INDUSTRIAL COMPONENT DATA

MC 0,5/ 7-G-2,5 GY 1088785 PHOENIX CONTACT Housing base printed circuit board, number of poles: 7, pitch: 2...

Brand: PHOENIX CONTACT | Manufacturer Part Number: MC 0,5/ 7-G-2,5 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	MC 0,5/ 7-G-2,5 GY
Catalog number	1088785
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-692B31518C
Generated	2026-11-19

Product Overview

Housing base printed circuit board, number of poles: 7, pitch: 2.5 mm, color: gray
Printed circuit board base case, nominal section: 0.5 mm², color: gray, nominal current: 4 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of rows: 1, number of poles: 7, family of articles: MC 0.5/.. -G, pitch: 2.5 mm, mounting: Wave soldering, conductor/printed circuit board connection direction: 0 °, pin arrangement: Linear pin arrangement, pin length [P]: 3.8 mm, number of solder pins per potential: 1, plug-in system: COMBICON FK-MC 0.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: Boxed Packaging
PCB headers, nominal cross section: 0.5 mm2, color: gray, nominal current: 4 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of rows: 1, number of positions: 7, product range: MC 0,5/..-G, pitch: 2.5 mm, mounting: Wave soldering, conductor/PCB connection direction: 0 °, pin layout: Linear pinning, solder pin [P]: 3.8 mm, number of solder pins per potential: 1, plug-in system: COMBICON FK-MC 0,5, 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)

Additional Product Information

Technical dataProduct propertiesProduct type PCB headers
Product family MC 0,5/..-G
Product line COMBICON Connectors XS
Number of positions 7
Pitch 2.5 mm

Number of rows 1
Pin layout Linear pinning
Solder pins per potential 1
Data management status
Article revision 00
Electrical propertiesNominal current IN 4 A
Nominal voltage UN 160 V
Contact resistance 2 m?
Rated voltage (III/3) 80 V
Rated surge voltage (III/3) 1.5 kV
Rated voltage (III/2) 160 V
Rated surge voltage (III/2) 2.5 kV
Rated voltage (II/2) 320 V
Rated surge voltage (II/2) 2.5 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 µm Ni)
Metal surface soldering area (top layer) Tin (3 - 5 µm Sn)
Metal surface soldering area (middle layer) Nickel (1 - 3 µm Ni)
Material data - housing
Color (Housing) gray (7042)
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
DimensionsDimensional drawing
Pitch 2.5 mm
Width [w] 19.4 mm
Height [...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MC 0,5/ 7-G-2,5 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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