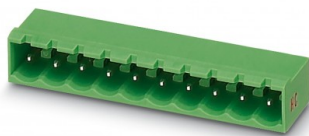


INDUSTRIAL COMPONENT DATA

MSTBA 2,5 HC/ 2-G BK 1089792 PHOENIX CONTACT Housing base printed circuit board, number of poles: 2, pitch: ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBA 2,5 HC/ 2-G BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBA 2,5 HC/ 2-G BK
Catalog number	1089792
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-378C65A786
Generated	2026-08-06

Product Overview

Housing base printed circuit board, number of poles: 2, pitch: 5 mm, color: black

Printed circuit board base housing, nominal section: 2.5 mm², color: black, nominal current: 16 A (see derating curve), nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of rows: 1, number of poles: 2, family of articles: MSTBA 2.5 HC/..-G, pitch: 5 mm, mounting: Wave soldering, 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, lock: without, fixing type: without, packaging type: boxed

PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 16 A (see derating curve), rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of rows: 1, number of positions: 2, product range: MSTBA 2,5 HC/..-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 HC, 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)
--------------	--

Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family MSTBA 2,5 HC/..-G

Product line COMBICON Connectors M

Number of positions 2

Pitch 5 mm

Number of rows 1
Pin layout Linear pinning
Solder pins per potential 1
Data management status
Article revision 00
Electrical propertiesNominal current IN 16 A (see derating curve)
Nominal voltage UN 320 V
Contact resistance 1.1 mΩ
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
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 (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 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
Temperature for the ball pressure test according to EN 60695-10-2 125 °C
NotesNotes on operation In accordance with...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBA 2,5 HC/ 2-G BK 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.