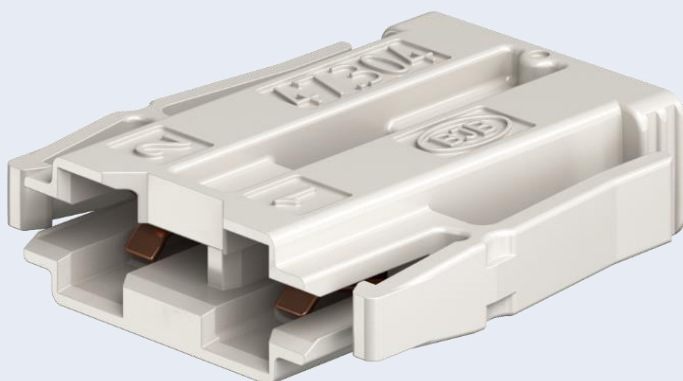


# LED Board Connector

47.304 LED Board Connector



technology for light



Part no.

47.304.1001-0

LED Board Connector based on Zhaga Book 26

- 2 pole edge connector for LED boards
- Easy connection to integrate LED boards as a late stage finishing solution
- Simple LED board exchange for repair or recycling
- Board contacting on the top side of the LED board
- Push-in contact
- The contacts must be on the top of the LED module (same side as the LEDs).

Electrical data	
Rated voltage	350 V DC / 250 V AC
Rated current	3 A
Pollution degree	2
Impulse withstand categories	II
Connection data	
Connection technology	Push-in contact
Connection points	2
Solid conductor	0.5 mm <sup>2</sup> / 20 AWG
Stranded conductor	Max. Ø = 0.8- 0.9 mm Ultrasonically compacted or tinned
Stripping length 0.5 mm <sup>2</sup>	8+1 mm / 0.315... 0.354 inch
Geometric data	
Width	19.7 mm
Height	6.0 mm
Depth	21.4 mm
Mechanical data	
Operating Cycles (LED Board)	5x

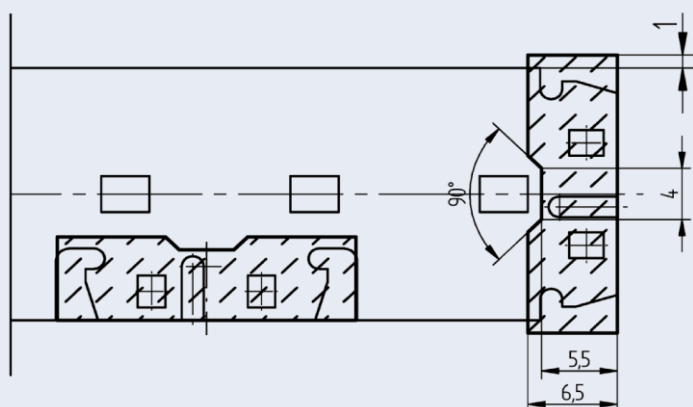
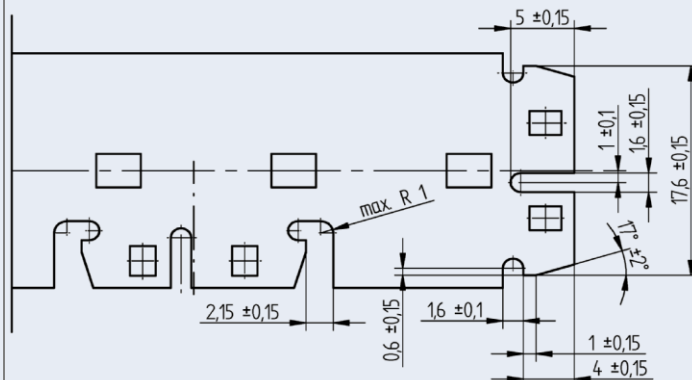
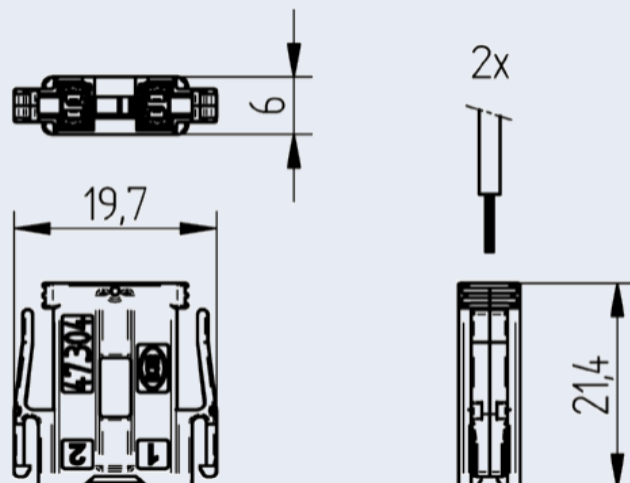
Material data	
Colour	White
Insulation material group	I 600<= CTI
Insulating material housing	PA
Flammability class according to UL 94	V-2
Contact material	Copper alloy
Contact surface	Sn
Weight (complete)	1.5 g
Ambient conditions	
Rated temperature	T90
Lower limit temperature	-35 °C
Storage temperature	-35 °C to 105 °C
Commercial data	
Packaging type	Box
Packaging unit	500
Approvals / Certificates	
VDE REGISTERED	EN 60838-1

## LED Board Connector



- All contacts of the LED module must have a height in relation to the reference plane in the range of  $1.70 \pm 0.20$  mm.
- In the contact areas, excluding the contacts, the LED module shall have a height in relation to the reference plane in the range  $1.6 \pm 0.16$  mm.
- Apart from the contacts, there must be no objects in the contact areas of the LED module that protrude beyond the PCB surface.
- The back of the LED module must be free of conductive material in the contact areas.
- Solder resist is not permitted in the mating area.
- Tin plating using the HAL process is recommended as the contact surface.
- The plug may only be attached to the circuit board and not in any other way

## 47.304 LED Board Connector



Grip in this area for assembly and disassembly

