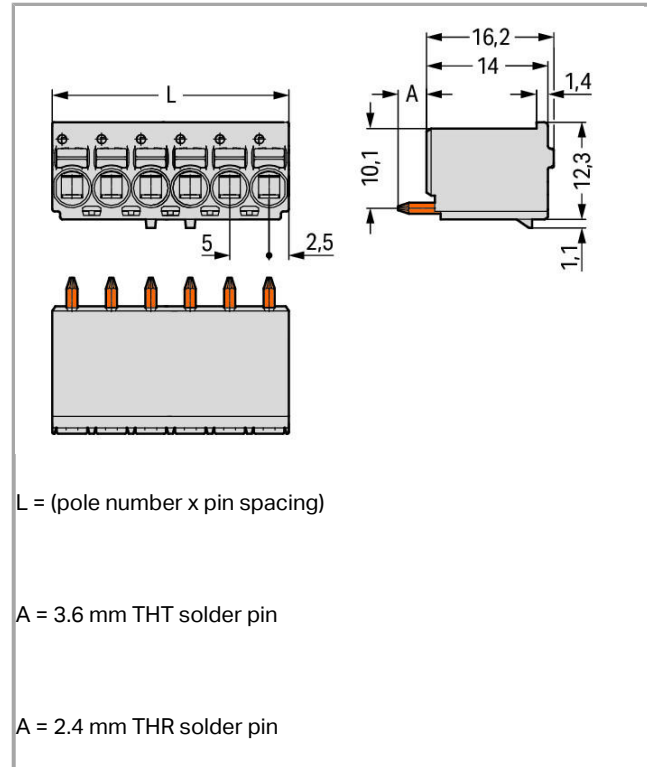
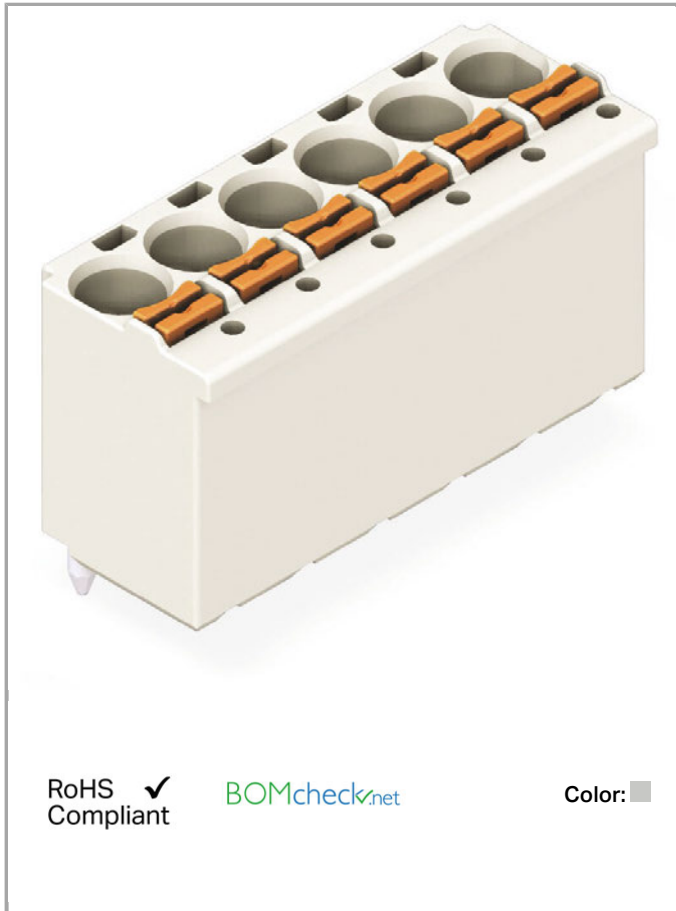


## Data sheet | Item number: 2092-1182/200-000

1-conductor THR female header; 1.4 mm Ø solder pin; straight; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 2,50 mm<sup>2</sup>; light gray



2092-1182\_200-000



RoHS  Compliant

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

Color:

### Item description

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require specialty tools
- Ability to wire while mated or unmated
- Integrated test ports for testing parallel to conductor entry
- Factory-installed, straight or angled solder pins allow horizontal or vertical mounting to the PCB

### Safety information 1:

The **picoMAX<sup>®</sup> pluggable connection system** 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)	250 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	16 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

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 2.5 mm <sup>2</sup> / 24 12 AWG
Fine-stranded conductor	0.2 2.5 mm <sup>2</sup> / 24 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 1.5 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 2.5 mm <sup>2</sup>
Strip length	9 10 mm / 0.35 0.39 inch
Conductor entry angle to the PCB	90°
Total number of connection points	12
Total number of potentials	12
Number of connection types	1
Number of levels	1
No. of poles	12

### Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	60 mm / 2.362 inch
Height	16.2 mm / 0.638 inch
Depth	13.4 mm / 0.528 inch
Solder pin length	2.4 mm
Solder pin diameter	1.4 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	THR
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## Material Data

Color	light gray
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.262 MJ
Weight	13.28 g

## Environmental Requirements


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

Country of origin	DE
GTIN	4050821395447
Customs Tariff No.	85366990990


## Approvals / Certificates

### Radio-Approvals



Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-49737
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	IEC 61984	71-10226

### Country specific Approvals



Certificate

Logo	Approval	Additional Approval Text	name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-49737
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	IEC 61984	71-10226



## Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>UR</b> Underwriters Laboratories Inc.	UL 1977	E45171

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>UR</b> Underwriters Laboratories Inc.	UL 1977	20170428- E45171

## Compatible products

<b>check</b>			
	<b>Item no.: 735-500</b> Test pin; 1 mm Ø; with solder connection for test wire		735-500
<b>tools</b>			
	<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft		210-719

## Downloads

## Documentation

## Additional Information



Technical explanations

Apr 3, 2019

pdf  
3.6 MB

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## CAD/CAE - Smart Data

### CAD data

3D Download 2092-1182/200-000

URL

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## Product family

picoMAX eCOM

Show all products from the family

Subject to changes.

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