

Data Sheet | Item Number: 734-509

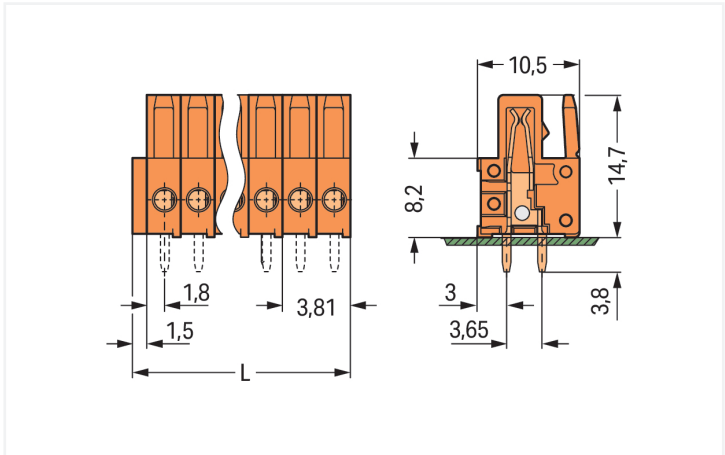
THT female header; straight; Pin spacing 3.81 mm; 9-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange

<https://www.wago.com/734-509>

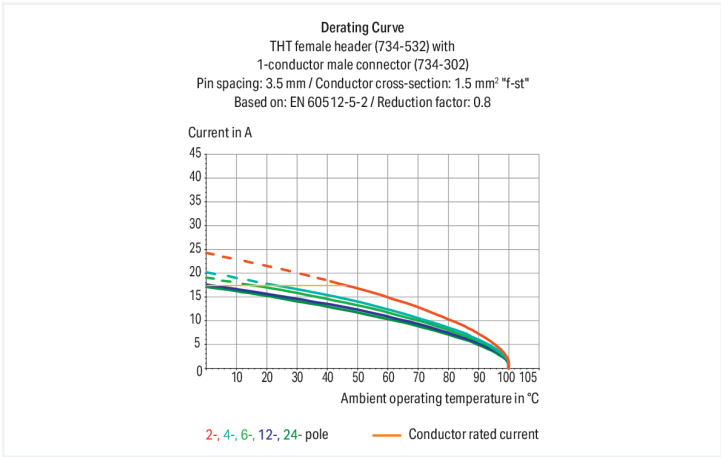


Color: ■ orange

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$



Federleiste/Buchse Serie 734 mit Rastermaß 3,81 mm

Die Federleiste/Buchse hat die Artikelnummer 734-509 und bietet eine reibungslose Elektroinstallation. Mit unseren Leiterplatten-Steckverbindern bekommen Sie ein universelles Steckverbindersystem, das vielseitig eingesetzt 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 (35,79 x 18,5 x 10,5) mm. Für die Oberfläche der Kontakte wurde Zinn eingesetzt. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen. Die Verlotung des Leiterplatten-Steckverbinders erfolgt mittels THT.

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 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			
Clamping units	9	Connection 1	
Total number of potentials	9	Pole number	9
Number of connection types	1		
Number of levels	1		

Physical data							
Pin spacing				3.81 mm / 0.15 inches			
Width				35.79 mm / 1.409 inches			
Height				18.5 mm / 0.728 inches			
Height from the surface				14.7 mm / 0.579 inches			
Depth				10.5 mm / 0.413 inches			
Solder pin length				3.8 mm			
Solder pin dimensions				0.9 x 0.9 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)				Female connector/socket			
Connector (connection type)				for PCB			
Mismating protection				Yes			
Mating direction to the PCB				90 °			

PCB contact							
PCB contact				THT			
Solder pin arrangement				over the entire female connector (in-line)			
Number of solder pins per potential				1			



Material data		
Note (material data)		Information on material specifications can be found here
Color	orange	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Copper alloy	
Contact Plating	Tin	
Fire load	0.08 MJ	
Weight	5.5 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	DE	
GTIN	4045454120337	
Customs tariff number	85366990990	

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	

Approvals / Certificates						
General approvals			Approvals for marine applications			
   			 			
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name	
CB DEKRA Certification B.V.	EN 61984	NL-54190	DNV DNV GL SE	-	TAE000016Z	
CSA DEKRA Certification B.V.	C22.2	1465035	LR Lloyds Register	IEC 61984	96/20035 (E5)	
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522				
UL Underwriters Laboratories Inc.	UL 1977	E 45171				
UR Underwriters Laboratories Inc.	UL 1059	E45172				



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 734-509			↓

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 734-509		EPLAN Data Portal 734-509	↓
		ZUKEN Portal 734-509	↓

PCB Design	
Symbol and Footprint via SamacSys 734-509	↓
Symbol and Footprint via Ultra Librarian 734-509	↓