

INDUSTRIAL COMPONENT DATA

PC 6-16/ 6-G1F-10,16 1999042 PHOENIX CONTACT

Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: PC 6-16/ 6-G1F-10,16



Manufacturer	PHOENIX CONTACT
MPN / Reference	PC 6-16/ 6-G1F-10,16
Catalog number	1999042
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-018BAE5FF4
Generated	2026-08-02

Product Overview

Feed-through header

Printed circuit board base housing, nominal section: 16 mm², color: green, nominal current: 76 A (41 A in combination with PC 6 connector), nominal voltage (III/2): 1000 V, contact surface: silver, contact type: Male, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, family of articles: PC 6-16/..-G1F, pitch: 10.16 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 4 mm, number of solder pins per potential: 3, plug-in system: COMBICON PC 16, Plug-in face orientation: Standard, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed

PCB headers, nominal cross section: 16 mm², color: green, 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: 6, number of rows: 1, number of positions: 6, number of connections: 6, product range: PC 6-16/..-G1F, pitch: 10.16 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 4 mm, number of solder pins per potential: 3, plug-in system: COMBICON PC 16, Pin connector pattern alignment: Standard, locking: Screw locking mechanism, mounting: Threaded flange, 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)
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Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family PC 6-16/..-G1F

Product line COMBICON Connectors XL

Type Headers

Number of positions 6

Pitch 10.16 mm

Number of connections 6

Number of rows 1

Number of potentials 6

Mounting flange Threaded flange

Pin layout Linear pinning

Solder pins per potential 3

Data management status

Article revision 06

Electrical propertiesNominal current IN 76 A (41 A in combination with PC 6 plug)

Nominal voltage UN 1000 V

Contact resistance 0.3 mΩ

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

Flange

Tightening torque 0.3 Nm ... 0.7 Nm

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) green (6021)

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 ign...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PC 6-16/ 6-G1F-10,16 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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