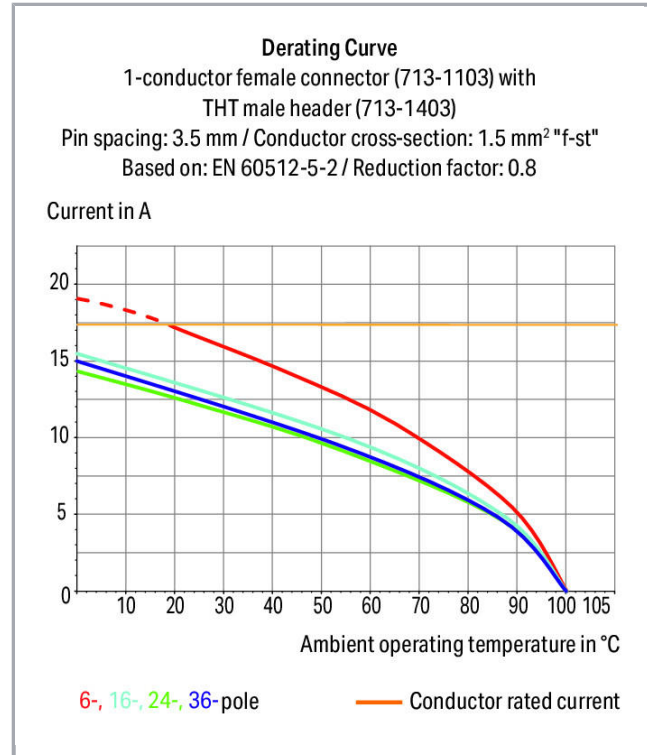
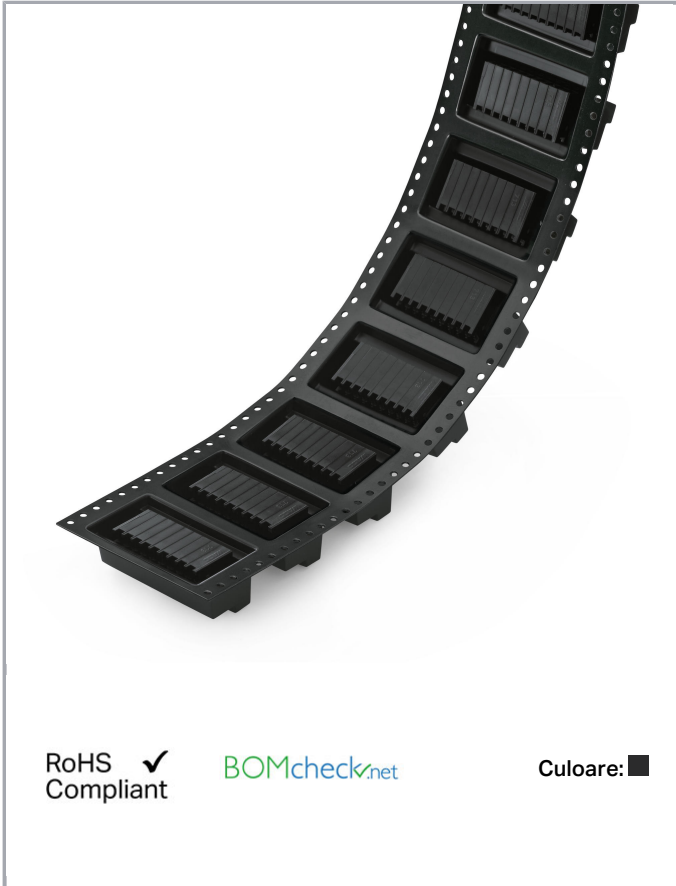


## Fișă tehnică | Număr articol: 713-1430/117-000/997-408

THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 2 x 10-pole; black



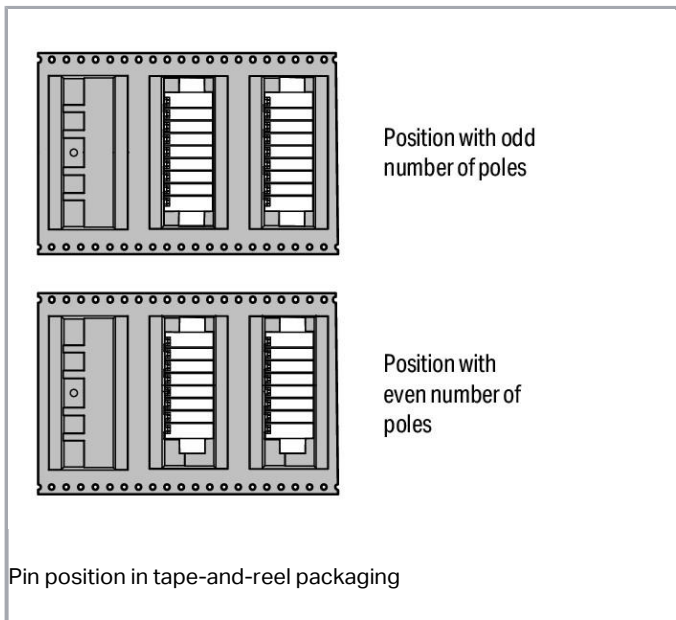
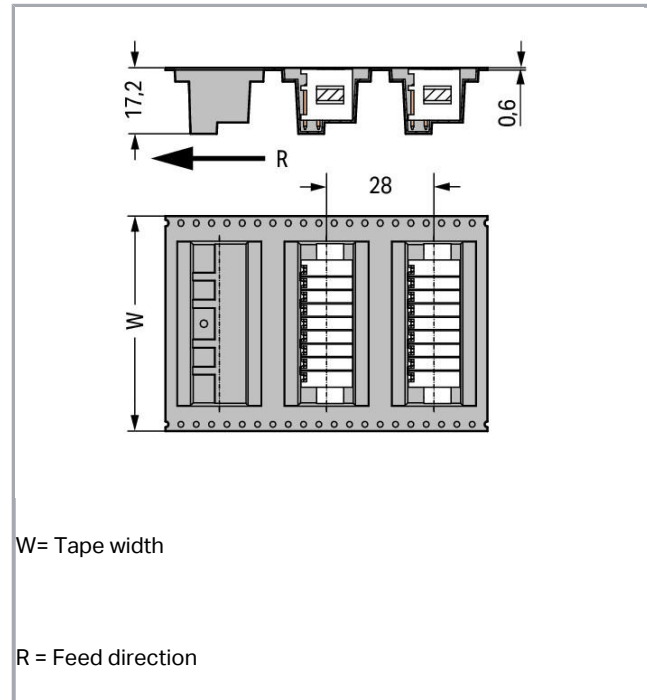
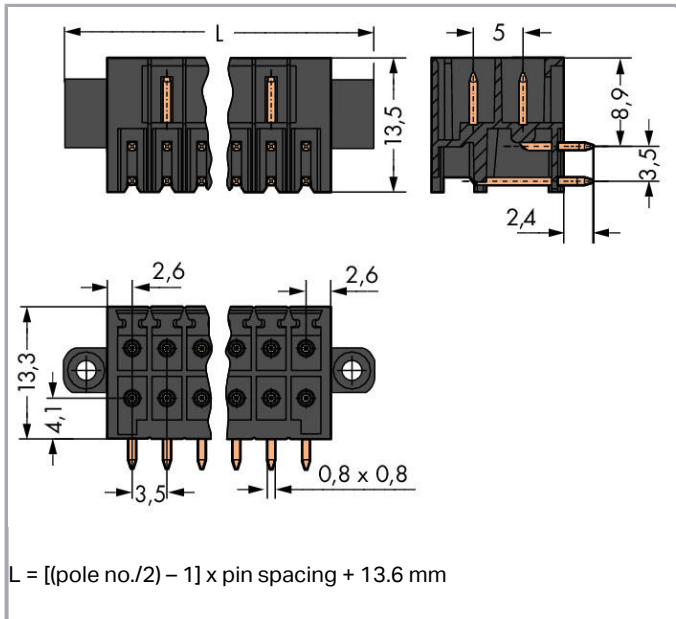
[www.wago.com/713-1430/117-000/997-408](http://www.wago.com/713-1430/117-000/997-408)



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building 1, 2nd floor | 077190 Voluntari, Ilfov  
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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- 100% protected against mismatching

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- Coding pins available

**Safety information 1:**

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

**Date****Electrical data****Ratings per IEC/EN 60664-1**

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	80 V
Rated surge voltage (III/3)	2,5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2,5 kV
Nominal voltage (II/2)	250 V
Rated surge voltage (II/2)	2,5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

**Approvals per UL 1059**

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group C)	50 V
Rated current UL (Use Group C)	10 A
Approvals per	UL 1059

**Approvals per CSA**

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	12 A

**Connection data**

Pole No.	20
Total number of potentials	20
Number of connection types	1
Number of levels	2

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## Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	45.1 mm / 1.776 inch
Height	15.7 mm / 0.618 inch
Height from the surface	13.3 mm / 0.524 inch
Depth	13.5 mm / 0.531 inch
Solder pin length	2,4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.3 <sup>(+0.1)</sup> mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	72 mm

## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCBs
Mismating protection	Yes
Mating direction to the PCB	0°
Locking of plug-in connection	Threaded flange

## PCB contact

PCB contact	THR
Solder pin arrangement	over the entire male connector, in line
Number of solder pins per potential	1

## Material Data

Color	black
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Weight	6,5 g

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## Environmental Requirements


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

## Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4055143778848
Customs tariff number	85366990990

## Aprobări / certificate

### UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	20190122- E45172

## Counterpart



Nr. articol 713-1110/107-000

1-conductor female connector, 2-row; 100% protected against mismatching; Screw flange; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 20-pole; 1,50 mm<sup>2</sup>; black

[www.wago.com/713-1110/107-000](http://www.wago.com/713-1110/107-000)

## Descărcări

### Documentation

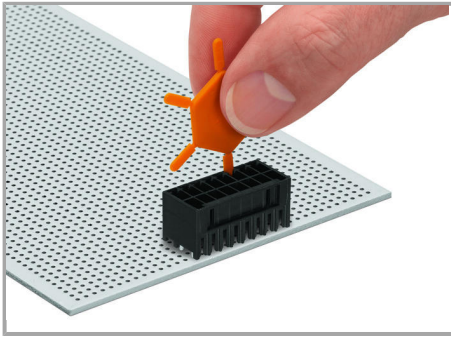
#### Additional Information

Technical explanations	Apr 3, 2019	pdf 3,6 MB	Descărcare
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## Installation Notes

### Coding

Supus modificărilor.



Coding a male header by inserting a coding pin.

## Familie de produse

*MCS* MINI HD

Afișare globală produse din familie.

Supus modificărilor.