

## Data sheet | Item number: 2092-1153/000-5000

1-conductor THT female header; 1.4 mm Ø solder pin; straight; Gripping plate; direct marking; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; 2,50 mm<sup>2</sup>; light gray



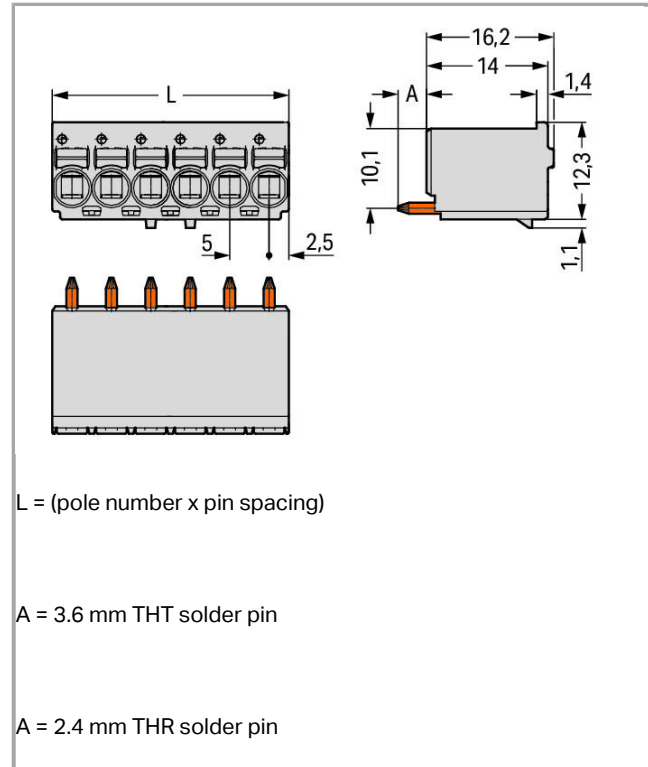
2092-1153\_000-5000



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 special tools

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- Ability to wire while mated or unmated
- Integrated test ports for testing parallel to conductor entry
- Custom-installed solder pins

**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 <sup>®</sup>
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	3
Total number of potentials	3
Number of connection types	1
Number of levels	1
No. of poles	3

## Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	15 mm / 0.591 inch
Height	34 mm / 1.339 inch
Depth	13.4 mm / 0.528 inch
Solder pin length	3.6 mm
Solder pin diameter	1.4 mm
Drilled hole diameter (tolerance)	1.6 <sup>(- ... +0.1)</sup> mm

## Mechanical data

Design	With gripping plate
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## 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
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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	0.072 MJ
Weight	3.57 g

## Environmental Requirements

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



Country of origin	DE
GTIN	4050821357452

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>CSA</b> DEKRA Certification B.V.	C22.2	2362521
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	IEC 61984	71-10226


### Country specific Approvals

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### Other Approvals

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

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	<b>cURus</b> 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

## Downloads

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
3.6 MB

Download

## Product family

picoMAX eCOM

Show all products from the family

Subject to changes.