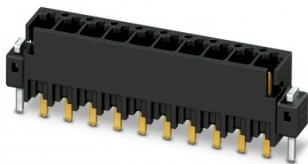


INDUSTRIAL COMPONENT DATA

MCV 0,5/ 6-G-2,54 P20THRR44C1 1706182 PHOENIX CONTACT Header, Nominal current: 6 A, Rated voltage (III/2): 1..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCV 0,5/ 6-G-2,54 P20THRR44C1



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCV 0,5/ 6-G-2,54 P20THRR44C1
Catalog number	1706182
Category	Printed circuit board connector
Minimum order	315 Pcs
Document ID	EO-102961EFBB
Generated	2026-08-04

Product Overview

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: Taped SMD/THT/THR components, Fixed coding of the first position, can be combined with the FMC 0,5/...-ST-2,54 C1 connector

Printed circuit board base housing, nominal section: 0.5 mm², color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Gold, contact type: Male, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, article family: MCV 0.5/.. -G-THR, pitch: 2.54 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: 44 mm wide strap, Fixed first pole coding, can be combined with FMC 0.5/...-ST-2.54 C1 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: 6, number of rows: 1, number of positions: 6, number of connections: 6, product range: MCV 0.5/..-G-THR, pitch: 2.54 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 2 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0,5...

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-THR
Product line COMBICON Connectors XS
Type Component suitable for through hole reflow
Number of positions 6
Pitch 2.54 mm
Number of connections 6
Number of rows 1
Number of potentials 6
Mounting flange without
Pin layout Linear pinning
Solder pins per potential 1
Data management status
Article revision 00
Electrical propertiesNominal current I_N 6 A
Nominal voltage U_N 160 V
Contact resistance 2.5 m Ω
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 THR soldering / wave soldering
Pin layout Linear pinning
Processing notes
Process Reflow/wave soldering
Moisture Sensitive Level MSL 1
Classification temperature T_c 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 rati...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCV 0,5/ 6-G-2,54 P20THRR44C1 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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