

## INDUSTRIAL COMPONENT DATA

# PTSM 0,5/ 2-HH-2,5-THR R16 1778625 PHOENIX CONTACT

## Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTSM 0,5/ 2-HH-2,5-THR R16



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | PTSM 0,5/ 2-HH-2,5-THR R16      |
| Catalog number  | 1778625                         |
| Category        | Printed circuit board connector |
| Minimum order   | 500 Pcs                         |
| Document ID     | EO-75F27E2A48                   |
| Generated       | 2026-08-03                      |

### Product Overview

#### Feed-through header

Printed circuit board base housing, nominal section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 2, number of rows: 1, number of poles: 2, number of connections: 2, family of articles: PTSM 0,5/..-HH-THR, pitch: 2.5 mm, mounting: Weld THR, pin arrangement: Linear pin arrangement, pin length [P]: 2.1 mm, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Plug-in face orientation: Standard, lock: without, fixing type: without, packing type: 16 mm wide strap

PCB headers, nominal cross section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/..-HH-THR, pitch: 2.5 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 16 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) |
|--------------|----------------------------------------|

### Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family PTSM 0,5/..-HH-THR

Product line COMBICON Connectors XS

Type Component suitable for through hole reflow

Number of positions 2

Pitch 2.5 mm  
Number of connections 2  
Number of rows 1  
Number of potentials 2  
Mounting flange without  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 02  
Electrical propertiesNominal current IN 6 A  
Nominal voltage UN 160 V  
Contact resistance 3 m?  
Rated voltage (III/3) 50 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 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 rating....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTSM 0,5/ 2-HH-2,5-THR R16 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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