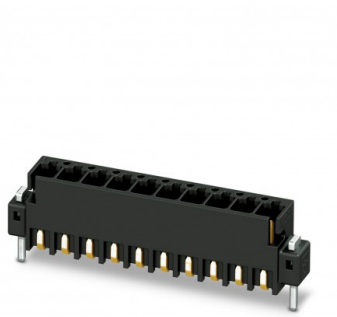
INDUSTRIAL COMPONENT DATA

MCV 0,5/ 7-G-2,54 SMDR44C2 1706088 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/ 7-G-2,54 SMDR44C2



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCV 0,5/ 7-G-2,54 SMDR44C2
Catalog number	1706088
Category	Printed circuit board connector
Minimum order	315 Pcs
Document ID	EO-26A5E1C747
Generated	2026-11-18

Product Overview

Printed-circuit board connector
Printed circuit board base housing, nominal section: 0.5 mm², color: black, nominal current: 6 A, dimensioning voltage (III/2): 160 V, contact surface: Gold, contact type: Male, Number of potentials: 7, Number of rows: 1, Number of poles per row: 7, number of connections: 7, family of articles: MCV 0.5/.. -G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin arrangement: Linear pad geometry, pin length [P]: 2 mm, Stecksystem: MICRO COMBICON - FMC 0.5, Lock: without, packaging type: 44 mm wide strap, Fixed last pole coding, can be combined with FMC 0.5/...-ST-2.54 C2 connector
PCB headers, nominal cross section: 0.5 mm2, color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Au, contact connection type: Pin, number of potentials: 7, number of rows: 1, number of positions: 7, number of connections: 7, product range: MCV 0,5/..-G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin layout: Linear pad geometry, solder pin [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 44 mm wide tape, Fixed coding of the last position, can be combined with the FMC 0,5/...-ST-2,54 C2 connector

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 MCV 0,5/..-G-SMD
Product line COMBICON Connectors XS
Number of positions 7

Pitch 2.54 mm
Number of connections 7
Number of rows 1
Number of potentials 7
Mounting flange without
Pin layout Linear pad geometry
Solder pins per potential 1
Data management status
Article revision 01
Electrical propertiesNominal current IN 6 A
Nominal voltage UN 160 V
Contact resistance 2.6 m?
Rated voltage (III/3) 32 V
Rated surge voltage (III/3) 2.5 kV
Rated voltage (III/2) 160 V
Rated surge voltage (III/2) 2.5 kV
Rated voltage (II/2) 160 V
Rated surge voltage (II/2) 2.5 kV
MountingMounting type SMD soldering
Pin layout Linear pad geometry
Processing notes
Process Reflow soldering
Moisture Sensitive Level MSL 1
Classification temperature Tc 260 °C
Solder cycles in the reflow 3
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 Completely gold-plated
Metal surface contact area (top layer) Gold (0.25 Au)
Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)
Metal surface soldering area (top layer) Gold (0.25 Au)
Metal surface soldering area (middle layer) Nickel (2 - 4 µm Ni)
Material data - housing
Color (Housing) black (9005)
Insulating material LCP
Insulating material group IIIa
CTI according to IEC 60112 175
Flammability rating according to UL 94 V0
DimensionsDimensional drawing
Pitch...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 0,5/ 7-G-2,54 SMDR44C2 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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