

INDUSTRIAL COMPONENT DATA

PTSM 0,5/ 7-HV0-2,5-SMD WH R44 1839240 PHOENIX CONTACT PCB headers, nominal current: 6 A, rated voltage (III..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTSM 0,5/ 7-HV0-2,5-SMD WH R44



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTSM 0,5/ 7-HV0-2,5-SMD WH R44
Catalog number	1839240
Category	Printed circuit board connector
Minimum order	400 Pcs
Document ID	EO-3792DDFD2D
Generated	2026-08-03

Product Overview

PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 7, pitch: 2.5 mm, color: white, contact surface: Tin, mounting: SMD soldering

Printed circuit board base housing, nominal section: 0.5 mm², color: white signals, nominal current: 6 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: PTSM 0.5/.. -HV-SMD WH, pitch: 2.5 mm, mounting: SMD soldering, pin arrangement: Linear pin arrangement, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Plug-in face orientation: Standard, locking: without, fixing type: without, packaging type: 44 mm wide strap

PCB headers, nominal cross section: 0.5 mm², color: signal white, nominal current: 6 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: PTSM 0,5/..-HV-SMD WH, pitch: 2.5 mm, mounting: SMD soldering, pin layout: Linear pad geometry, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 44 mm wide tape

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 PTSM 0,5/..-HV-SMD WH

Product line COMBICON Connectors XS

Type Standard

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 pad geometry

Solder pins per potential 1

Data management status

Article revision 01

Electrical propertiesNominal current IN 6 A

Nominal voltage UN 160 V

Contact resistance 2.2 mΩ

Rated voltage (III/3) 125 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) 320 V

Rated surge voltage (II/2) 2.5 kV

MountingMounting type SMD soldering

Pin layout Linear pad geometry

Processing notes

Process Reflow 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) signal white (9003)

Insulating material PA

Insulating material group I

CTI according to IEC 60112 600

Flammability rating according to UL 94 V0

DimensionsDimen...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTSM 0,5/ 7-HV0-2,5-SMD WH 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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