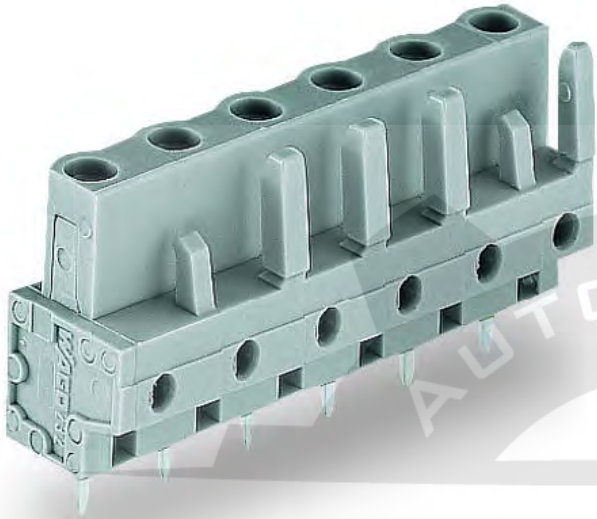


Data sheet | Item number: 232-737

THT female header; 0.6 x 1.0 mm solder pin; straight; Pin spacing 7.5 mm; 7-pole



232-737



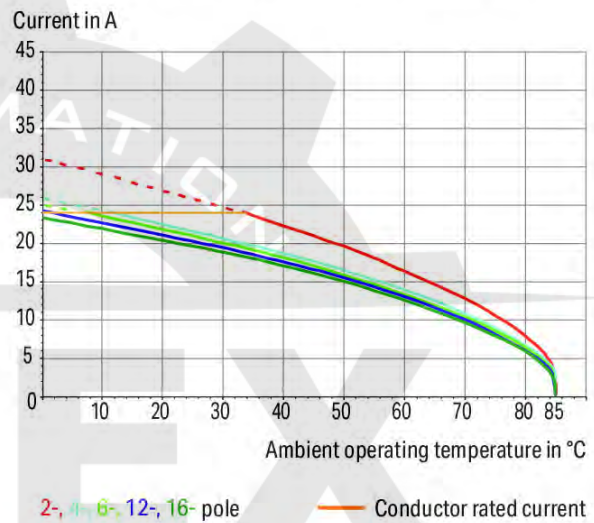
RoHS
Compliant

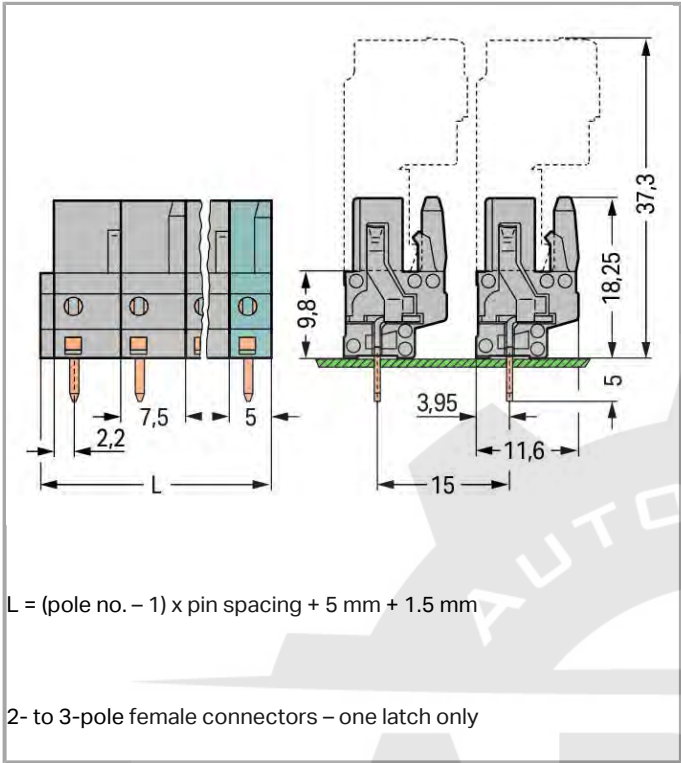
BOMcheck.net

Color: ■

Derating Curve

THT female header (232-832) with
1-conductor male connector (731-602)
Pin spacing: 7.5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8





Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- With 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)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV
Rated voltage (II / 2)	1000 V

Rated impulse voltage (II / 2)	6 kV
Rated current	12 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

No. of poles	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	7.5 mm / 0.295 inch
Width	51.5 mm / 2.028 inch
Height	23.25 mm / 0.915 inch
Height from the surface	18.25 mm / 0.719 inch
Depth	11.6 mm / 0.457 inch
Solder pin length	5 mm
Solder pin dimensions	0.6 x 1 mm
Drilled hole diameter (tolerance)	1.3 ^(- ... +0.1) mm

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for PCBs
Mismating protection	No

Mating direction to the PCB

90°

PCB contact

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

Material Data

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.145 MJ
Weight	7.67 g

Environmental Requirements

Limit temperature range	-60 ... +85 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Country of origin	DE
GTIN	4044918625913
Customs Tariff No.	85366990990

Approvals / Certificates**Country specific Approvals**

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241537-



DNV GL

Det Norske Veritas, Germanischer Lloyd

EN 60998

TAE000016Z

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR	UL 1977	E45171
	Underwriters Laboratories Inc.		
	UR	UL 1059	E45172
	Underwriters Laboratories Inc.		

Compatible products

Marking accessories

	Item no.: 210-833	210-833
	Marking strips; on reel; 6 mm wide; plain; Self-adhesive	
	Item no.: 210-834	210-834
	Marking strips; on reel; 5 mm wide; plain; Self-adhesive	
check		
	Item no.: 210-136	210-136
	Test plug; 2 mm Ø; with 500 mm cable	
	Item no.: 210-137	210-137
	Test plug; 2.3 mm Ø; with 500 mm cable	
	Item no.: 231-662	231-662
	Test plugs for female connectors; for 7.5 mm and 7.62 mm pin spacing	

Downloads

Documentation

Additional Information

pdf
3.6 MB

Download



CAD/CAE - Smart Data

CAD data

3D Download 232-737	URL	Download
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Subject to changes.