

Data Sheet | Item Number: 713-1434/107-000

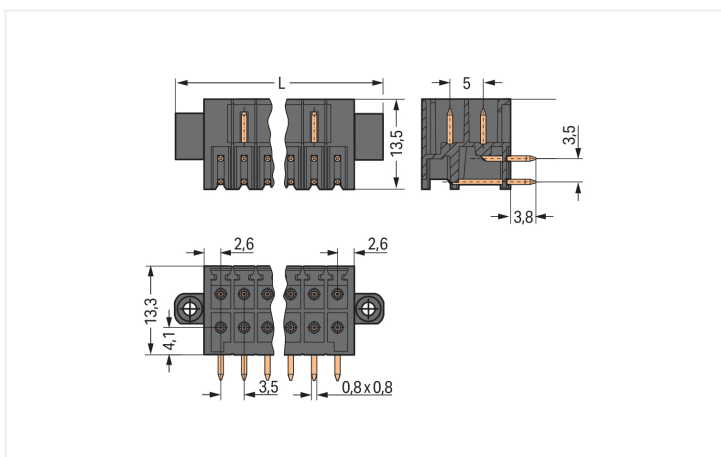
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 28-pole; black

<https://www.wago.com/713-1434/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, black

Easy electrical installations are guaranteed with this male connector (item number 713-1434/107-000). Dimensions: (59.1 x 17.1 x 13.5) 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			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	28	Connection 1	
Number of connection types	1	Pole number	28
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	59.1 mm / 2.327 inches
Height	17.1 mm / 0.673 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 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	0°
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	0.154 MJ
Weight	8.3 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	4045454809218
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)	c0a03b52-6929-4522-917a-a791d184ba31
SCIP notification number (Belgium)	5d343685-4c81-499e-a952-1a349c9b1bcc
SCIP notification number (Bulgaria)	dccf15e9-d258-48e8-8021-b3827d042c90
SCIP notification number (Czech Republic)	8c72575b-96a9-4594-ab20-44f343aefdea
SCIP notification number (Denmark)	2af1f20d-19f7-46c3-af12-ad72af4e8dbd
SCIP notification number (Finland)	480e73d4-4e07-46ad-b71a-bd9cb22a1653
SCIP notification number (France)	6034bb45-b05d-4dd9-abd3-c1680cf5ecf4
SCIP notification number (Germany)	83c2b5a7-0b85-4bcf-9560-5320d4e8637f
SCIP notification number (Hungary)	727e5bb7-3c4c-45ca-9cef-a47cf7af65fc
SCIP notification number (Italy)	8b9c8bea-afc5-4932-be55-2372766c0733
SCIP notification number (Netherlands)	10b18650-52cf-4fbc-aebd-d757dc4b21c0
SCIP notification number (Poland)	890e27bf-4f7d-4e46-abb5-05ecf074e649
SCIP notification number (Romania)	bdd91500-9097-4513-a474-45d21f164366
SCIP notification number (Sweden)	1ba46426-77f1-45c2-9295-5bc8645a941b

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	71-133740

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 713-1434/107-000	↓
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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
713-1434/107-000



CAE data

ZUKEN Portal
713-1434/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1434/107-000



Symbol and Footprint
via Ultra Librarian
713-1434/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1114/107-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-pole; 100% protected against mismatching; Screw flange; black



Item No.: 713-1114/107-047

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-pole; 100% protected against mismatching; Screw flange; direct marking; black



Item No.: 713-1114/107-9037

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-pole; 100% protected against mismatching; Screw flange; direct marking; black



Item No.: 713-1114/107-047/034-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1114/107-9037/034-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-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

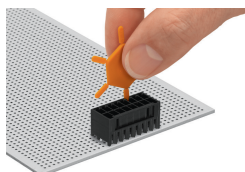


Item No.: 714-101

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