

# Printed-circuit board connector - MC 0,5/ 6-G-2,54 P20 THR R44 - 1821287

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 6, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2 mm, Sample values available under SAMPLE MC...



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                   |               |
| GTIN                   | 4046356789448 |

## Technical data

### Dimensions

|                          |                |
|--------------------------|----------------|
| Length [ l ]             | 7.1 mm         |
| Width                    | 19.82 mm       |
| Pitch                    | 2.54 mm        |
| Dimension a              | 12.7 mm        |
| Width [ w ]              | 19.82 mm       |
| Height [ h ]             | 6.85 mm        |
| Installed height         | 4.85 mm        |
| Length of the solder pin | 2 mm           |
| Pin dimensions           | 0.64 x 0.64 mm |

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## Technical data

### Dimensions

|             |         |
|-------------|---------|
| Pin spacing | 2.54 mm |
| Length      | 7.1 mm  |

### General

|  |                  |
|--|------------------|
| Range of articles                      | MC 0,5/...-G-THR |
| 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 <sub>N</sub>         | 6 A              |
| Insulating material                    | LCP              |
| Flammability rating according to UL 94 | V0               |
| Color                                  | black            |
| Number of positions                    | 6                |

### Standards and Regulations

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

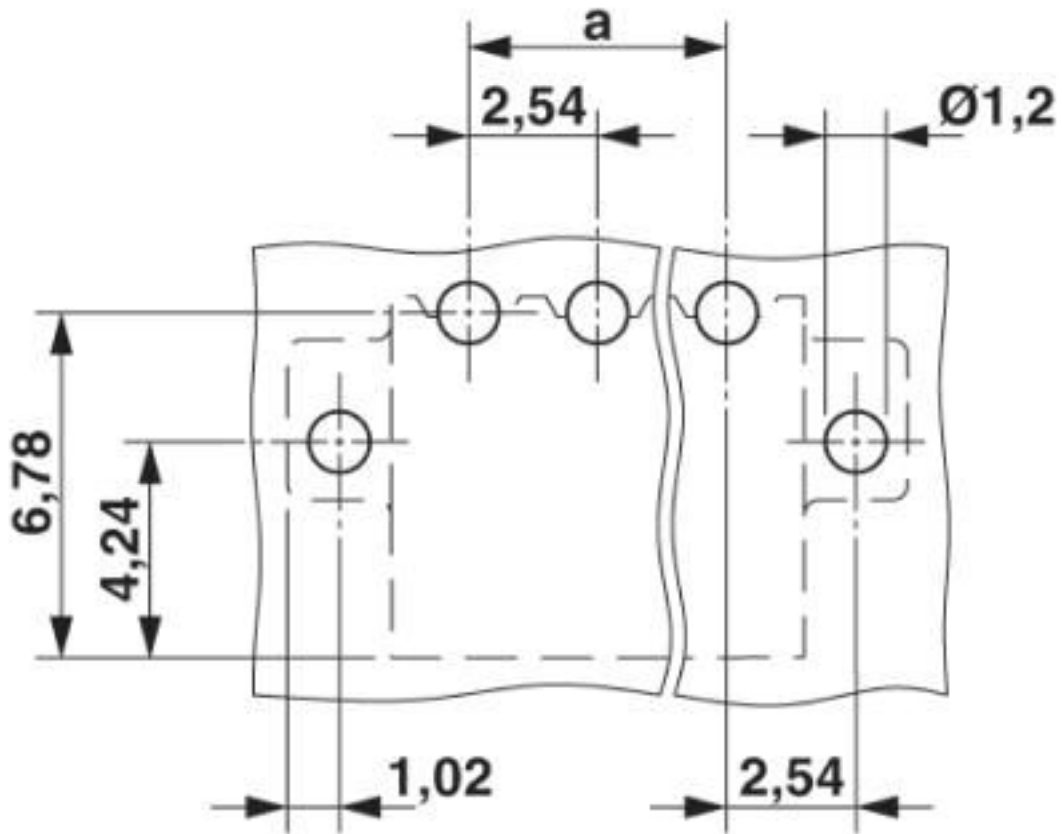
### Environmental Product Compliance

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

## Drawings

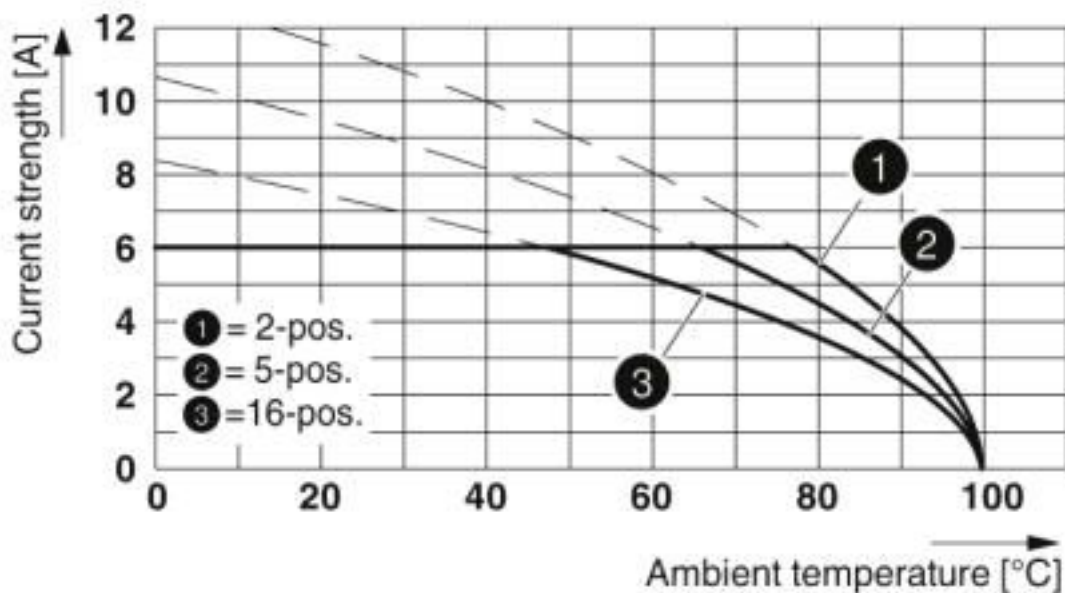
# Printed-circuit board connector - MC 0,5/ 6-G-2,54 P20 THR R44 - 1821287

Drilling diagram



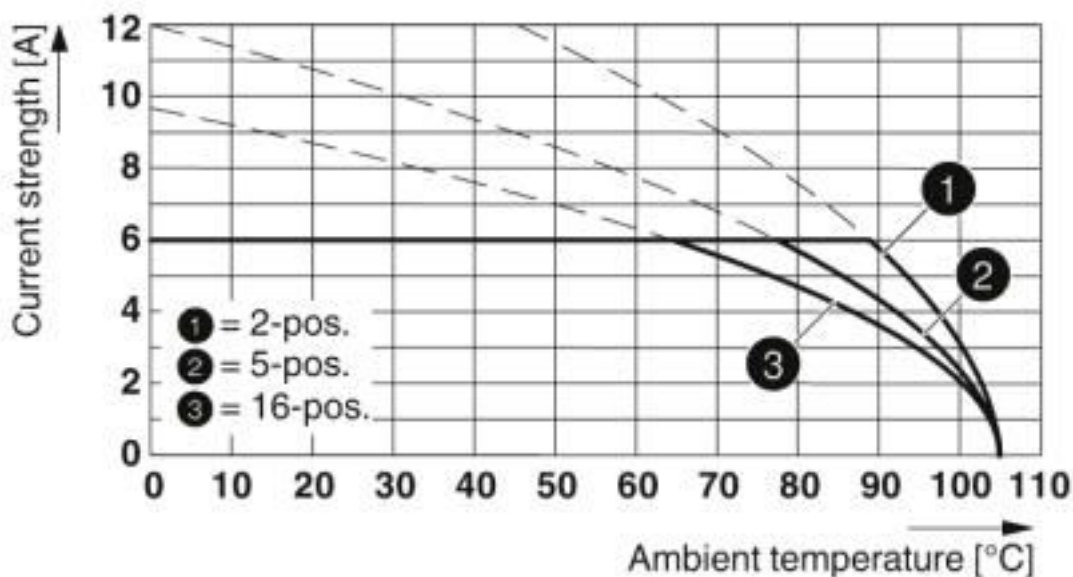
# Printed-circuit board connector - MC 0,5/ 6-G-2,54 P20 THR R44 - 1821287

Diagram



Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..

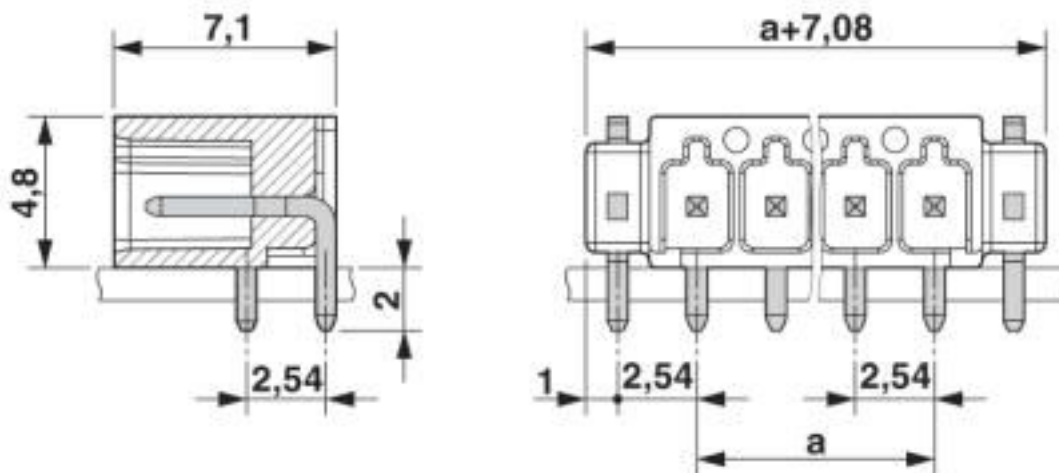
Diagram



Type: MCC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R...

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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 |

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals


### Approvals


#### Approvals


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


#### Ex Approvals

### Approval details

|                    |   |   |           |
|--------------------|---|---|-----------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-63595 |
| Nominal voltage UN | 160 V   |   |           |
| Nominal current IN | 6 A   |   |           |

|   |   |   |          |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40042258 |
| Nominal voltage UN                      | 160 V   |   |          |
| Nominal current IN                      | 6 A   |   |          |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

|                    |   |   |                 |
|--------------------|---|---|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19920306 |
|                    | B   | C   |                 |
| Nominal voltage UN | 150 V   | 50 V  |                 |
| Nominal current IN | 6 A   | 6 A   |                 |

## Printed-circuit board connector - MC 0,5/ 6-G-2,54 P20 THR R44 - 1821287

### Accessories

#### 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

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### PCB headers

Sample set - SAMPLE MC 0,5/ 6-G-2,54P20THR - 1706632



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### Additional products

Printed-circuit board connector - FMC 0,5/ 6-ST-2,54 - 1821135



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 6, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold

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