

Printed-circuit board connector - PC 6/ 3-G1-7,62 BK - 1717017

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PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, color: black, contact surface: Tin


The figure shows the 4-position version

Your advantages

- Well-known mounting principle allows worldwide use
- Easy PCB replacement thanks to plug-in modules



Key Commercial Data

Packing unit	25 pc
Minimum order quantity	25 pc
GTIN	 4 055626 514949
GTIN	4055626514949
Weight per Piece (excluding packing)	8.450 g
Custom tariff number	85366930
Country of origin	China

Technical data

Item properties

Brief article description	Printed-circuit board connector
Plug-in system	POWER COMBICON 6
Type of contact	Male connector
Range of articles	PC 6/..-G1
Pitch	7.62 mm
Number of positions	3
Mounting type	Wave soldering
Number of levels	1

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Electrical parameters

Rated current	41 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

Material data - contact

Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface contact area (top layer)	Tin (2 - 4 µm Sn)
Metal surface contact area (middle layer)	Nickel (1.3 - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (2 - 4 µm Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 - 3 µm Ni)

Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Length [l]	28.2 mm
Width [w]	23.26 mm
Height [h]	16.1 mm
Pitch	7.62 mm
Height (without solder pin)	13.5 mm
Solder pin [P]	2.6 mm
Pin dimensions	0.8 x 1 mm
Dimension a	15.24 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	25
Denomination packing units	Pcs.

Air clearances and creepage distances

Insulating material group	I
Voltage	630 V
Rated insulation voltage (III/3)	630 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV

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Air clearances and creepage distances

Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

Classifications

eCl@ss

eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

ETIM

ETIM 6.0	EC002637
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Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Additional products

Printed-circuit board connector - LPC 6/ 3-ST-7,62 - 1716922



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 3, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin