

Data Sheet | Item Number: 713-1412/107-000

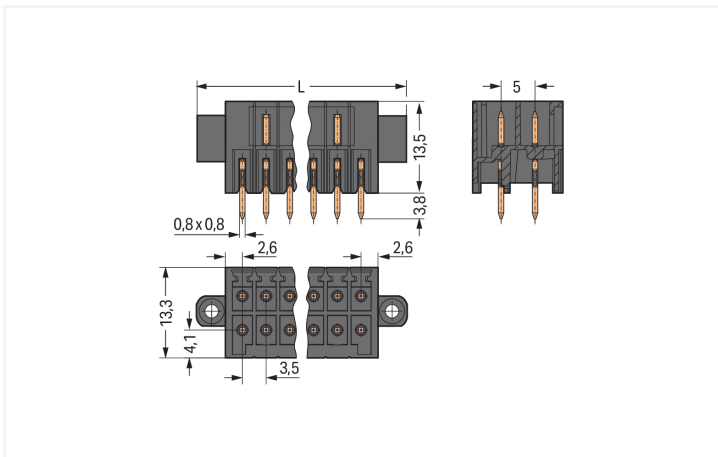
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 24-pole; black

<https://www.wago.com/713-1412/107-000>



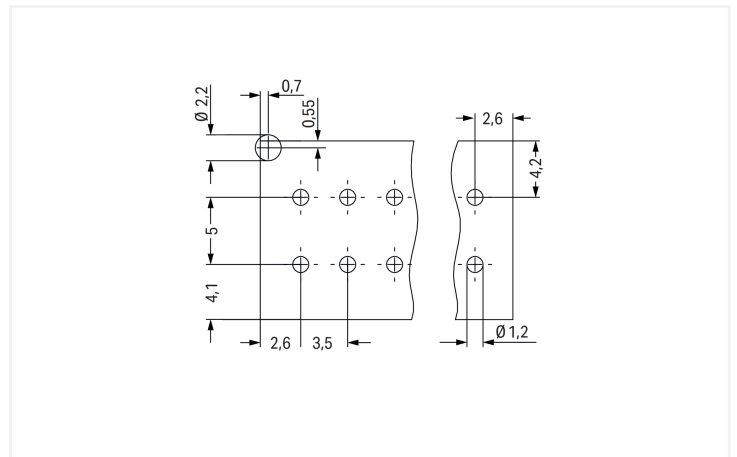
Color: ■ black

Similar to illustration



Dimensions in mm

$L = [(pole\ no./2) - 1] \times pin\ spacing + 13.6\ mm$



Male connector, 713 Series, with 3.5 mm pin spacing

Our male connector (item number 713-1412/107-000) ensures effortless electrical installations. Dimensions: (52.1 x 17.3 x 13.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to assemble the pcb connector.

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 solder pin lengths
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			Approvals per	UL 1059		
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	150 V	50 V	-
Nominal voltage	80 V	160 V	250 V	Rated current	10 A	10 A	-
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Approvals per	CSA		
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	12 A	-	-

Connection Data

Total number of potentials	24	Connection 1	
Number of connection types	1	Pole number	24
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	52.1 mm / 2.051 inches
Height	17.3 mm / 0.681 inches
Height from the surface	13.5 mm / 0.531 inches
Depth	13.3 mm / 0.524 inches
Solder pin length	3.8 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	Yes
Mating direction to the PCB	90 °
Locking of plug-in connection	Threaded flange

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	0.063 MJ
Weight	6.8 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809010
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 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	98a1ba86-0b24-4cfe-9966-e375eb347aa5
SCIP notification number (Belgium)	b8562a18-15ca-446f-84fe-24ab40aa8c32
SCIP notification number (Bulgaria)	2c8d5f6f-7ae7-4148-885e-9a8921e5ef94
SCIP notification number (Czech Republic)	b48e4993-9d50-476b-930c-12868bcc1a40
SCIP notification number (Denmark)	948f81f3-6ead-42fe-a3ce-f04e3abea1e8
SCIP notification number (Finland)	5295d494-c784-4942-8dd9-8476c4f65b1f
SCIP notification number (France)	310b7397-bb6a-4a42-9da6-86f9e77ca48a
SCIP notification number (Germany)	594cd55e-fb56-4621-b46b-9f4fb2e1e134
SCIP notification number (Hungary)	3d8b3d4a-2641-4e3d-aec5-f6f43155504a
SCIP notification number (Italy)	fc6d3e23-6fc7-4aed-aa1a-74af2cd1cac5
SCIP notification number (Netherlands)	088a3b0b-820a-4f61-95fc-7dfb45bb8a8e
SCIP notification number (Poland)	a288701d-7f7d-4e98-9479-f6a71f7f6e6b
SCIP notification number (Romania)	43284e89-40ce-4529-b3ca-7666ceffca70
SCIP notification number (Sweden)	00499aab-3f2b-4f02-8528-d5b9f46b2f7c

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427
CSA CSA Group	C22.2	2315087
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-126089

Downloads

Environmental Product Compliance


Compliance Search
Environmental Product Compliance 713-1412/107-000

Documentation


Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB

CAD/CAE-Data


CAD data


2D/3D Models
713-1412/107-000 

CAE data

ZUKEN Portal
713-1412/107-000 

PCB Design

Symbol and Footprint
via SamacSys
713-1412/107-000 

Symbol and Footprint
via Ultra Librarian
713-1412/107-000 

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1112/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; black

Item No.: 713-1112/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1112/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1112/107-047/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1112/107-9037/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

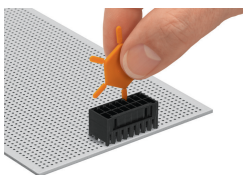
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com