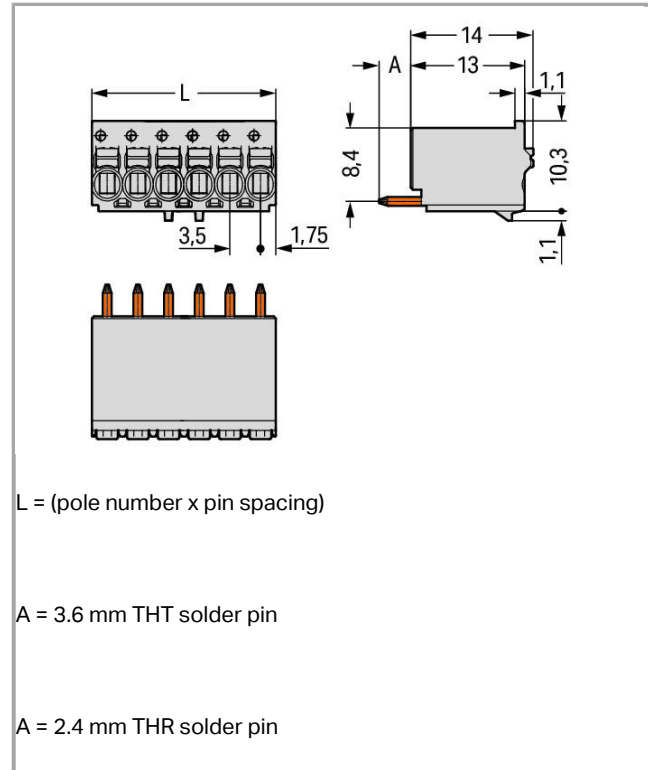
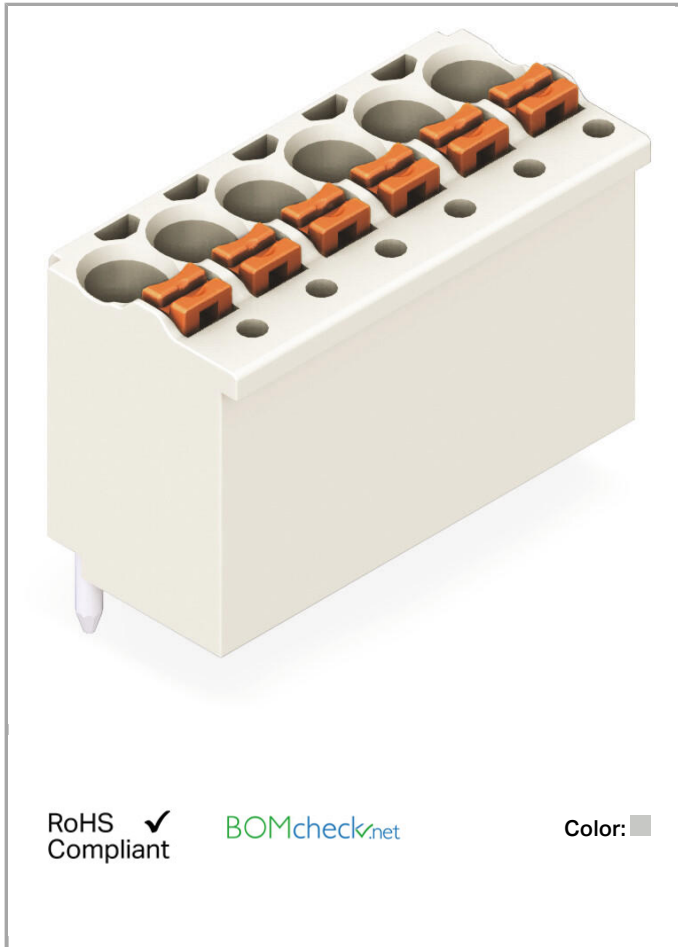


## Data sheet | Item number: 2091-1177/200-000/997-407

1-conductor THR female header; 1.0 mm Ø solder pin; straight; in tape-and-reel packaging; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 7-pole; 1,50 mm<sup>2</sup>; light gray



2091-1177\_200-000\_997-407



$L = (\text{pole number} \times \text{pin spacing})$

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

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)	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

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 1.5 mm <sup>2</sup> / 24 14 AWG
Fine-stranded conductor	0.2 1.5 mm <sup>2</sup> / 24 14 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 0.75 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 1.5 mm <sup>2</sup>
Strip length	8 9 mm / 0.31 0.35 inch
Conductor entry angle to the PCB	90°
Total number of connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1
No. of poles	7

### Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	24.5 mm / 0.965 inch
Height	14 mm / 0.551 inch
Depth	11.4 mm / 0.449 inch
Solder pin length	2.4 mm
Solder pin diameter	1 mm

## Plug connection

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

## 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
Weight	4.074 g

## Environmental Requirements



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

Country of origin	DE
GTIN	4055143485418
Customs Tariff No.	85366990990


## Approvals / Certificates

### Other Approvals




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

### UL-Approvals

Certificate

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

## Compatible products

check		
	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	735-500
tools		
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719
Coding		
	Item no.: 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing; orange	2091-1610

## Downloads

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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## Product family

picoMAX eCOM

[Show all products from the family](#)

Subject to changes.