

## Data sheet | Item number: 2092-3422

THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 2-pole



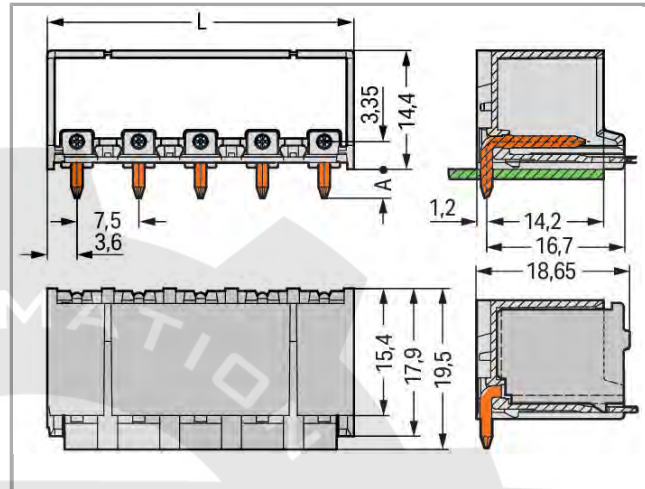
2092-3422



RoHS Compliant

BOMcheck.net

Color:



$L = (\text{pole number} - 1) \times \text{pin spacing} + 7.2 \text{ mm}$

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

### 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 mismating, 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)

400 V

Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 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
Rated current UL (Use Group D)	10 A

### Connection data

No. of poles	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	7.5 mm / 0.295 inch
Width	14.7 mm / 0.579 inch
Height	18 mm / 0.709 inch
Height from the surface	14.4 mm / 0.567 inch
Depth	19.5 mm / 0.768 inch
Solder pin length	3.6 mm
Solder pin diameter	1.4 mm
Drilled hole diameter (tolerance)	1.6 <sup>(- ... +0.1)</sup> mm

### Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismatching protection	No
Mating direction to the PCB	0°
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	0.04 MJ
Weight	1.8 g

## Environmental Requirements




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

Product Group	26 (picoMAX)
Country of origin	DE
GTIN	4050821164678
Customs Tariff No.	85366990990

## Approvals / Certificates

### 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.	EN 61984	71- 102261
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71- 102261

### UL-Approvals

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



UR	UL 1977	20170428-E45171
Underwriters Laboratories Inc.		

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Product family

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Subject to changes.