

Data Sheet | Item Number: 713-1411/107-000

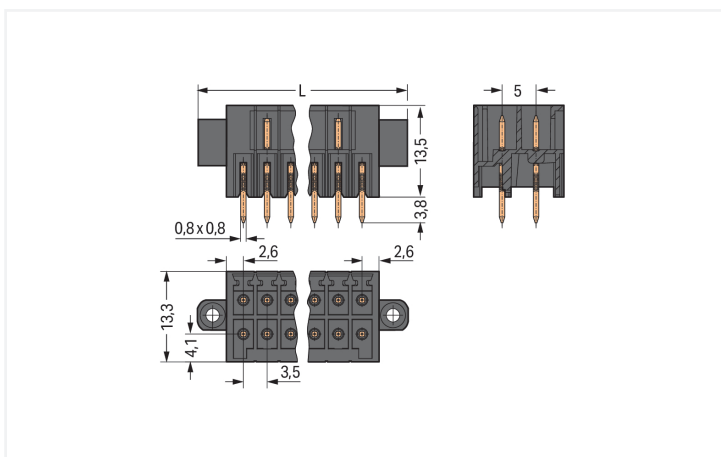
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 22-pole; black

<https://www.wago.com/713-1411/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, solder pin dimensions 0.8 x 0.8 mm

Our male connector (item number 713-1411/107-000) simplifies electrical installations. Dimensions: (48.6 x 17.3 x 13.3) 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 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		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	250 V
Rated impulse withstand 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	150 V	50 V	-
Rated current	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	22
Number of connection types	1
Number of levels	2

Connection 1

Pole number	22
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Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	48.6 mm / 1.913 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	0.058 MJ
Weight	6.3 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	4045454809003
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)	4d387158-11cb-4347-92d5-d5dbb6fb7715
SCIP notification number (Belgium)	cfd321cc-49c5-4d4f-b845-e9cd674dd5b0
SCIP notification number (Bulgaria)	3dc92ebf-d39c-4109-9a95-fd7ae3d71f30
SCIP notification number (Czech Republic)	c631afcb-2c60-4e2f-aab1-d236d1ca29f9
SCIP notification number (Denmark)	32b47222-f79b-4f7e-a144-381604bf4de4
SCIP notification number (Finland)	23a7040e-842a-44b2-9246-af7482ac075f
SCIP notification number (France)	d19a676a-b012-4c27-9152-7aa50616f99e
SCIP notification number (Germany)	4bbfa7a0-e8ef-48a7-80dc-b6894e5cb9b6
SCIP notification number (Hungary)	34520038-f7e5-4e0a-9064-2f64ef9a2b46
SCIP notification number (Italy)	9fd30ea2-2201-4d34-84be-7e336453ebf7
SCIP notification number (Netherlands)	c127e870-411c-41e8-a772-c7366f8b1cba
SCIP notification number (Poland)	8b5607b7-c8b2-4415-9958-59ffce07f862
SCIP notification number (Romania)	af5f168c-5813-4ad5-886d-b002bac431cd
SCIP notification number (Sweden)	17f65fb9-6ceb-47ae-a1ec-2ede045d57ef

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 713-1411/107-000	↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
713-1411/107-000

CAE data

ZUKEN Portal
713-1411/107-000

PCB Design

Symbol and Footprint
via SamacSys
713-1411/107-000

Symbol and Footprint
via Ultra Librarian
713-1411/107-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1111/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 22-pole; 100% protected against mismatching; Screw flange; black

Item No.: 713-1111/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 22-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1111/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 22-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1111/107-047/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 22-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1111/107-9037/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 22-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

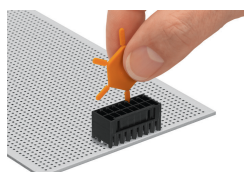
1.2.1.1 Coding



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