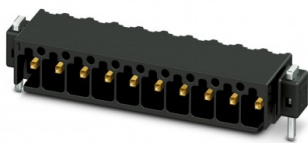


## INDUSTRIAL COMPONENT DATA

# MC 0,5/13-G-2,54 SMDR56C1 1706136 PHOENIX CONTACT

## Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MC 0,5/13-G-2,54 SMDR56C1



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | MC 0,5/13-G-2,54 SMDR56C1       |
| Catalog number  | 1706136                         |
| Category        | Printed circuit board connector |
| Minimum order   | 465 Pcs                         |
| Document ID     | EO-8F681D4A87                   |
| Generated       | 2026-08-05                      |

### Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 0.5 mm<sup>2</sup>, color: black, nominal current: 6 A, dimensioning voltage (III/2): 160 V, contact surface: Gold, contact type: Male, Number of potentials: 13, Number of rows: 1, Number of poles per row: 13, number of connections: 13, family of articles: MC 0.5/.. -G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin arrangement: Linear pad geometry, Stecksystem: MICRO COMBICON - FMC 0.5, Lock: without, packaging type: 56 mm wide strap, Fixed first pole coding, can be combined with FMC 0.5/...-ST-2.54 C1 connector

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: Au, contact connection type: Pin, number of potentials: 13, number of rows: 1, number of positions: 13, number of connections: 13, product range: MC 0,5/..-G-SMD, pitch: 2.54 mm, mounting: SMD soldering, pin layout: Linear pad geometry, number of solder pins per potential: 1, plug-in system: COMBICON FMC 0,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: 56 mm wide tape, Fixed coding of the first position, can be combined with the FMC 0,5/...-ST-2,54 C1 connector

## 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 MC 0,5/..-G-SMD

Product line COMBICON Connectors XS

Number of positions 13

Pitch 2.54 mm  
Number of connections 13  
Number of rows 1  
Number of potentials 13  
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 2.6 m?  
Rated voltage (III/3) 32 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 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 Completely gold-plated  
Metal surface contact area (top layer) Gold (0.25 Au)  
Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)  
Metal surface soldering area (top layer) Gold (0.25 Au)  
Metal surface soldering area (middle layer) Nickel (2 - 4 µm Ni)  
Material data - housing  
Color (Housing) black (9005)  
Insulating material LCP  
Insulating material group IIIa  
CTI according to IEC 60112 175  
Flammability rating according to UL 94 V0  
DimensionsDimensional drawing  
Pit...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MC 0,5/13-G-2,54 SMDR56C1 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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