, lichtgrau

Bei dieser Stiftleiste (Artikelnummer 734-166) ist eine fehlerfreie Elektroinstallation der Fokus. Mit unseren Leiterplatten-Steckverbindern erhalten Sie ein universelles Steckverbindersystem, das vielseitig verwendet werden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. Die Maße sind in Breite x Höhe x Tiefe (23,4 x 12,3 x 10,3) mm. Die Kontaktoberfläche ist aus Zinn. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen. Der Leiterplatten-Steckverbinder wird mittels THT verlötet.

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 surge 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	6					
Number of connection types	1					
Number of levels	1					

Connection 1			
Pole number	6		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	23.4 mm / 0.921 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		0.024 MJ
Weight		1.6 g

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

Commercial data		
Product Group		3 (Multi Conn. System)
PU (SPU)		100 pcs
Packaging type		Box
Country of origin		PL
GTIN		4044918872300
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 734-166

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Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 734-166

CAE data

EPLAN Data Portal734-166

ZUKEN Portal 734-166

PCB Design

Symbol and Footprint via SamacSys 734-166

Symbol and Footprint via Ultra Librarian 734-166

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 734-106
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 1,50 mm²; light gray

Item No.: 734-106/037-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray

Item No.: 734-106/037-000/033-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray

Item No.: 2734-1106/327-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 1,50 mm²; light gray

Item No.: 2734-1106/327-000/010-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 1,50 mm²; light gray

Item No.: 2734-1106/328-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Centered locking levers; 1,50 mm²; light gray

Item No.: 2734-1106/328-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Centered locking levers; Strain relief plate; 1,50 mm²; light gray

Item No.: 2734-1106/327-047
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; direct marking; 1,50 mm²; light gray

Item No.: 2734-1106/327-9037
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; direct marking; 1,50 mm²; light gray

Item No.: 2734-1106/038-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray

Item No.: 2734-1106/038-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray

Item No.: 2734-1106/327-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Strain relief plate; 1,50 mm²; light gray

Item No.: 2734-106
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 1,50 mm²; light gray

Item No.: 2734-106/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; light gray

Item No.: 2734-106/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray

Item No.: 2734-106/033-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Strain relief plate; 1,50 mm²; light gray



1.1.1 Female connector/socket



Item No.: 734-536
THT female header; angled; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-536/037-000
THT female header; angled; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-466
THT female header; straight; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-466/037-000
THT female header; straight; Pin spacing 3.5 mm; 6-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



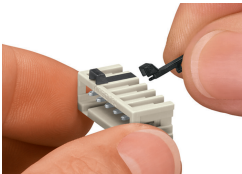
Item No.: 734-159
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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