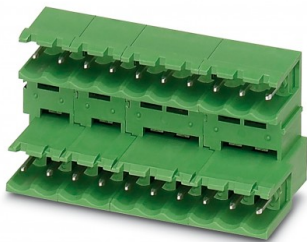


INDUSTRIAL COMPONENT DATA

MDSTB 2,5/10-G-5,08 GY 1099729 PHOENIX CONTACT

Housing base printed circuit board, nominal current: 10 A, nu..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MDSTB 2,5/10-G-5,08 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	MDSTB 2,5/10-G-5,08 GY
Catalog number	1099729
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-D76F18AE1D
Generated	2026-08-03

Product Overview

Housing base printed circuit board, nominal current: 10 A, number of poles: 10, pitch: 5,08 mm, color: gray, surface contacts: Tin, assembly: wave Soldering

Printed circuit board base case, nominal section: 2.5 mm², color: gray, nominal current: 10 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of rows: 2, number of poles: 10, family of articles: MDSTB 2.5/.. -G, pitch: 5.08 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 mm², color: gray, nominal current: 10 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of rows: 2, number of positions: 10, product range: MDSTB 2,5/..-G, 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, 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 10

Pitch 5.08 mm

Number of rows 2

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 00

Electrical propertiesNominal current I_N 10 A

Nominal voltage U_N 320 V

Contact resistance 2.8 m Ω

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 μm Sn)

Metal surface contact area (middle layer) Nickel (2 - 3 μm Ni)

Metal surface soldering area (top layer) Tin (5 - 7 μm Sn)

Metal surface soldering area (middle layer) Nickel (2 - 3 μm Ni)

Material data - housing

Color (Housing) gray (7042)

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 under load.

DimensionsDimensional drawing

Pitch 5.08 mm

Width [w] 53.34...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MDSTB 2,5/10-G-5,08 GY with the required quantity to info@electricaonline.com or use 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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