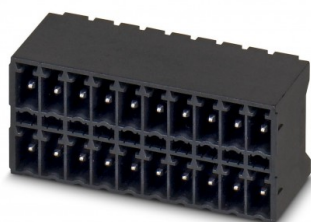


INDUSTRIAL COMPONENT DATA

MCDN 1,5/ 8-G1-3,81 P14THR 1749395 PHOENIX CONTACT

Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCDN 1,5/ 8-G1-3,81 P14THR



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCDN 1,5/ 8-G1-3,81 P14THR
Catalog number	1749395
Category	Printed circuit board connector
Minimum order	35 Pcs
Document ID	EO-51A13672C6
Generated	2026-08-02

Product Overview

Feed-through header

Printed circuit board base housing, nominal section: 1.5 mm², color: black, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 16, number of rows: 2, number of poles: 8, number of connections: 16, family of articles: MCDN 1.5/..-G1-THR, pitch: 3.81 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 1.4 mm, number of solder pins per potential: 1, plug-in system: COMBICON MC 1.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: box-packed, Pin length is 1.4 mm. For user information and design recommendations on Through Hole Reflow technology, please refer to: "Downloads".

PCB headers, nominal cross section: 1.5 mm², color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 16, number of rows: 2, number of positions: 8, number of connections: 16, product range: MCDN 1.5/..-G1-THR, pitch: 3.81 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 1.4 mm, number of solder pins per potential: 1, plug-in system: COMBICON FMC 1.5 - MCDN 1.5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard, The pin length is 1.4 mm. User information and design....

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 MCDN 1,5/..-G1-THR

Product line COMBICON Connectors S

Type Component suitable for through hole reflow

Number of positions 8

Pitch 3.81 mm

Number of connections 16

Number of rows 2

Number of potentials 16

Mounting flange without

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 04

Electrical propertiesNominal current IN 8 A

Nominal voltage UN 160 V

Contact resistance 2 mΩ

Rated voltage (III/3) 160 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) 250 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 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 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 LCP

Insulating material group IIIa

CTI according to IEC 60112 175

Flammability rati...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCDN 1,5/ 8-G1-3,81 P14THR 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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