

# SMC 1,5/ 3-G-3,81 HT BK - PCB header



1999440

<https://www.phoenixcontact.com/us/products/1999440>

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PCB headers, nominal cross section: 1.5 mm<sup>2</sup>, color: black, contact surface: Tin, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: SMC 1,5/..-G-HT, pitch: 3.81 mm, mounting: THR 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: without, type of packaging: packed in cardboard

## Your advantages

- Designed for integration into the SMT soldering process
- Angled connection enables multi-row arrangement on the PCB
- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies

## Commercial data

Item number	1999440
Packing unit	250 pc
Minimum order quantity	250 pc
Sales key	AA02
Product key	AABTMA
GTIN	4017918981174
Weight per piece (including packing)	1.3 g
Weight per piece (excluding packing)	1.3 g
Customs tariff number	85366930
Country of origin	DE

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## Technical data

### Product properties

Product line	COMBICON Connectors S
Product type	PCB headers
Product family	SMC 1,5/..-G-HT
Number of positions	3
Pitch	3.81 mm
Number of connections	3
Number of rows	1
Mounting flange	without
Number of potentials	3
Pin layout	Linear pinning
Solder pins per potential	1

### Electrical properties

Degree of pollution	3
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### Mounting

Mounting type	THR 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 - 5 µm Sn)
Metal surface contact area (middle layer)	Nickel (1.3 - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (3 - 5 µm Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 - 3 µm Ni)

#### Material data - housing

Color (Housing)	black (9005)
Insulating material	PA
Insulating material group	IIIa
CTI according to IEC 60112	325
Flammability rating according to UL 94	V0

### Dimensions

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Dimensional drawing	
Pitch	3.81 mm
Width [w]	9.01 mm
Height [h]	14.4 mm
Length [l]	13.1 mm
Installed height	11 mm
Solder pin length [P]	3.4 mm

PCB design	
Hole diameter	1.2 mm

## Environmental and real-life conditions

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

## Packaging specifications

Type of packaging	packed in cardboard
Outer packaging type	Dry bag

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## Classifications

### ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201

### ETIM

ETIM 9.0	EC002637
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

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

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