

# Printed-circuit board connector - CCVA 2,5/ 2-G P20 THR - 1837022

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Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



The figure shows a 10-position version of the product

## Why buy this product

- Designed for integration into the SMT soldering process
- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies
- Closed contour for optimum stability of the plug-in connection



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 055626 021416
GTIN	4055626021416

## Technical data

### Item properties

Brief article description	Printed-circuit board connector
Range of articles	CCVA 2,5/..-G
Pitch	5 mm
Type of contact	Male connector
Plug-in system	CLASSIC COMBICON
Number of positions	2
Mounting type	THR soldering
Locking	without
Number of levels	1

### Electrical parameters

Rated current	12 A
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## Technical data

### Electrical parameters

Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated

### Material data - housing

Housing color	black (9005)
Insulating material	LCP
CTI according to IEC 60112	225
Flammability rating according to UL 94	V0

### Dimensions for the product

Length [ l ]	8.57 mm
Width [ w ]	12.8 mm
Height [ h ]	14 mm
Pitch	5 mm
Height (without solder pin)	12 mm
Solder pin [P]	2 mm
Dimension a	5 mm

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C

### Air clearances and creepage distances

Insulating material group	IIIa
Comparative tracking index (IEC 60112:2003-01)	CTI 225
Voltage	250 V
Rated insulation voltage (III/3)	250 V
Rated insulation voltage (III/2)	320 V
Rated insulation voltage (II/2)	400 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

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### Air clearances and creepage distances

Minimum clearance - inhomogeneous field (III/3)	3 mm
Minimum clearance - inhomogeneous field (III/2)	3 mm
Minimum clearance - inhomogeneous field (II/2)	3 mm
Minimum creepage distance value (III/3)	4 mm
Minimum creepage distance value (III/2)	3.2 mm
Minimum creepage distance value (II/2)	4 mm

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Approvals

### Approvals

Approvals

cULus Recognized

Ex Approvals

### Approval details

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931011
	B	D	
Nominal current I <sub>N</sub>	16 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

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