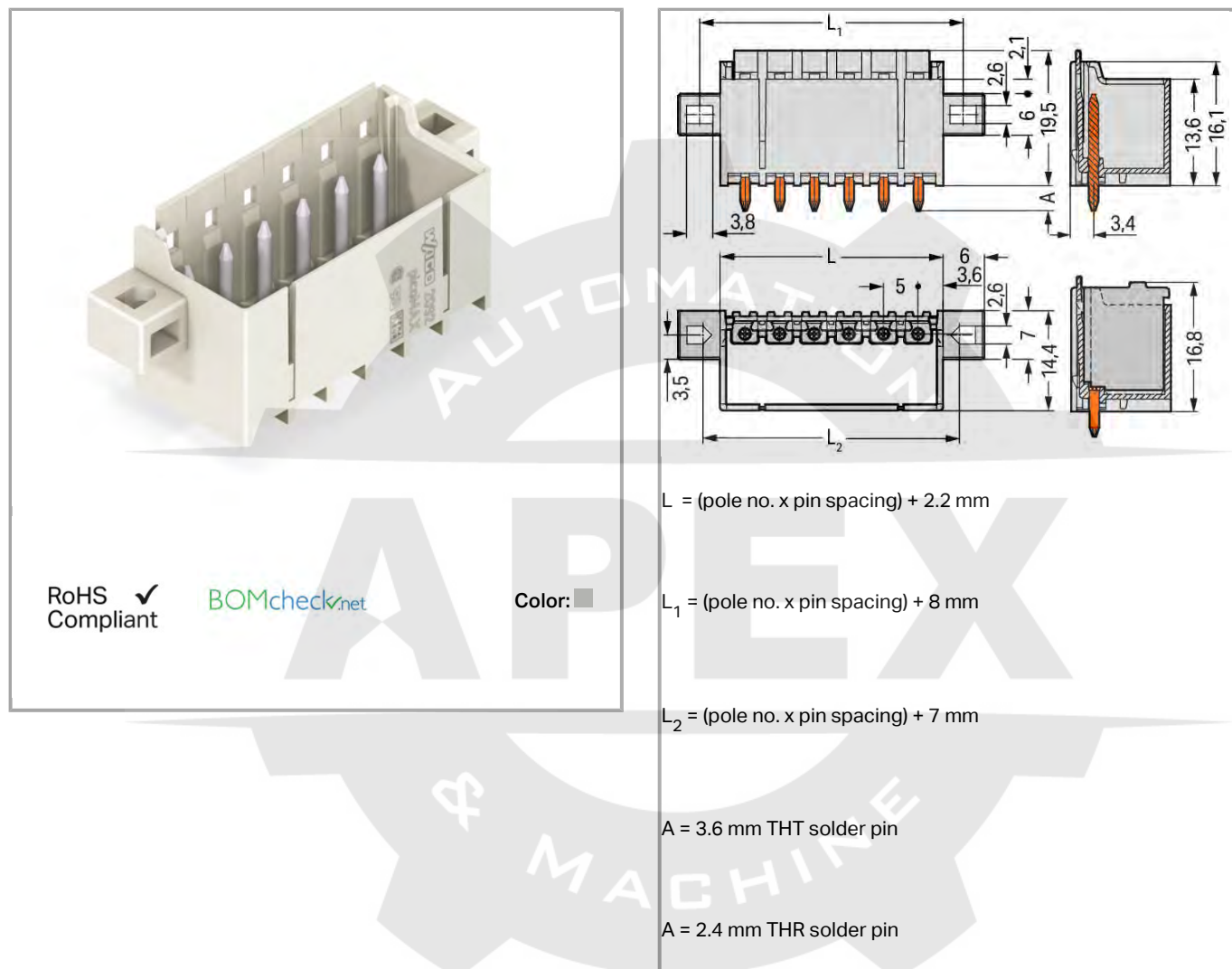


## Data sheet | Item number: 2092-1408/005-000

THT male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 8-pole; light gray



2092-1408\_005-000



### Item description

- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header
- Coding pins inserted into the header interface prevent mismatching, allowing subsequent coding in panel feedthrough applications
- The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g

### 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

Total number of potentials	8
Number of connection types	1
Number of levels	1
No. of poles	8

#### Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	54.2 mm / 2.134 inch
Height	23.1 mm / 0.909 inch
Height from the surface	19.5 mm / 0.768 inch
Depth	14.4 mm / 0.567 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

Mounting type	Mounting flange
Type of mounting	Feed-through mounting Panel mounting

## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	90°
Locking of plug-in connection	Male locking latch

## 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
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.102 MJ
Weight	5.07 g

## Environmental Requirements


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

Country of origin	DE
GTIN	4050821638186
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	IEC 61984	71-





DEKRA Certification B.V.

102261



#### Country specific 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- 102261

#### 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

#### Downloads

##### Documentation

##### Additional Information

Technical explanations

Apr 3, 2019

pdf

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## Product family

picoMAX

Show all products from the family



Subject to changes.