

Data Sheet | Item Number: 713-1416/107-000

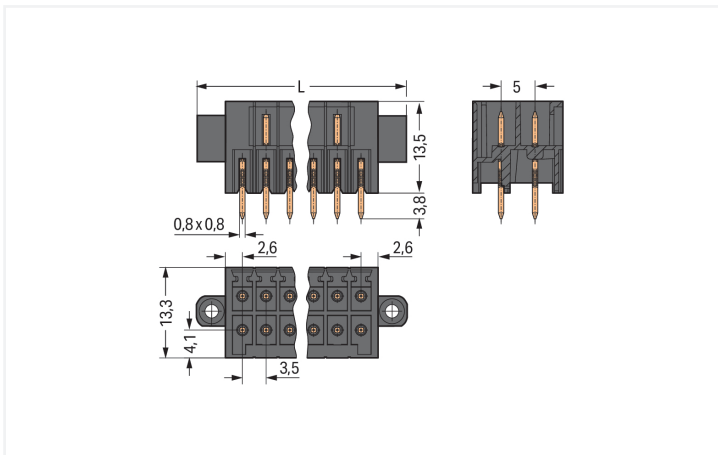
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 32-pole; black

<https://www.wago.com/713-1416/107-000>



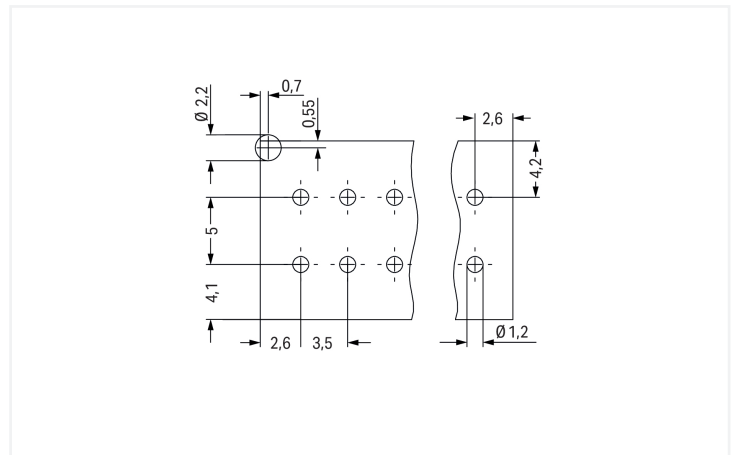
Color: ■ black

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 713-1416/107-000) simplifies electrical installations. The item's dimensions are (66.1 x 17.3 x 13.3) mm (width x height x depth).

The contact surface is coated with tin. 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		
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	32
Number of connection types	1
Number of levels	2

Connection 1

Pole number	32
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Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	66.1 mm / 2.602 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	0.173 MJ
Weight	8.7 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809065
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)	a0f15684-cea0-4e07-9925-d862b7839532
SCIP notification number (Belgium)	46ae52e6-b588-4554-b2c4-cbad074878e6
SCIP notification number (Bulgaria)	532b8c88-0d4b-4919-b7db-2778b2802ae9
SCIP notification number (Czech Republic)	146ac79f-e120-49d5-9f21-7e1d2bad4610
SCIP notification number (Denmark)	b954bbbe-5e9f-4d00-bd7f-8f92a73cb600
SCIP notification number (Finland)	f710d4a8-e5a3-4457-99c9-6c5c222aa30f
SCIP notification number (France)	1c26c1de-189e-4413-86a5-5bfbbdbd1086
SCIP notification number (Germany)	f79769fe-f7db-466d-9c75-cdab92841496
SCIP notification number (Hungary)	8ddb2bf-f87f-4c1a-bcd3-1a77c3a4906c
SCIP notification number (Italy)	1fd6b36b-fc58-4e9b-980b-1dc0bf11af23
SCIP notification number (Netherlands)	8969c9ab-8b1d-4a7c-961f-fa8f487d6ffa
SCIP notification number (Poland)	0a1745fd-0989-44d1-82d2-67039e7748de
SCIP notification number (Romania)	051375dd-4a9b-4c9f-80df-d490c98649d3
SCIP notification number (Sweden)	355f4903-0a6a-475a-81ec-38081ee0f8b4

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 713-1416/107-000	↓
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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models
713-1416/107-000



CAE data

ZUKEN Portal
713-1416/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1416/107-000



Symbol and Footprint
via Ultra Librarian
713-1416/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1116/107-000

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 32-pole; 100% protected against
mismatching; Screw flange; black



Item No.: 713-1116/107-047

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 32-pole; 100% protected against
mismatching; Screw flange; direct marking;
black



Item No.: 713-1116/107-9037

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 32-pole; 100% protected against
mismatching; Screw flange; direct marking;
black



Item No.: 713-1116/107-047/035-000

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 32-pole; 100% protected against
mismatching; Screw flange; Strain relief pla-
te; direct marking; black



Item No.: 713-1116/107-9037/035-000

1-conductor female connector, 2-row; CA-
GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;
32-pole; 100% protected against mismatch-
ing; Screw flange; Strain relief plate; direct
marking; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

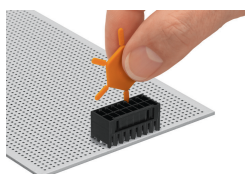


Item No.: 714-101

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a co-
ding pin.

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

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