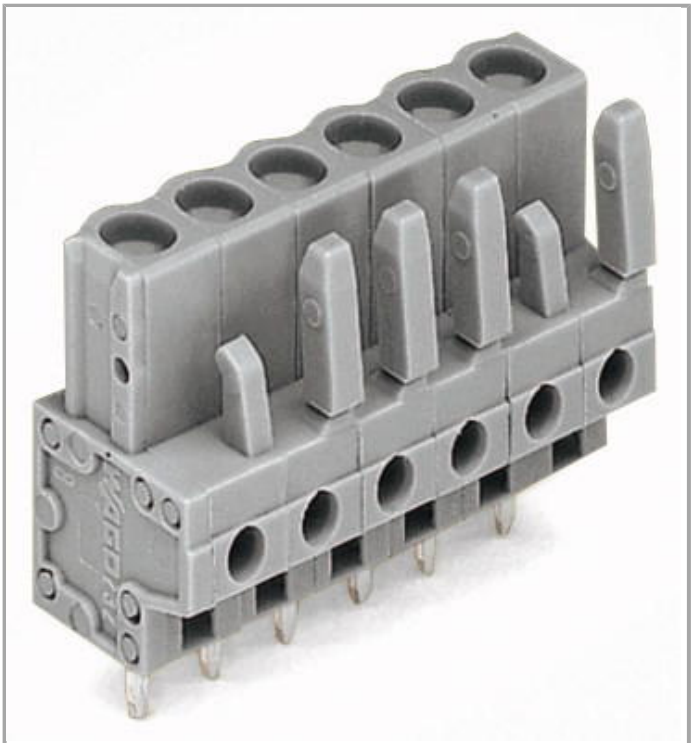
Data sheet | Item number: 232-145

THT female header; 0.6 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 15-pole

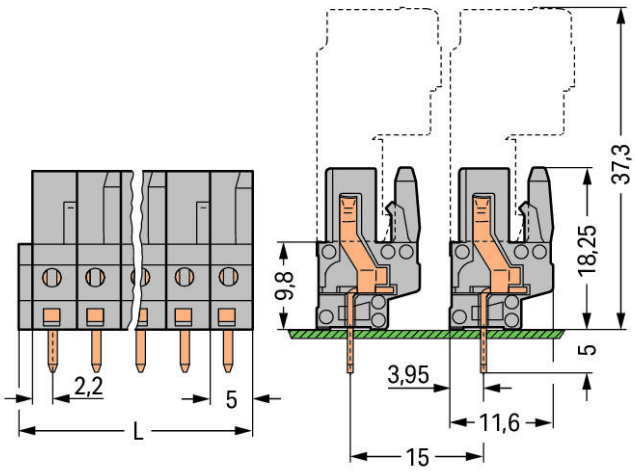
www.wago.com/232-145



RoHS ✓ Compliant

BOMcheck.net

Color:



L = (pole no. x pin spacing) + 1.5 mm

2- to 3-pole female connectors – one latch only

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

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/: 3.8 mm pin projection for male headers with straight solder pins,Gold-plated or partially gold-plated contact surfaces,Other pole numbers

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	320 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

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 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	15
Total number of potentials	15
Number of levels	1

Geometrical Data

Pin spacing	5 mm (0.197 inch)
Width	76.5 mm / 3.012 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	0.243 MJ
Weight	13.882 g

Environmental Requirements

Limit temperature range	-60 … +85 °C

Commercial data

Country of origin	DE
GTIN	4044918578592
Customs Tariff No.	85366990990
Product Group	3 (Multi Conn. System)

Approvals / Certificates

Country specific Approvals

Logo	Approval	Certificate name
	CB DEKRA Certification B.V.	NL-39756
	CSA DEKRA Certification B.V.	1466354
	CSA DEKRA Certification B.V.	1466354

	KEMA/KEUR DEKRA Certification B.V.	2190761.01

Ship Approvals

Logo	Approval	Certificate name
	ABS American Bureau of Shipping	14-HG1241537-PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAE 000016Z

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH	E45172
	UR UL International Germany GmbH	E45171
	UR UL International Germany GmbH	E45171

Compatible products

check

	Item no.: 231-661 Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing	www.wago.com/231-661

Downloads

smartDATA

CAD data

3D Download 232-145	URL	Download

PCB libraries

TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System)	1.1.0	ZIP	Download

Compatible with TARGET PCB Design Software Version 17.x	Oct 6, 2014	7.4 MB	
EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with EAGLE PCB Design Software Version 6.x or higher	2.1 Nov 17, 2017	ZIP 6.2 MB	Download
DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	ZIP 6.1 MB	Download

Subject to changes.

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