

# MCV 1,5/ 4-G-3,81 RD - PCB header

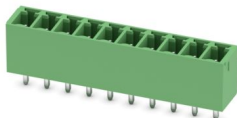
1704769

<https://www.phoenixcontact.com/us/products/1704769>

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 documentation. Our general terms of use for downloads are valid.



PCB headers, nominal cross section: 1.5 mm<sup>2</sup>, color: red, nominal current: 8 A, contact surface: Sn, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: MCV 1,5/...-G, pitch: 3.81 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.4 mm, number of solder pins per potential: 1, plug-in system: COMBICON MC 1,5, Pin connector pattern alignment: Standard, locking: without, mounting method: without, type of packaging: packed in cardboard



The figure shows an 10-position version

## Your advantages

- Well-known mounting principle allows worldwide use
- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies

## Commercial data

Item number	1704769
Packing unit	250 pc
Minimum order quantity	50 pc
Sales key	AA02
Product key	AABSBE
GTIN	4046356738101
Weight per piece (including packing)	0.872 g
Weight per piece (excluding packing)	0.8 g
Customs tariff number	85366930
Country of origin	DE

# MCV 1,5/ 4-G-3,81 RD - PCB header



1704769

<https://www.phoenixcontact.com/us/products/1704769>

## Technical data

### Product properties

Product type	PCB headers
Product family	MCV 1,5/..-G
Product line	COMBICON Connectors S
Number of positions	4
Pitch	3.81 mm
Number of connections	4
Number of rows	1
Number of potentials	4
Mounting type	without
Pin layout	Linear pinning
Solder pins per potential	1

### Electrical properties

#### Properties

Nominal current $I_N$	8 A
Nominal voltage $U_N$	160 V

### Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning

### Material specifications

#### 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
Metal surface contact area (top layer)	Tin (3 $\mu$ m - 5 $\mu$ m Sn)
Metal surface contact area (middle layer)	Nickel (1.3 $\mu$ m - 3 $\mu$ m Ni)
Metal surface soldering area (top layer)	Tin (3 $\mu$ m - 5 $\mu$ m Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 $\mu$ m - 3 $\mu$ m Ni)

#### Material data - housing

Color (Housing)	red (3001)
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

# MCV 1,5/ 4-G-3,81 RD - PCB header

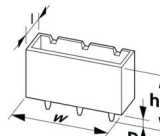


1704769

<https://www.phoenixcontact.com/us/products/1704769>

Temperature for the ball pressure test according to EN 60695-10-2	125 °C
---	--------

## Dimensions

Dimensional drawing	
Pitch	3.81 mm
Width [w]	16.63 mm
Height [h]	12.6 mm
Length [l]	7.25 mm
Installed height	9.2 mm
Solder pin length [P]	3.4 mm
Pin dimensions	0.8 x 0.8 mm

## PCB design

Hole diameter	1.2 mm
---------------	--------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

## Packaging specifications

Type of packaging	packed in cardboard
-------------------	---------------------

# MCV 1,5/ 4-G-3,81 RD - PCB header





1704769


<https://www.phoenixcontact.com/us/products/1704769>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1704769>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B				
	300 V	8 A	-	-
D				
	300 V	8 A	-	-

 <b>cULus Recognized</b> Approval ID: E60425-20110128				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B				
	300 V	8 A	-	-
D				
	300 V	8 A	-	-

 <b>VDE Zeichengenehmigung</b> Approval ID: 40011723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	160 V	8 A	-	-

# MCV 1,5/ 4-G-3,81 RD - PCB header



1704769

<https://www.phoenixcontact.com/us/products/1704769>

## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 10.0	EC002637
-----------	----------

### UNSPSC

UNSPSC 21.0	39121409
-------------	----------

# MCV 1,5/ 4-G-3,81 RD - PCB header



1704769

<https://www.phoenixcontact.com/us/products/1704769>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.007 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)