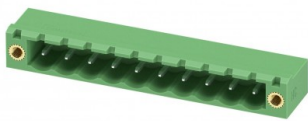


## INDUSTRIAL COMPONENT DATA

# MSTB 2,5 HC/10-GF-5,08 1924169 PHOENIX CONTACT PCB connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTB 2,5 HC/10-GF-5,08



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MSTB 2,5 HC/10-GF-5,08          |
| Catalog number  | 1924169                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-E93E7EE0B7                   |
| Generated       | 2026-08-01                      |

## Product Overview

### PCB connector

Printed circuit board base case, nominal section: 2.5 mm<sup>2</sup>, color: green, nominal current: 16 A (see derating curve), nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of potentials: 10, number of rows: 1, number of poles: 10, number of connections: 10, family of articles: MSTB 2.5 HC/..-GF, pitch: 5.08 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2.5 HC, Plug-in face orientation: Standard, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed

PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 16 A (see derating curve), rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: MSTB 2,5 HC/..-GF, pitch: 5.08 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.23 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5 HC, Pin connector pattern alignment: Standard, locking: Screw locking mechanism, mounting: Threaded flange, type of packaging: packed in cardboard

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                        |
|--------------|----------------------------------------|
| Catalog path | PHOENIX CONTACT > PCB Connectors (PCC) |
|--------------|----------------------------------------|

## Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family MSTB 2,5 HC/..-GF

Product line COMBICON Connectors M

Type Standard  
Number of positions 10  
Pitch 5.08 mm  
Number of connections 10  
Number of rows 1  
Number of potentials 10  
Mounting flange Threaded flange  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 03  
Electrical properties Nominal current  $I_N$  16 A (see derating curve)  
Nominal voltage UN 320 V  
Contact resistance 1 m $\Omega$ ?  
Rated voltage (III/3) 320 V  
Rated surge voltage (III/3) 4 kV  
Rated voltage (III/2) 320 V  
Rated surge voltage (III/2) 4 kV  
Rated voltage (II/2) 630 V  
Rated surge voltage (II/2) 4 kV  
Mounting Mounting type Wave soldering  
Pin layout Linear pinning  
Flange  
Tightening torque 0.3 Nm  
Attachment on the PCB  
Tightening torque 0.3 Nm  
Screw Sheet metal screw ISO 1481-ST 2,2x6,5 C or ISO 7049-ST 2,2x6,5 C  
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  $\mu\text{m}$  Sn)  
Metal surface contact area (middle layer) Nickel (1.3 - 3  $\mu\text{m}$  Ni)  
Metal surface soldering area (top layer) Tin (3 - 5  $\mu\text{m}$  Sn)  
Metal surface soldering area (middle layer) Nickel (1.3 - 3  $\mu\text{m}$  Ni)  
Material data - housing  
Color (Housing) green (6021)  
Insulating material PA  
Insulating material group I  
CTI according to IEC 60112 600  
Flammability rating according to UL 94 V0....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTB 2,5 HC/10-GF-5,08 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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