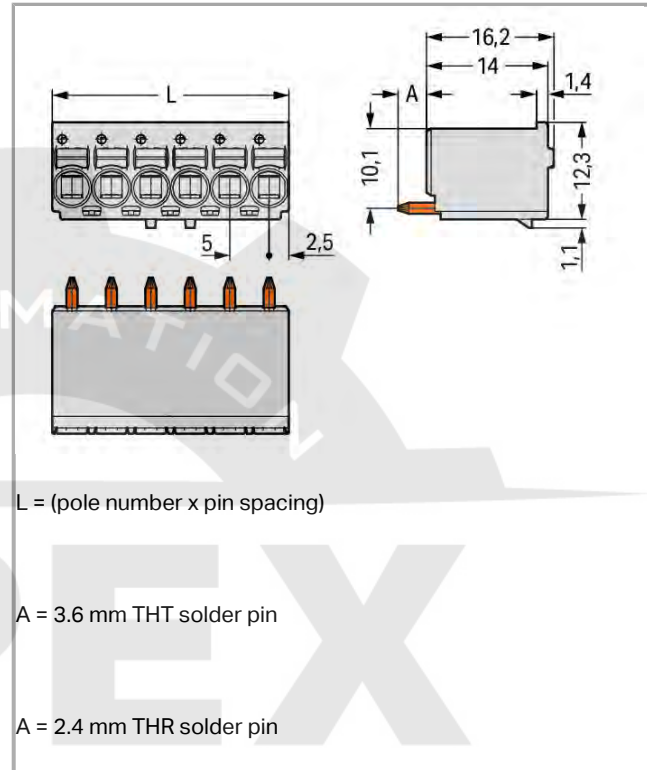


Data sheet | Item number: 2092-1180/000-5000

1-conductor THT female header; 1.4 mm Ø solder pin; straight; direct marking; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray



2092-1180_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
- 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[®] 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 mm² / 24	12 AWG
Fine-stranded conductor	0.2	2.5 mm² / 24	12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25	1.5 mm²	
Fine-stranded conductor with ferrule without plastic collar	0.25	2.5 mm²	
Strip length	9	10 mm / 0.35	0.39 inch
Conductor entry angle to the PCB	90°		
Total number of connection points	10		
Total number of potentials	10		
Number of connection types	1		
Number of levels	1		
No. of poles	10		

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	50 mm / 1.969 inch
Height	16.2 mm / 0.638 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^(- ... +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
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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 _{Cu})
Contact plating	tin-plated
Fire load	0.223 MJ
Weight	11.319 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Country of origin	DE
GTIN	4050821360056
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	CSA DEKRA Certification B.V.	C22.2	2362521



KEMA/KEUR
 DEKRA Certification B.V.

IEC 61984

71-10226

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71-10226

Other Approvals

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

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus 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

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Product family

picoMAX eCOM

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Subject to changes.