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Flush-type connector - SACC-CI-M12MSB-5P SMD R32 - 1411985

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Flush-type connector, 5-position, Plug, straight, M12, B-coded, PCB mounting, SMD

Your advantages

☑ Reduced mounting costs thanks to two-piece device connector

☑ Packaging available for automated pick and place assembly

☑ All common pin assignments and codings available

☑ Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate

☑ Optional shield connection and seal for the device when not plugged in

RoHS

Key Commercial Data

Packing unit	100 pc
Minimum order quantity	100 pc
GTIN	4 046356 991766
GTIN	4046356991766

Technical data

Ambient conditions

Ambient temperature (operation)	-55 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
Degree of protection	IP67 (correctly plugged in and locked)

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	4 A
Rated voltage	60 V

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Technical data

General

Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	B-coded
Standards/regulations	M12 connector IEC 61076-2-101 In line with
Overvoltage category	III
Degree of pollution	3
Connection method	SMD
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Type of packaging	Belt

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Cable

Standards/specifications	M12 connector IEC 61076-2-101 In line with

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101 In line with
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

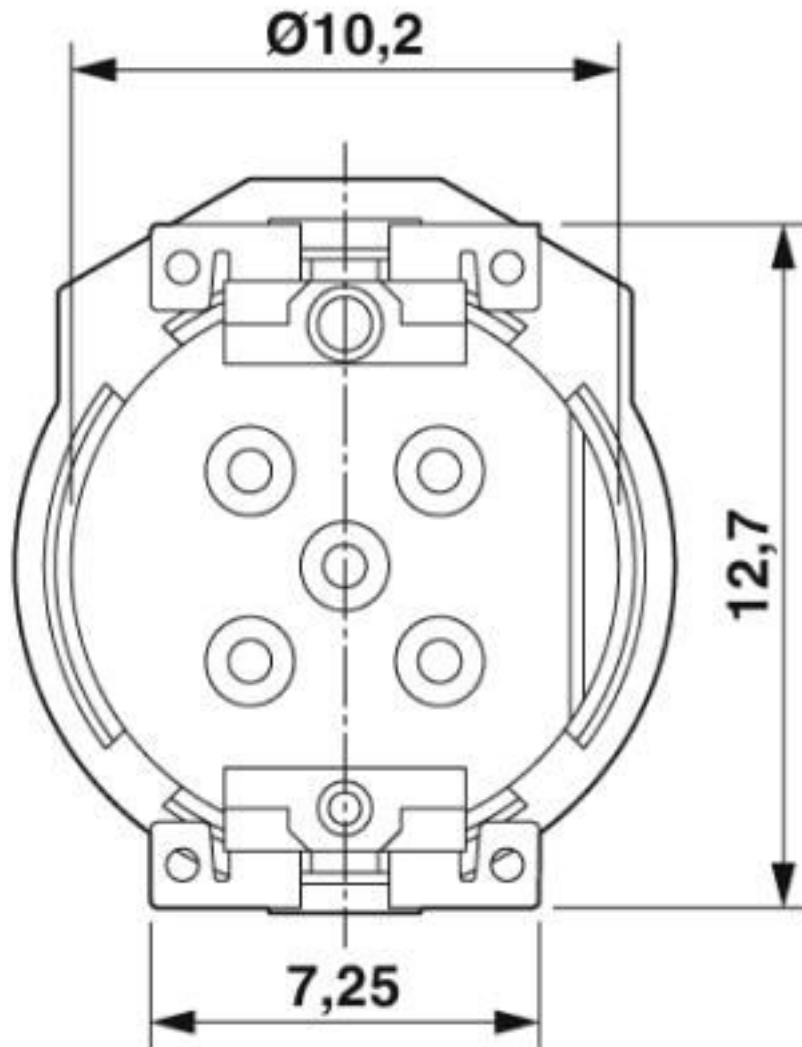# Flush-type connector - SACC-CI-M12MSB-5P SMD R32 - 1411985

Dimensional drawing
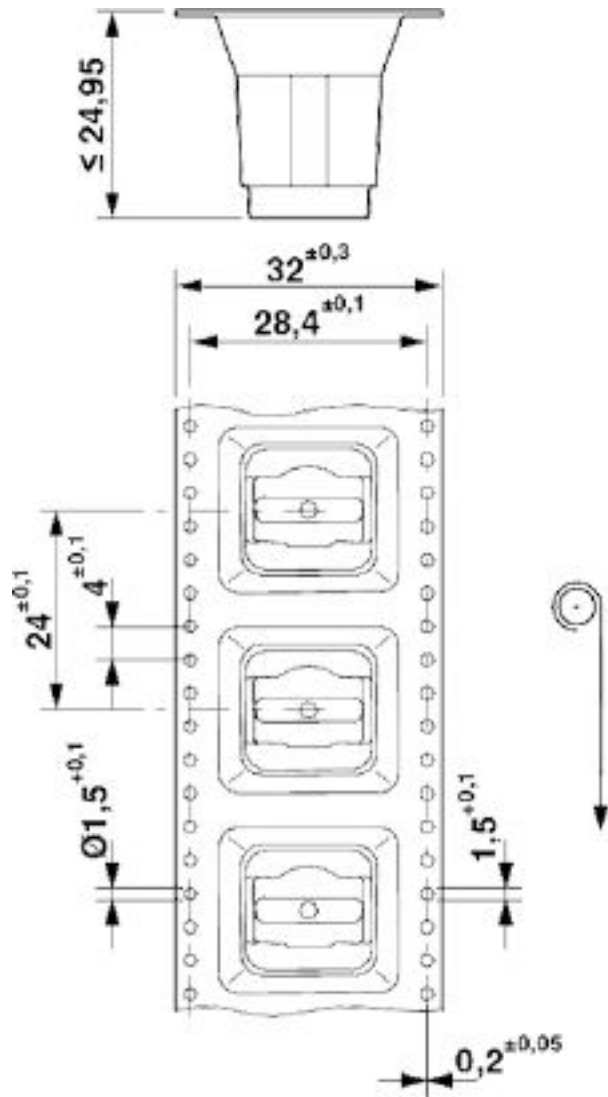
SMD tape-on-reel packing

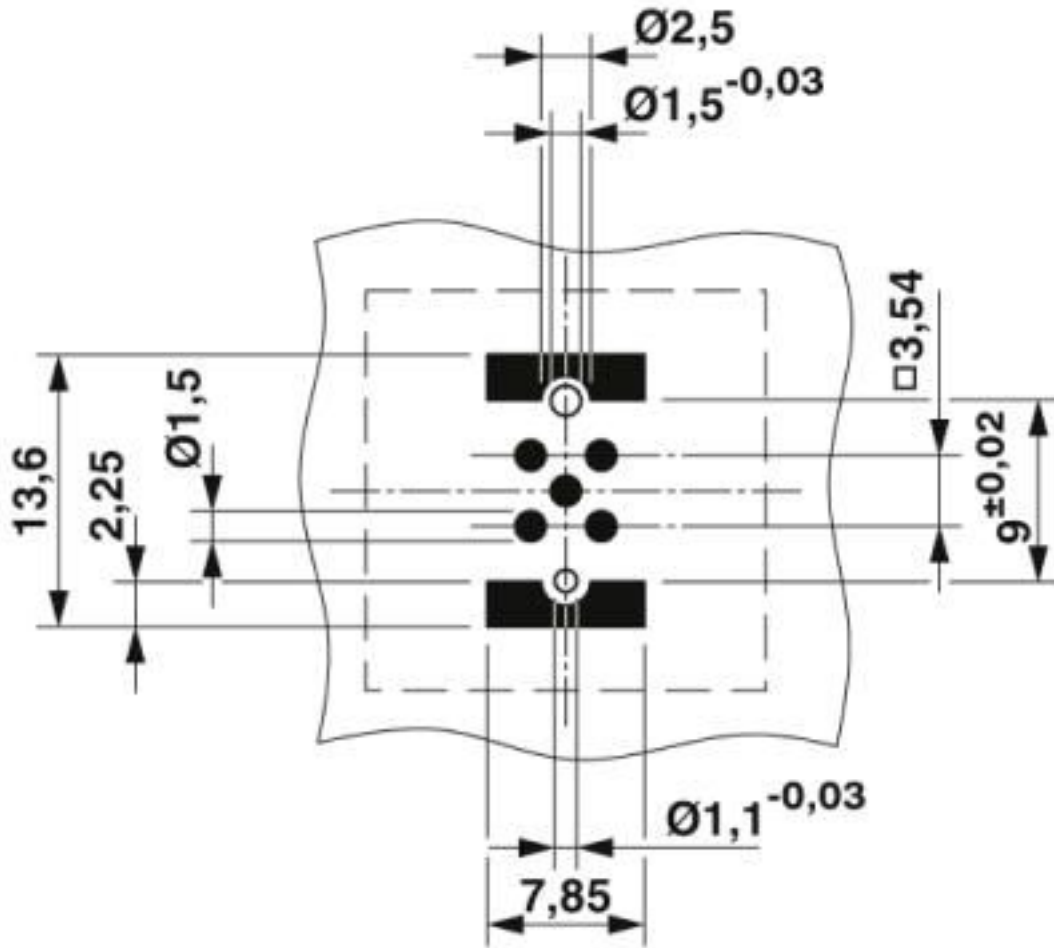# Flush-type connector - SACC-CI-M12MSB-5P SMD R32 - 1411985

Dimensional drawing

Ø10,2

12,7

7,25

View of solder side

Flush-type connector - SACC-CI-M12MSB-5P SMD R32 - 1411985

Drilling diagram

Ø2,5

Ø1,5 $^{-0,03}$

□3,54

13,6

2,25

Ø1,5

9 ±0,02

Ø1,1 $^{-0,03}$

7,85
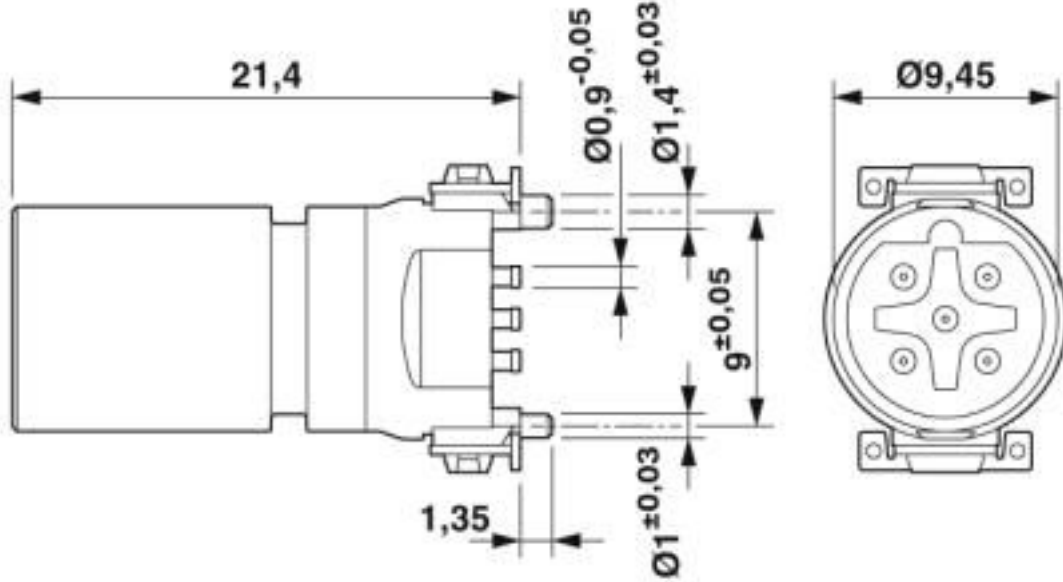
Soldering pad geometry

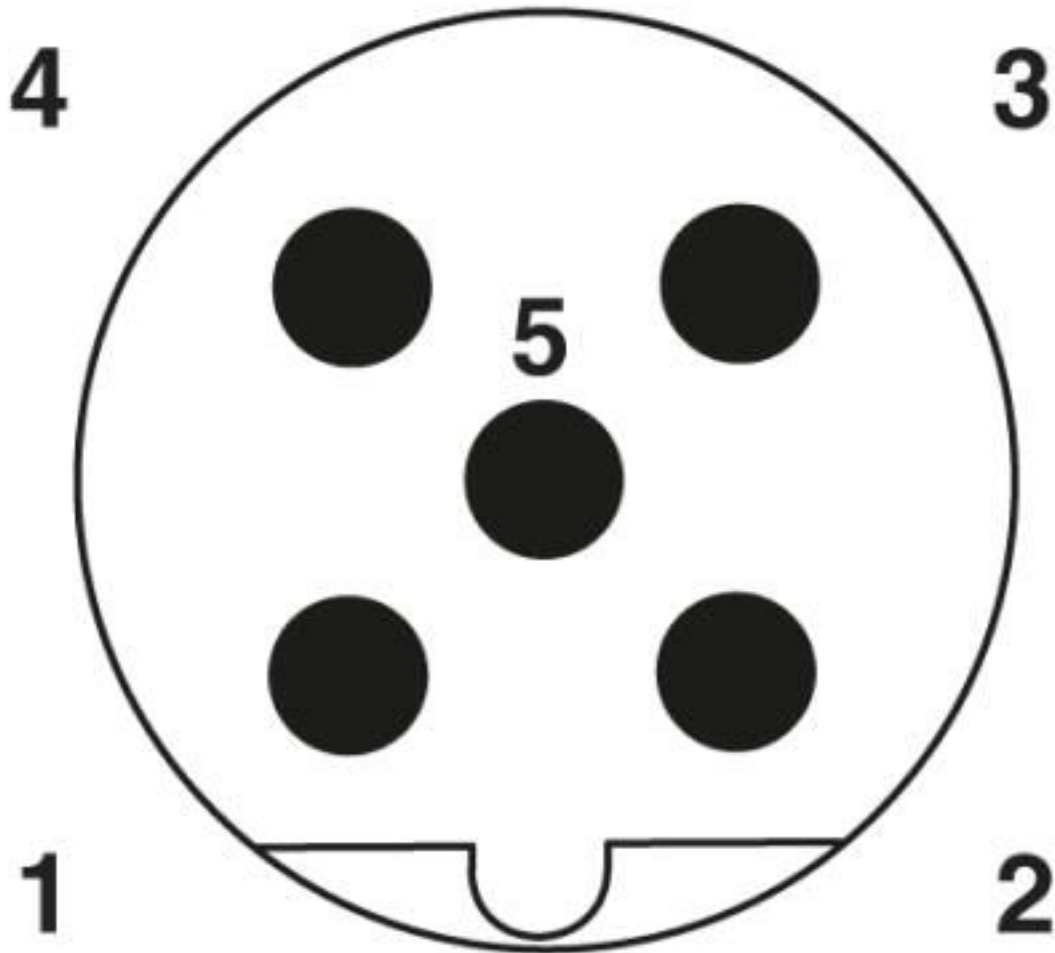# Flush-type connector - SACC-CI-M12MSB-5P SMD R32 - 1411985

Dimensional drawing

M12 male connector contact carrier

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Schematic diagram

4   3

5

1   2

Pin assignment M12 male connector, 5-pos., B-coded, male side

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

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Classifications

ETIM

ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC	EAC	B.01687

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E221474-20160506

Nominal voltage UN	60 V
Nominal current IN	4 A

Accessories

Accessories

Panel mounting base

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Accessories

Housing screw connection - SACC-BP-M-M12/M15-6-SMD - 1414000

Housing screw connection, Plug, M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-M-M12/M15-6-SMD SCO - 1414002

Housing screw connection, Plug, M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-FP-M-M12/M14 SMD - 1412078

M12 pin, front mounting SMD with M14 screw fastening

Housing screw connection - SACC-FP-M-M12/PRESS SMD - 1412080

Housing screw connection, pin, for the two-part M12 SMD connector, for press-in mounting.

Housing screw connection - SACC-BP-M-M12-SMD PP - 1107993

Housing screw connection, Plug, M12-Push-Pull, Rear mounting, M15 x 1, THR- und Wellenlötkontakte

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Accessories

Housing screw connection - SACC-FP-M-M12-SMD PP - 1107999

Housing screw connection, Plug, M12-Push-Pull, Front mounting, M14 x 1, THR- und Wellenlötkontakte

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