

Data sheet | Item number: 733-333/105-604/997-446

THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against
mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 3-pole



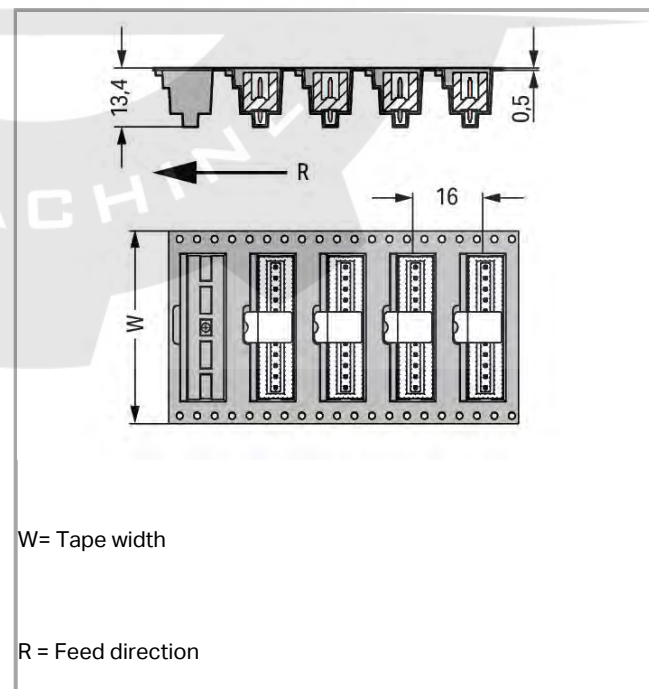
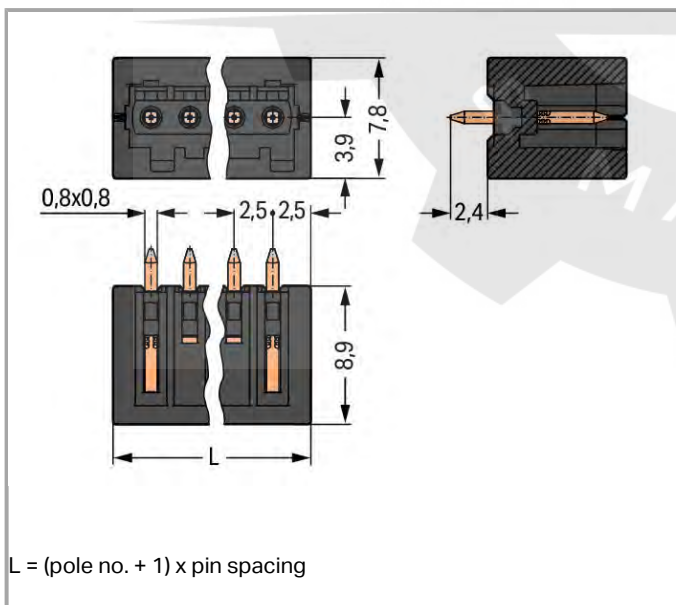
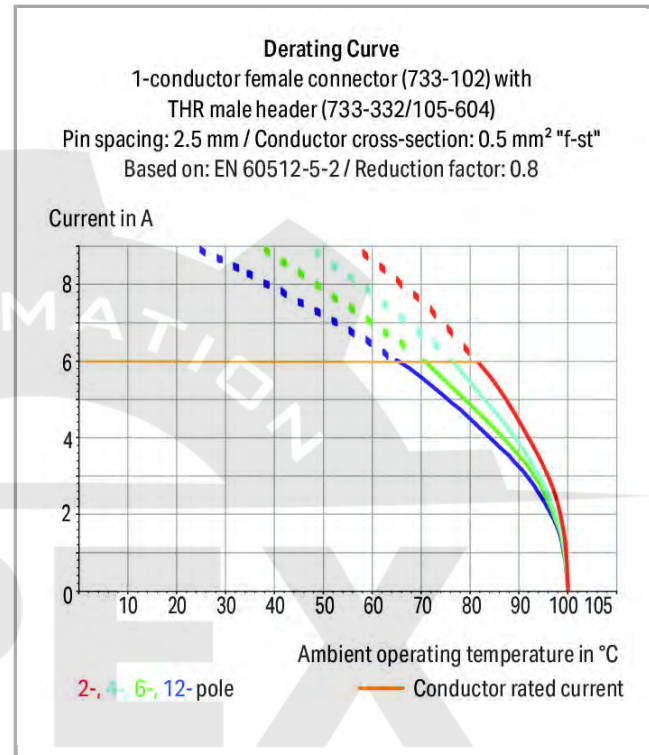
733-333/105-604/997-446

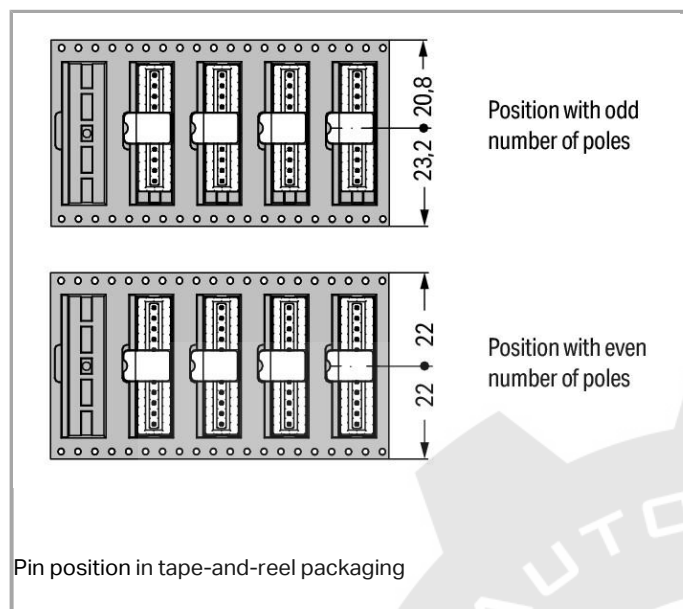


RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:





Item description

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 100% protected against mismatching
- Coding via coding fingers

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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	80 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
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Rated current UL (Use Group B)	4 A
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Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

No. of poles	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	10 mm / 0.394 inch
Height	11.3 mm / 0.445 inch
Height from the surface	8.9 mm / 0.35 inch
Depth	7.8 mm / 0.307 inch
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	44 mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°

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
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0



Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.016 MJ
Weight	0.69 g

Environmental Requirements

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

Country of origin	DE
GTIN	4045454814496
Customs Tariff No.	85366990990

Compatible products

Coding



Item no.: 733-331
Coding key; snap-on type

733-331

Downloads

CAD/CAE - Smart Data

PCB libraries

DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)	2.1 Oct 6, 2014	zip 6.1 MB	Download
Compatible with DesignSpark PCB Version 4.x or higher			
EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)	2.1 Oct 6, 2014	zip 6.2 MB	Download
Compatible with EAGLE PCB Design Software Version 6.x or higher			
TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System)	1.1.0 Oct 6, 2014	zip 7.4 MB	Download
Compatible with TARGET PCB Design Software Version 17.x			

Subject to changes.