

Data Sheet | Item Number: 714-170

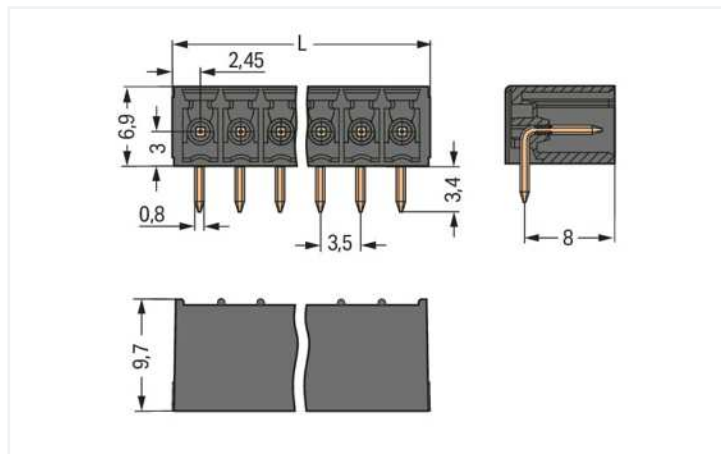
THT male header; 0.8 x 0.8 mm solder pin; angled; Pin spacing 3.5 mm; 10-pole; black

<https://www.wago.com/714-170>



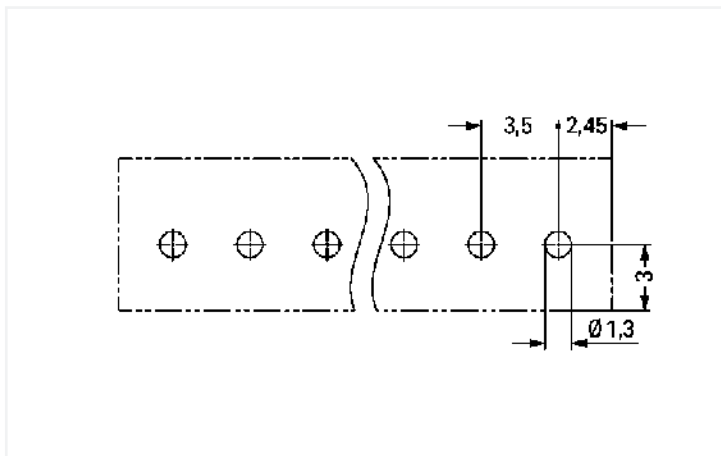
Color: ■ black

Similar to illustration



Dimensions in mm

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



- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Header housing is molded of THR-compatible insulation material for lead-free Reflow soldering
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- Coding option available

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 surge 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	10
Number of connection types	1
Number of levels	1

Connection 1

Pole number	10
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Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	36.4 mm / 1.433 inches
Height	10.3 mm / 0.406 inches
Height from the surface	6.9 mm / 0.272 inches
Depth	9.7 mm / 0.382 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	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	black
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.044 MJ
Weight	2.2 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454859718
Customs tariff number	85366930000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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 714-170



Documentation

Additional Information

Technical Section	03.04.2019	pdf 1949.09 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 714-170



CAE data

ZUKEN Portal 714-170



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 714-110](#)

1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 1,50 mm²; black



[Item No.: 714-110/000-047](#)

1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; direct marking; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



[Item No.: 714-101](#)

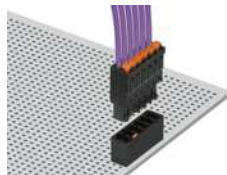
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.



Coded connectors