



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

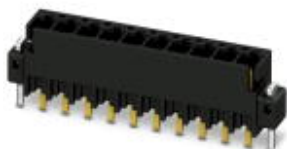
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Printed-circuit board connector - MCV 0,5/16-G-2,54 P20 THR R72 - 1821533

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering, Sample values available under SAMPLE MC...




The figure shows the 10-position version

## Why buy this product

- ✓ Designed for integration into the SMT soldering process
- ✓ Additional solder anchors reduce the mechanical strain on the soldering spots
- ✓ Gold-plated contacts ensure transfer quality remains stable over the long term
- ✓ Vertical connection enables multi-row arrangement on the PCB
- ✓ Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting



## Key Commercial Data

Packing unit	315 STK
Minimum order quantity	315 STK
GTIN	 4 046356 789691
GTIN	4046356789691

## Technical data

### Dimensions

Length [ l ]	4.85 mm
Width	45.22 mm
Pitch	2.54 mm
Dimension a	38.1 mm
Width [ w ]	45.22 mm
Height [ h ]	9.1 mm
Constructional height	7.1 mm
Length of the solder pin	2 mm

# Printed-circuit board connector - MCV 0,5/16-G-2,54 P20 THR R72 - 1821533

## Technical data

### Dimensions

Pin dimensions	0.64 x 0.64 mm
Length	4.85 mm

### General

Range of articles	MCV 0,5/...-G-THR
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Insulating material	LCP
Flammability rating according to UL 94	V0
Color	black
Number of positions	16

### Standards and Regulations

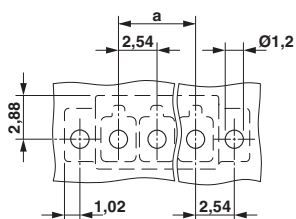
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

### Environmental Product Compliance

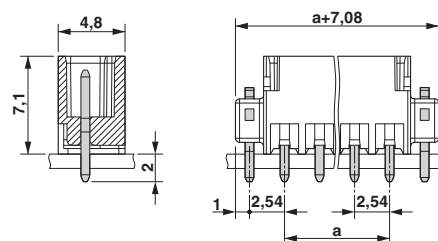
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Drilling diagram

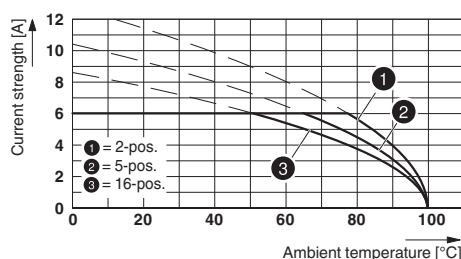


Dimensional drawing



# Printed-circuit board connector - MCV 0,5/16-G-2,54 P20 THR R72 - 1821533

Diagram



Type: FMC 0,5/...-ST-2,54 with MCV 0,5/...-G-2,54 P20 THR R..

## Approvals


### Approvals


#### Approvals


cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / EAC

#### 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> E60425-19920306		
	B	C
Nominal voltage UN	150 V	50 V
Nominal current IN	6 A	6 A


VDE Gutachten mit Fertigungsüberwachung  <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> 40042258		
Nominal voltage UN	160 V	
Nominal current IN	6 A	

IECEx CB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55663-B1		
Nominal voltage UN	160 V	

## Printed-circuit board connector - MCV 0,5/16-G-2,54 P20 THR R72 - 1821533

### Approvals

Nominal current I <sub>N</sub>	6 A

EAC		B.01742
-----	---	---------

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>