

# Printed-circuit board connector - MC 0,5/16-G-2,54 P20 THR R56 - 1821384

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering, Sample values available under SAMPLE MC...



The figure shows the 10-position version

## Why buy this product

- ✓ 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	1 STK
Minimum order quantity	465 STK
GTIN	 4 046356 789547
GTIN	4046356789547
Weight per Piece (excluding packing)	3.270 g
Custom tariff number	85366930
Country of origin	Poland

## Technical data

### Dimensions

Length [ l ]	7.1 mm
Pitch	2.54 mm

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## Technical data

### Dimensions

Dimension a	38.1 mm
Width [ w ]	45.22 mm
Constructional height	4.85 mm
Height [ h ]	6.85 mm
Length of the solder pin	2 mm
Pin dimensions	0,64 x 0,64
Pin spacing	2.54 mm
Hole diameter	1.2 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	16

### Standards and Regulations

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

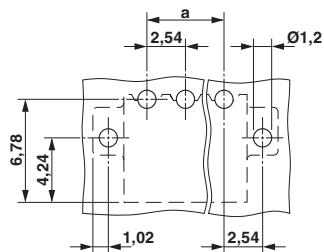
### Environmental Product Compliance

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

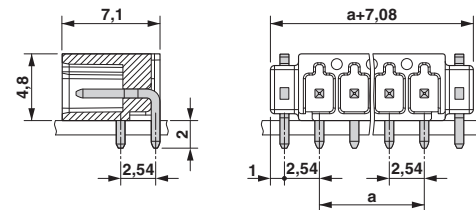
## Drawings

# Printed-circuit board connector - MC 0,5/16-G-2,54 P20 THR R56 - 1821384

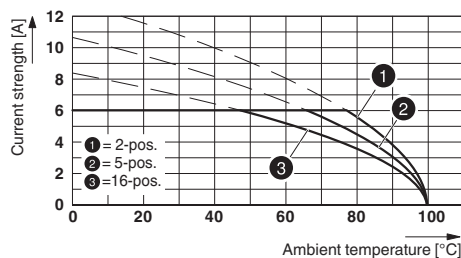
Drilling diagram



Dimensional drawing



Diagram



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

## Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
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

UNSPSC

UNSPSC 6.01	30211810
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# Printed-circuit board connector - MC 0,5/16-G-2,54 P20 THR R56 - 1821384

## Classifications

### UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals


### Approvals


#### Approvals


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

#### Ex Approvals

### Approval details

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 current I <sub>N</sub>	6 A	6 A	
Nominal voltage U <sub>N</sub>	150 V	50 V	


VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx</a>	40042258
Nominal current I <sub>N</sub>	6 A		
Nominal voltage U <sub>N</sub>	160 V		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-55663-B1
Nominal current I <sub>N</sub>	6 A		

## Printed-circuit board connector - MC 0,5/16-G-2,54 P20 THR R56 - 1821384

### Approvals

Nominal voltage UN	160 V
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EAC		B.01742
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### 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

### PCB headers

Sample set - SAMPLE MC 0,5/16-G-2,54 P20THR - 1836049



PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: THR soldering

### Additional products

Printed-circuit board connector - FMC 0,5/16-ST-2,54 - 1821232



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold

