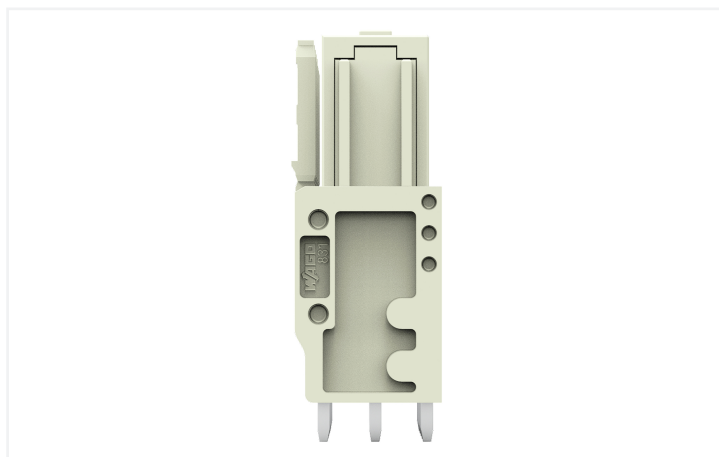
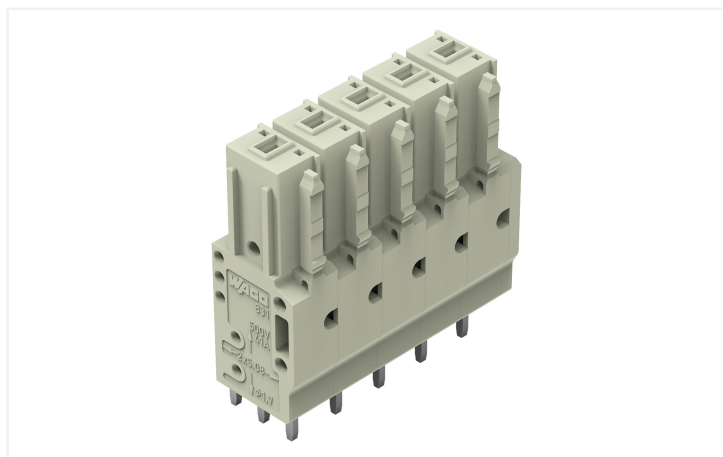


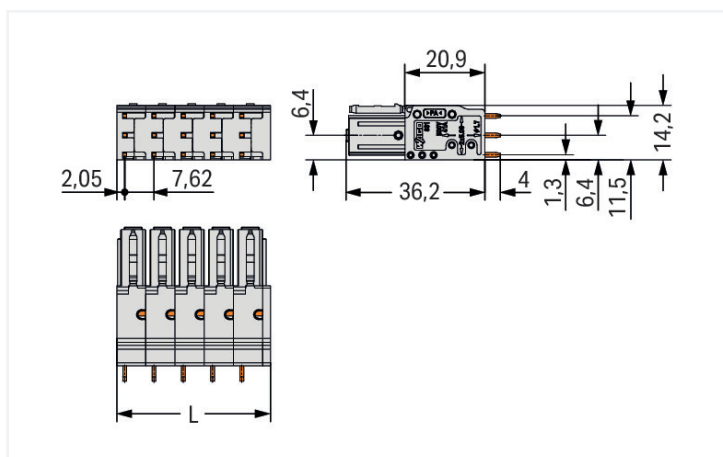
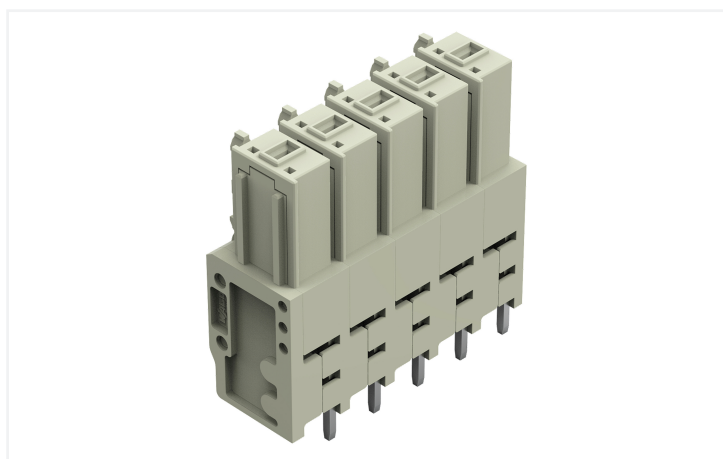
Data Sheet | Item Number: 831-3505

THT female header; straight; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; 1.0 x 1.2 mm solder pin; light gray

<https://www.wago.com/831-3505>



Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.9 \text{ mm}$

Female connector, 831 Series, light gray

Enjoy seamless electrical installations with this female connector (item number 831-3505). Dimensions: (40 x 40.2 x 14.2) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THT soldering.

Notes		
Safety Information		The MCS – <i>MULTI CONNECTION SYSTEM</i> 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.

Electrical data			
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	630 V	1000 V
Rated impulse withstand voltage	6 kV	6 kV	6 kV
Rated current	41 A	41 A	41 A

Connection Data		
Clamping units	5	Connection 1 Pole number5
Total number of potentials	5	
Number of connection types	1	

Physical data	
Pin spacing	7.62 mm / 0.3 inches
Width	40.0 mm / 1.575 inches
Height	40.2 mm / 1.583 inches
Height from the surface	36.2 mm / 1.425 inches
Depth	14.2 mm / 0.559 inches
Solder pin length	4 mm
Solder pin dimensions	1 x 1.2 mm
Drilled hole diameter	1.7 (+0.1) mm

Mechanical data		
Variable coding		Yes
Anti-rotation protection		Yes

Plug-in connection	
Connector (connection type)	for PCB
Mismating protection	Yes
Mating direction to the PCB	90 °



PCB contact		
PCB contact		THT
Solder pin arrangement		over the entire female connector (in-line)

Material data		
Note (material data)		Information on material specifications can be found here
Color		light gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.257 MJ
Weight		26.4 g

Environmental requirements		
Limit temperature range		-60 ... +105 °C
Processing temperature		-35 ... +60 °C

Commercial data		
PU (SPU)		24 pcs
Packaging type		Box
Country of origin		PL
GTIN		4066966086881
Customs tariff number		85366990990

Product Classification		
UNSPSC		39121409
ETIM 9.0		EC002637
ETIM 10.0		EC002637
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1466354
DEKRA DEKRA Certification B.V.	EN 61984	71-173515
UL Underwriters Laboratories Inc.	UL 1059	UL-US-2426356-0



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance 831-3505			

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 831-3505		ZUKEN Portal 831-3505	
			