# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 5, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: SMD soldering, pin layout: Linear pad geometry, Fixed coding of the first position, can be combined with the FMC 0,5/...-ST-2,54 C1 connector



The figure shows the 10-position version

## Your advantages

- Designed for integration into the SMT soldering process
- Additional solder anchors reduce the mechanical strain on the soldering spots
- Gold-plated contacts ensure transfer quality remains stable over the long term
- Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting

## Key Commercial Data

| | |
|---|---|
| Packing unit | 465 pc |
| Minimum order quantity | 465 pc |
| GTIN | 4 046356 842037 |
| GTIN | 4046356842037 |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 7.1 mm |
| Width | 17.28 mm |
| Pitch | 2.54 mm |
| Dimension a | 10.16 mm |
| Width [ w ] | 17.28 mm |
| Height [ h ] | 4.85 mm |
| Height | 4.85 mm |
| Pin dimensions | 0.64 x 0.64 mm |
| Length | 7.1 mm |

### General

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

## Technical data

### General

| | |
|---|---|
| Range of articles | MC 0,5/..-G-SMD |
| Insulating material group | IIIa |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/3) | 32 V |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 160 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 6 A |
| Insulating material | LCP |
| Flammability rating according to UL 94 | V0 |
| Color | black |
| Number of positions | 5 |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| Flammability rating according to UL 94 | V0 |

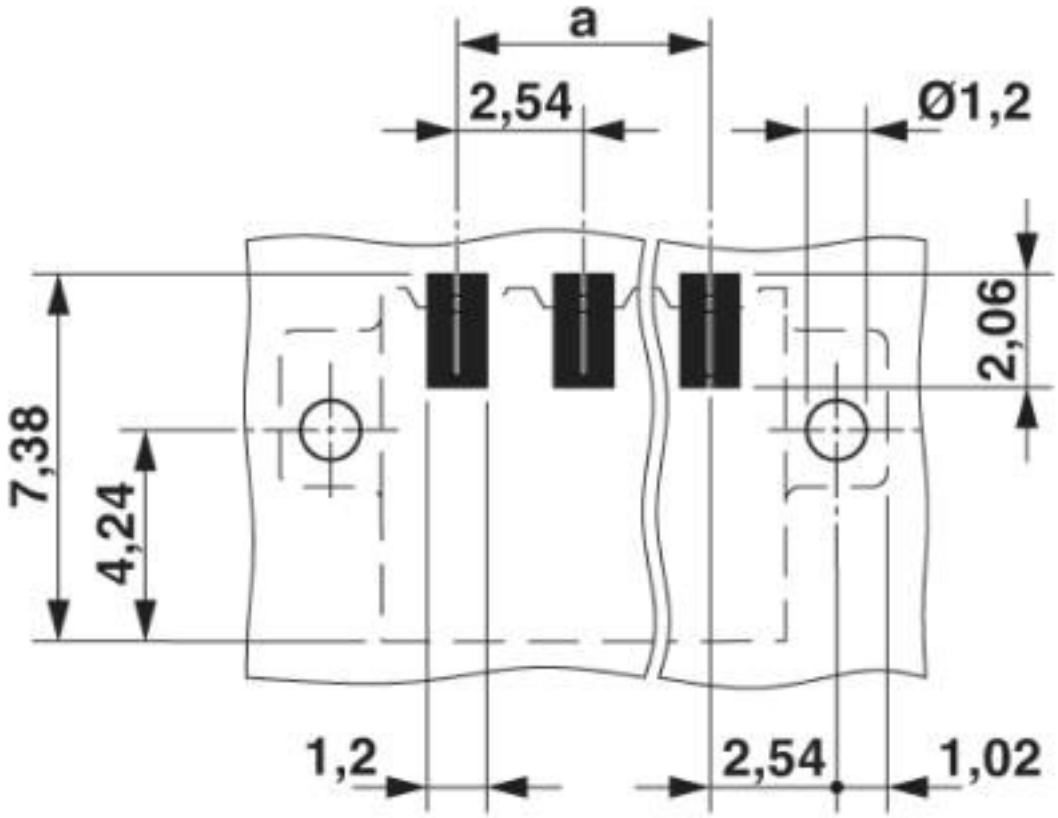
### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

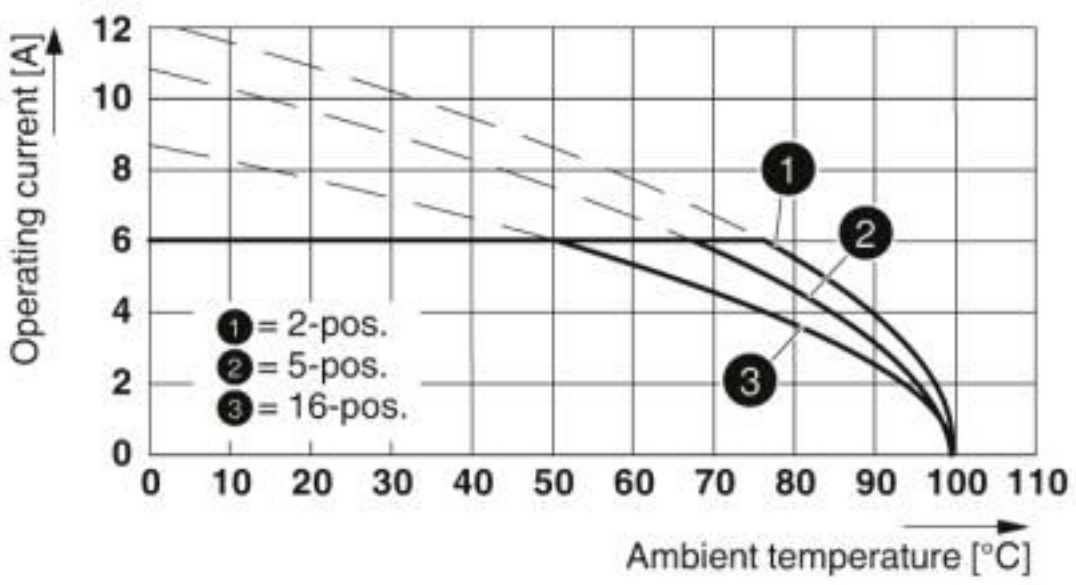
## Drawings

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

Drilling diagram



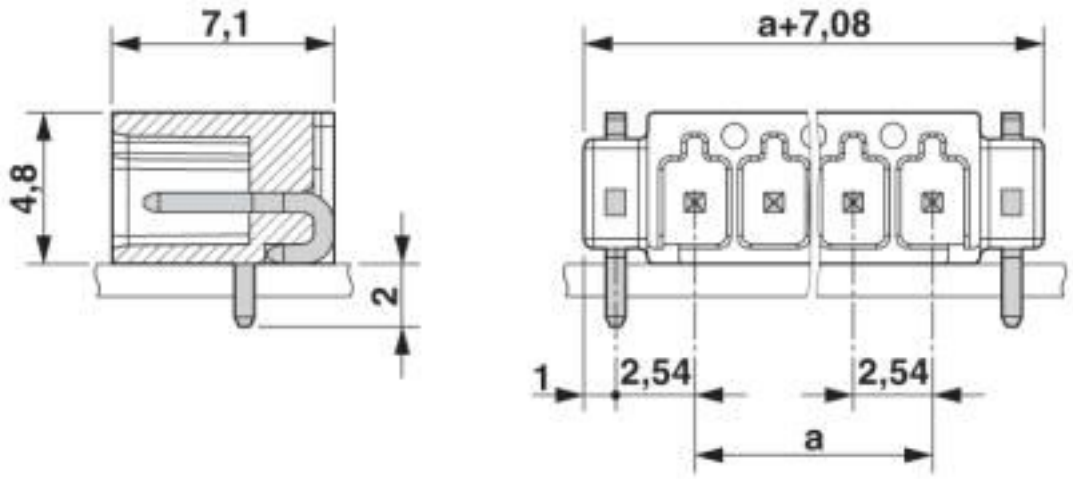

Diagram




Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 SMD R..

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27440402 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121409 |

## Approvals

### Approvals

Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

### Approval details

IECEE CB Scheme — http://www.iecee.org/ — DE1-63595

| | |
|---|---|
| Nominal voltage UN | 160 V |
| Nominal current IN | 6 A |

VDE Gutachten mit Fertigungsüberwachung — http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx — 40042258

| | |
|---|---|
| Nominal voltage UN | 160 V |
| Nominal current IN | 6 A |

EAC — B.01687

cULus Recognized — http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm — E60425-19920306

| | B | C |
|---|---|---|
| Nominal voltage UN | 150 V | 50 V |
| Nominal current IN | 6 A | 6 A |

## Accessories

### Accessories

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 SMDR24C1 - 1706146

## Accessories

### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 99, mounting type: adhesive, for terminal block width: 2.54 mm, lettering field size: 2.54 x 2.8 mm

## Additional products

Printed-circuit board connector - FMC 0,5/ 5-ST-2,54 C1 - 1706259



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 5, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold, Fixed coding of the first position, can be combined with MC(V) 0,5/...-G-2,54...C1 headers

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