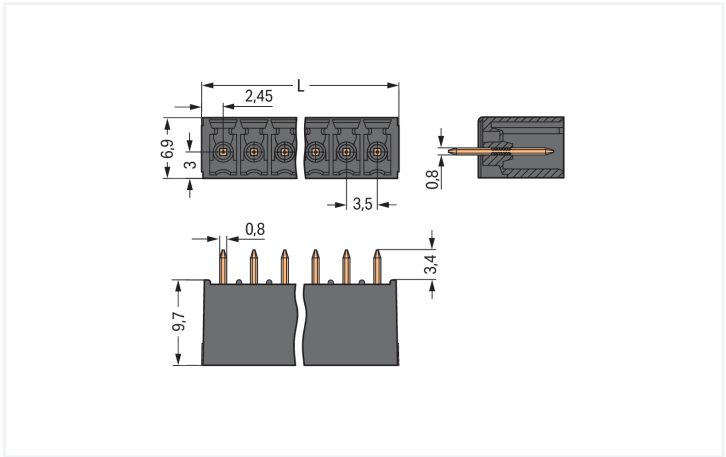


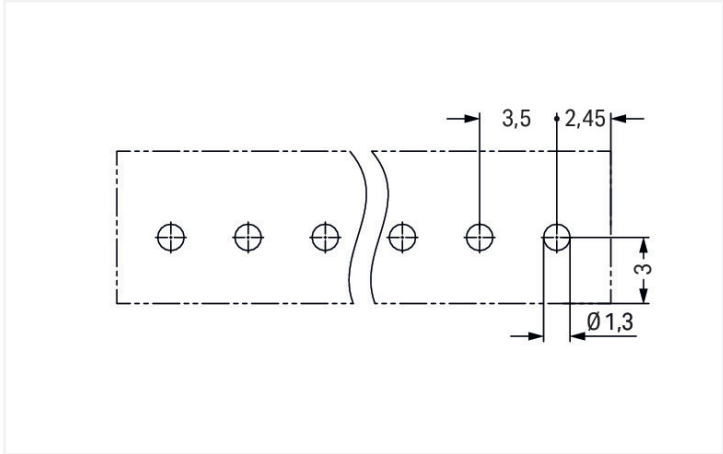
Data Sheet | Item Number: 714-138
THT male header; 0.8 x 0.8 mm solder pin; straight; Pin spacing 3.5 mm; 8-pole;
black
<https://www.wago.com/714-138>



Color: ■ black



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 4.9 \text{ mm}$



Male connector, 714 Series, solder pin dimensions 0.8 x 0.8 mm

This male connector (item number 714-138) simplifies electrical installations. The dimensions are (29.4 x 13.1 x 6.9) 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 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				8 A	8 A	8 A	

Approvals per				UL 1059			
Use group				B	C	D	
Rated voltage				150 V	-	-	
Rated current				8 A	-	-	

Connection Data							
Total number of potentials				8			
Number of connection types				1			
Number of levels				1			

Connection 1							
Pole number				8			

Physical data							
Pin spacing				3.5 mm / 0.138 inches			
Width				29.4 mm / 1.157 inches			
Height				13.1 mm / 0.516 inches			
Height from the surface				9.7 mm / 0.382 inches			
Depth				6.9 mm / 0.272 inches			
Solder pin length				3.4 mm			
Solder pin dimensions				0.8 x 0.8 mm			
Drilled hole diameter with tolerance				1.2 (+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				No			
Mating direction to the PCB				90 °			

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				black			
Material group				I			
Insulation material (main housing)				Polyphthalamide (PPA GF)			
Flammability class per UL94				V0			
Contact material				Electrolytic copper (E _{Cu})			
Contact Plating				Tin			
Fire load				0.017 MJ			
Weight				1.7 g			



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

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454858872
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	NTR NL-7604
KEMA/KEUR DEKRA Certification B.V.	EN 61984	2198681.01

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 714-138

Download icon

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 714-138

CAE data
ZUKEN Portal 714-138

PCB Design
Symbol and Footprint via SamacSys 714-138
Symbol and Footprint via Ultra Librarian 714-138

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 714-108
1-conductor female connector; push-but-
ton; 1.5 mm²; Pin spacing 3.5 mm; 8-pole;
black

Item No.: 714-108/000-047
1-conductor female connector; push-but-
ton; 1.5 mm²; Pin spacing 3.5 mm; 8-pole;
direct marking; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

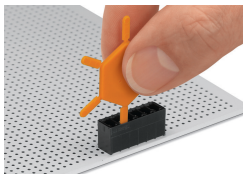
1.2.1.1 Coding



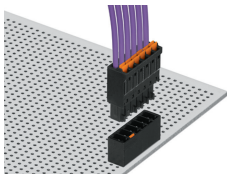
Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a cod-
ing pin.



Coded connectors

