

## INDUSTRIAL COMPONENT DATA

# MDSTB 2,5/ 6-G (1-4,6/7-10,12) 1903889 PHOENIX CONTACT

## Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MDSTB 2,5/ 6-G (1-4,6/7-10,12)



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MDSTB 2,5/ 6-G (1-4,6/7-10,12)  |
| Catalog number  | 1903889                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-EC3155E919                   |
| Generated       | 2026-08-05                      |

### Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 2.5 mm<sup>2</sup>, color: green, nominal current: 10 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of potentials: 5, number of rows: 2, number of poles: 6, number of connections: 5, family of articles: MDSTB 2,5/..-G, pitch: 5 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.2 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Plug-in face orientation: Standard, locking: without, fixing type: without, packaging type: boxed

PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 10 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 5, number of rows: 2, number of positions: 6, number of connections: 5, product range: MDSTB 2,5/..-G, pitch: 5 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, Pin connector pattern alignment: Standard, locking: without, mounting: without, 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) |
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### Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family MDSTB 2,5/..-G

Product line COMBICON Connectors M

Number of positions 6

Pitch 5 mm

Number of connections 5  
Number of rows 2  
Number of potentials 5  
Mounting flange without  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 02  
Electrical propertiesNominal current  $I_N$  10 A  
Nominal voltage  $U_N$  320 V  
Contact resistance 1.2 m $\Omega$   
Rated voltage (III/3) 250 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) 400 V  
Rated surge voltage (II/2) 4 kV  
MountingMounting type Wave soldering  
Pin layout Linear pinning  
Material specificationsMaterial 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 (5 - 7  $\mu\text{m}$  Sn)  
Metal surface contact area (middle layer) Nickel (2 - 3  $\mu\text{m}$  Ni)  
Metal surface soldering area (top layer) Tin (5 - 7  $\mu\text{m}$  Sn)  
Metal surface soldering area (middle layer) Nickel (2 - 3  $\mu\text{m}$  Ni)  
Material data - housing  
Color (Housing) green (6021)  
Insulating material PBT  
Insulating material group IIIa  
CTI according to IEC 60112 225  
Flammability rating according to UL 94 V0  
NotesNotes on operation In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or und...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MDSTB 2,5/ 6-G (1-4,6/7-10,12) 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

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