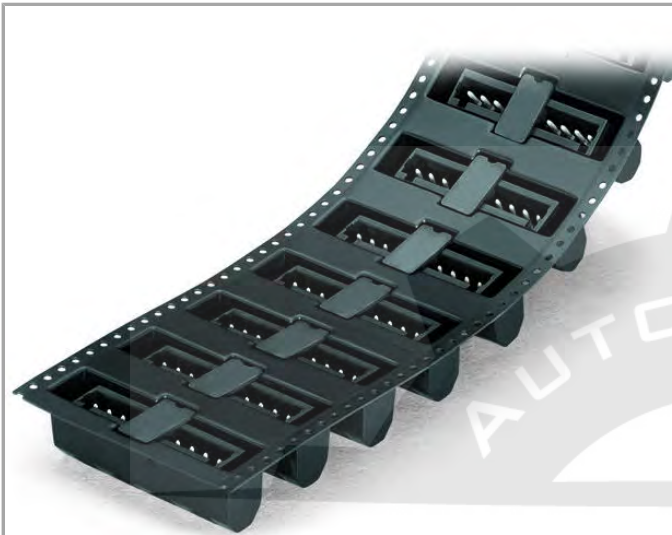


Data sheet | Item number: 734-232/105-604/997-405

THR male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.81 mm; 2-pole



734-232_105-604_997-405



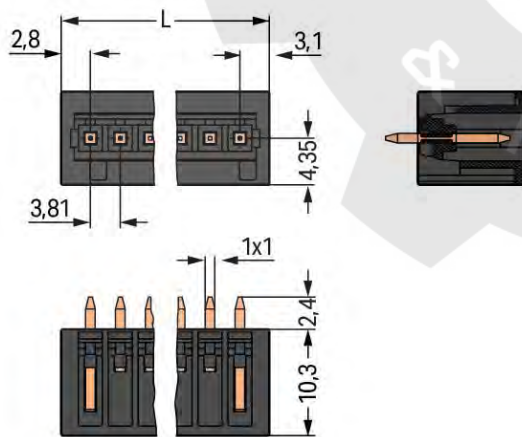
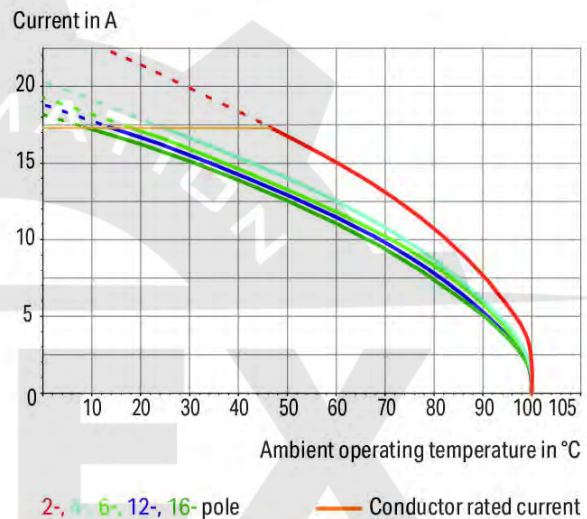
RoHS
Compliant

BOMcheck.net

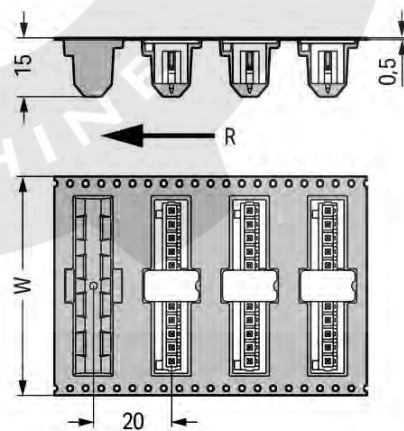
Color: ■

Derating Curve

1-conductor female connector (734-102) with
THR male header (734-132/105-604)
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$



W= Tape width

R = Feed direction

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)	160 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	10 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

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

Geometrical Data

Pin spacing	3.81 mm / 0.15 inch
Width	9.71 mm / 0.382 inch
Height	12.7 mm / 0.5 inch
Height from the surface	10.3 mm / 0.406 inch
Depth	8.5 mm / 0.335 inch
Solder pin length	2.4 mm
Solder pin dimensions	1 x 1 mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	32 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	0.023 MJ
Weight	0.666 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Country of origin	DE
GTIN	4045454899066



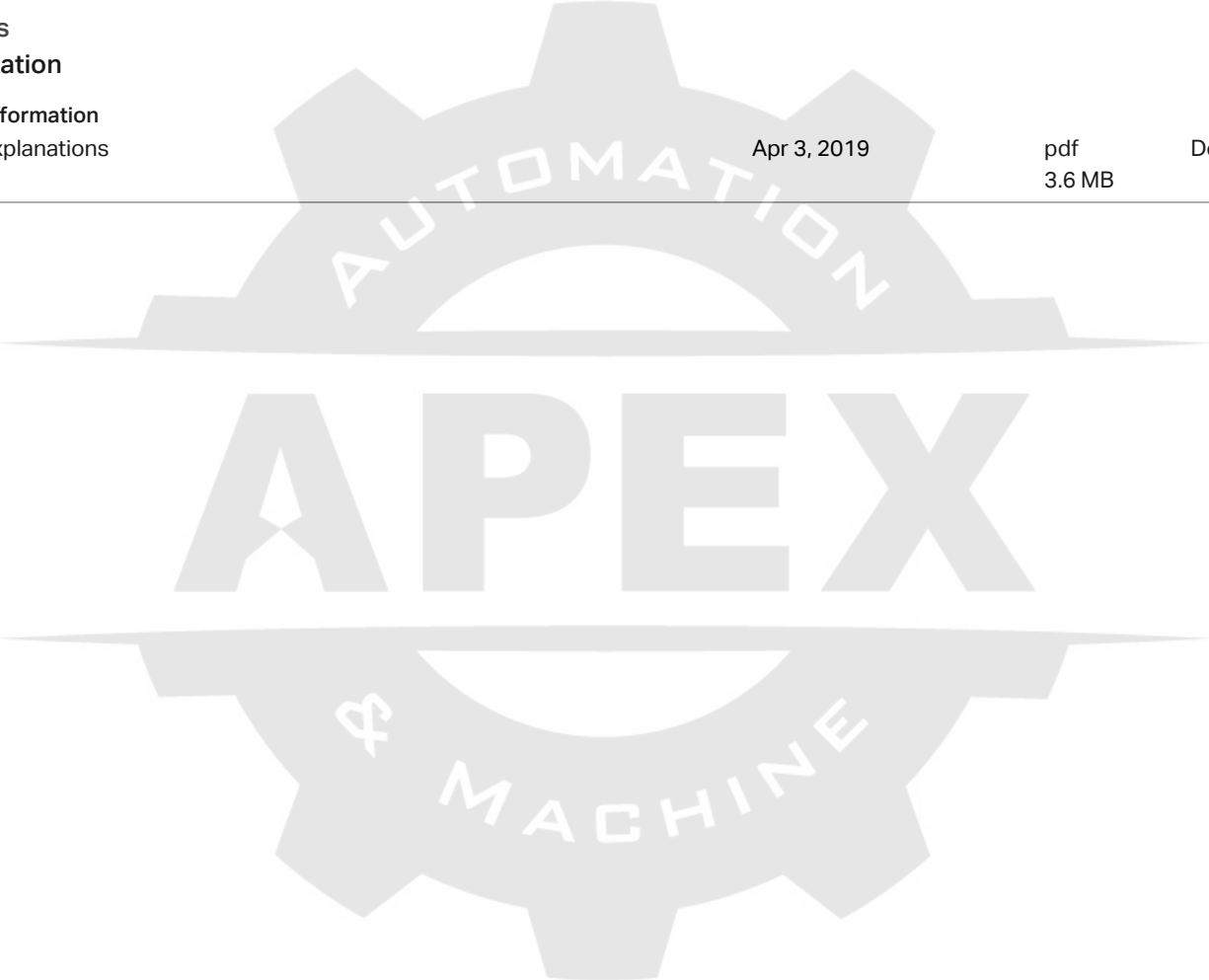
Customs Tariff No.	85366990990
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Compatible products

Coding		
	Item no.: 734-159 Coding key; to be snapped above top level	734-159

Downloads
Documentation

Additional Information			
Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download



Subject to changes.