INDUSTRIAL COMPONENT DATA

PC 6-16/ 4-G1-10,16 GY 1704892 PHOENIX CONTACT PCB headers, nominal cross section: 16 mm2, color: gray, nomi..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PC 6-16/ 4-G1-10,16 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	PC 6-16/ 4-G1-10,16 GY
Catalog number	1704892
Category	Printed circuit board connector
Minimum order	1 Pcs
Document ID	EO-B4955E5C3B
Generated	2026-11-19

Product Overview

PCB headers, nominal cross section: 16 mm2, color: gray, nominal current: 76 A (41 A in combination with PC 6 plug), rated voltage (III/2): 1000 V, contact surface: Ag, contact connection type: Pin, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PC 6-16/..-G1, pitch: 10.16 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 4.1 mm, number of solder pins per potential: 3, plug-in system: COMBICON PC 16, 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 PC 6-16/..-G1
Product line COMBICON Connectors XL
Number of positions 4
Pitch 10.16 mm
Number of connections 4
Number of rows 1
Number of potentials 4
Mounting flange without
Pin layout Linear pinning

Solder pins per potential 3
Data management status
Article revision 02
Electrical propertiesNominal current IN 76 A (41 A in combination with PC 6 plug)
Nominal voltage UN 1000 V
Contact resistance 0.22 m?
Rated voltage (III/3) 1000 V
Rated surge voltage (III/3) 8 kV
Rated voltage (III/2) 1000 V
Rated surge voltage (III/2) 8 kV
Rated voltage (II/2) 1000 V
Rated surge voltage (II/2) 6 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 Electroplated silver
Metal surface contact area (top layer) Silver (4 - 8 µm Ag)
Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)
Metal surface soldering area (top layer) Silver (4 - 8 µm Ag)
Metal surface soldering area (middle layer) Nickel (2 - 4 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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PC 6-16/ 4-G1-10,16 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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