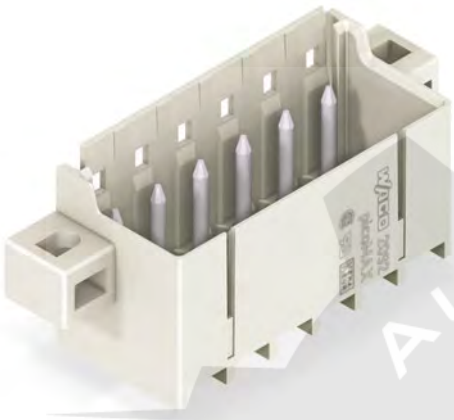
THR male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole; light gray

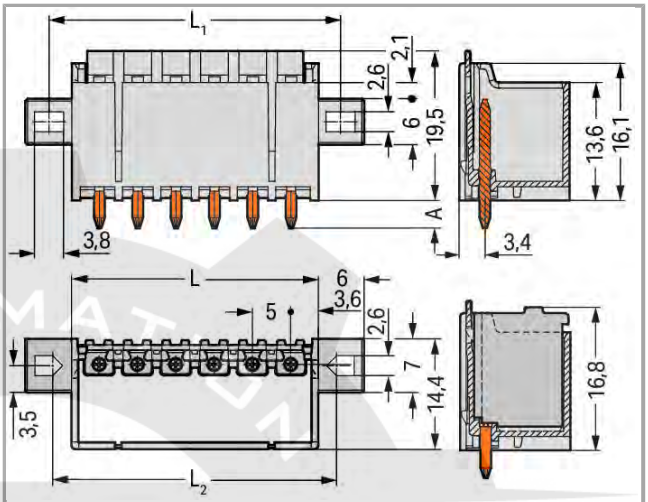
2092-1404_205-000



RoHS ✓ Compliant

BOMcheck.net

Color:



L = (pole no. x pin spacing) + 2.2 mm

L_1 = (pole no. x pin spacing) + 8 mm

L_2 = (pole no. x pin spacing) + 7 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)	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	4
Number of connection types	1
Number of levels	1
No. of poles	4

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	34.2 mm / 1.346 inch
Height	21.9 mm / 0.862 inch
Height from the surface	19.5 mm / 0.768 inch
Depth	14.4 mm / 0.567 inch
Solder pin length	2.4 mm
Solder pin diameter	1.4 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	THR

Material Data

Color	light gray
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.067 MJ
Weight	2.98 g

Environmental Requirements

Limit temperature range	-60 +100 °C

Commercial data

Country of origin	DE
GTIN	4050821395713
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49737
	KEMA/KEUR DEKRA Certification B.V.	IEC 61984	71-102261

Country specific Approvals

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

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

Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	E45171

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	20170428-E45171

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE - Smart Data

CAD data

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Product family

picoMAX
Show all products from the family

Subject to changes.