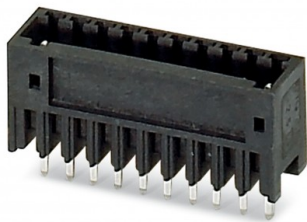


INDUSTRIAL COMPONENT DATA

MCV 0,5/ 7-G-2,5 THT R44 1963803 PHOENIX CONTACT

Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/ 7-G-2,5 THT R44



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCV 0,5/ 7-G-2,5 THT R44
Catalog number	1963803
Category	Printed circuit board connector
Minimum order	220 Pcs
Document ID	EO-1A1AF5BFCE
Generated	2026-08-03

Product Overview

Feed-through header

Printed circuit board base housing, nominal section: 0.5 mm², color: black, nominal current: 4 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 7, number of rows: 1, number of poles: 7, number of connections: 7, family of articles: MCV 0.5/..-G-THT, pitch: 2.5 mm, mounting: Weld THR, pin arrangement: Linear pin arrangement, pin length [P]: 3.5 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: 44 mm wide strap, For user information and design recommendations on Through Hole Reflow technology, see under: "Downloads"

PCB headers, nominal cross section: 0.5 mm², color: black, nominal current: 4 A, rated voltage (III/2): 160 V, contact surface: Sn, 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-THT, pitch: 2.5 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 3.5 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: 44 mm wide tape, User information and design recommendations on Through Hole Reflow Technology can be found at: "Dow..."

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 MCV 0,5/..-G-THT

Product line COMBICON Connectors XS

Type Component suitable for through hole reflow

Number of positions 7

Pitch 2.5 mm

Number of connections 7

Number of rows 1

Number of potentials 7

Mounting flange without

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 01

Electrical propertiesNominal current IN 4 A

Nominal voltage UN 160 V

Contact resistance 2 mΩ

Rated voltage (III/3) 32 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) 160 V

Rated surge voltage (II/2) 2.5 kV

MountingMounting type THR soldering / wave soldering

Pin layout Linear pinning

Processing notes

Process Reflow/wave soldering

Moisture Sensitive Level MSL 3

Classification temperature Tc 245 °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 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) black (9005)

Insulating material PA

Insulating material group IIIa

CTI according to IEC 60112 250

Flammability rating accordi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 0,5/ 7-G-2,5 THT R44 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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