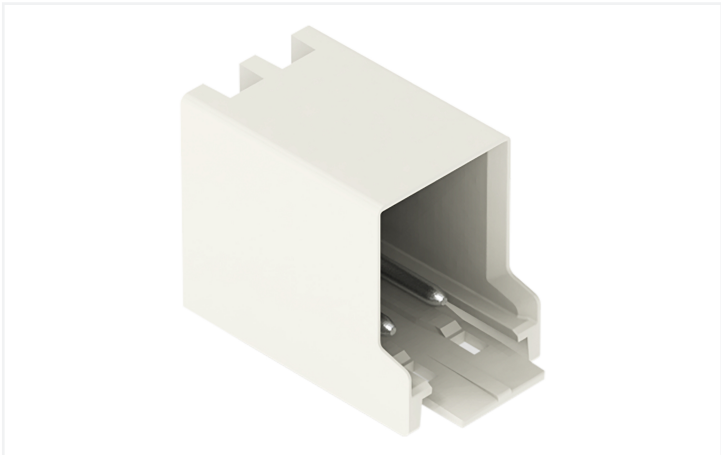
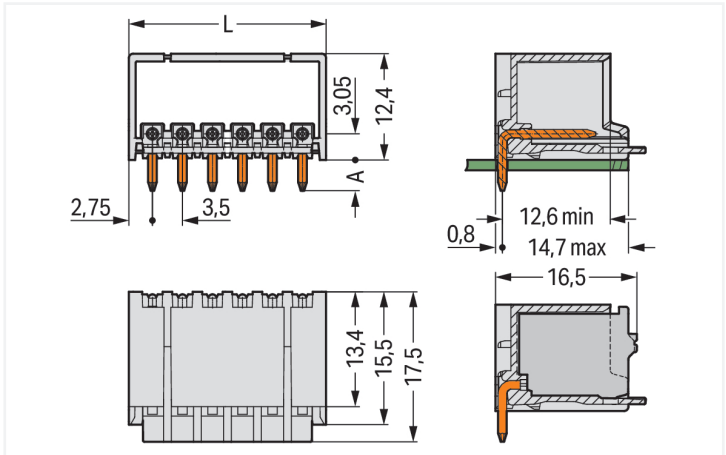
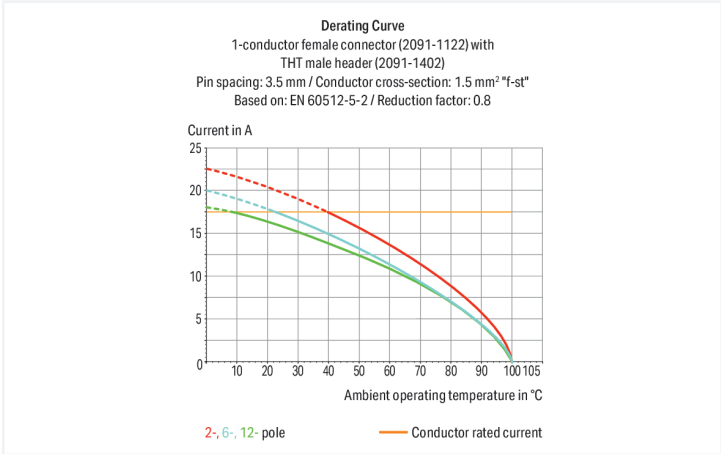




Color: ■ light gray



Dimensions in mm
L = (pole no. x pin spacing) + 2.0 mm
A = 3.6 mm THT solder pin
A = 2.4 mm THR solder pin



Stiftleiste Serie 2091 mit Rastermaß 3,5 mm

Bei dieser Stiftleiste mit der Artikelnummer 2091-1422/200-000 ist eine reibungslose Elektroinstallation der Fokus. Unsere Leiterplatten-Steckverbinder ermöglichen Ihnen die größtmögliche Flexibilität bei unterschiedlichen Montagearten. In Breite x Höhe x Tiefe betragen die Maße (9 x 14,8 x 17,5) mm. Die Oberfläche der Kontakte besteht aus Zinn. picoMAX® ist das kompakte Steckverbindersystem mit innovativem Design. Es verwendet die Kontaktkraft einer einzigen Cr-Ni-Stahlfeder zweifach – sowohl für den Anschluss des Leiters als auch für die Kontaktierung des Steckerstiftes. Der Leiterplatten-Steckverbinder wird mittels THR verlötet.

Notes	
Safety Information	The picoMAX® Pluggable Connection System includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must 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.

Variants:	Direct marking Tape-and-reel packaging Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .
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Electrical data

Ratings per IEC/EN 60664-1				Approvals per UL 1059			
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	160 V	160 V	320 V	Rated current	10 A	-	10 A
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Connection data

Total number of potentials	2	Connection 1	
Number of connection types	1	Pole number	2
Number of levels	1		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	9 mm / 0.354 inches
Height	14.8 mm / 0.583 inches
Height from the surface	12.4 mm / 0.488 inches
Depth	17.5 mm / 0.689 inches
Solder pin length	2.4 mm
Solder pin diameter	1 mm
Plated through-hole diameter (THR)	1.2 (+0.1) mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Plugging without loss of pin spacing	Yes
Mating direction to the PCB	0°
Locking of plug-in connection	Locking latch

PCB contact

PCB contact	THR
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Material data

Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{CU})
Contact Plating	Tin
Fire load	0.024 MJ
Weight	1 g
MSL per J-STD 020D	1



Environmental requirements		
Limit temperature range		-60 ... +100 °C
Processing temperature		-35 ... +60 °C

Commercial data		
PU (SPU)		200 pcs
Packaging type		Box
Country of origin		DE
GTIN		4050821396215
Customs tariff number		85366930000

Product classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-02
eCl@ss 9.0		27-44-04-02
ETIM 9.0		EC002637
ETIM 8.0		EC002637
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-49736/A1
CSA DEKRA Certification B.V.	C22.2	2362521
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-102260 REV.1
UL Underwriters Laboratories Inc.	UL 1977	E45171
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance	2091-1422/200-000		↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓
		pdf 611.20 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models	2091-1422/200-000
	↓

CAE data	
ZUKEN Portal	2091-1422/200-000
	↓

PCB Design	
Symbol and Footprint via SamacSys	2091-1422/200-000
	↓
Symbol and Footprint via Ultra Librarian	2091-1422/200-000
	↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 2091-1122
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

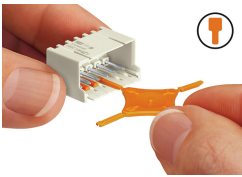


1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding



Item No.: 2091-1610
Coding key carrier; suitable for 3.5 mm pin spacing; orange

Installation Notes
Coding



Coding a male header (via coding key carrier and two keys for male header, see symbol).