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Part Number: [1200705138](#)
Status: **Active**
Overview: [microchange_m12_connectors](#)
Description: Micro-Change® (M12) Male Receptacle with Flange, 8 Poles Solder Flag, PBC Mount

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Industrial Receptacles
Series	120070
IP Rating	IP67
Overview	microchange_m12_connectors
Product Name	Micro-Change® (M12)
Type	PCB Mount
Physical	
Coupling Type	External Thread
Gender	Male
Keyway	Single
Length	N/A
Material - Component	Nickel-plated Brass
Mounting Thread Size	N/A
Orientation	Straight
Panel Mount	N/A
Poles	8
Temperature Range - Operating	-40°C to +125°C
Wire Size AWG	N/A
Wire/Cable Type	N/A

Electrical	
Current - Maximum per Contact	8A
Voltage - Maximum	30V AC / 36V DC

Material Info	
Old Part Number	0912 083GM 04000

Reference - Drawing Numbers	
Sales Drawing	SD-120070-003

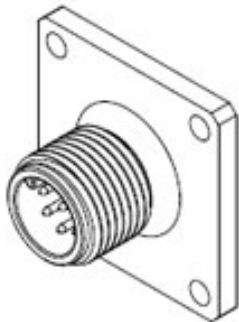


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

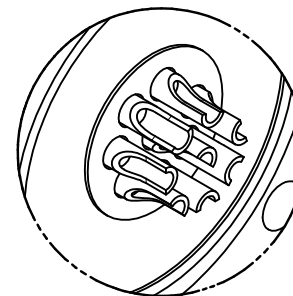
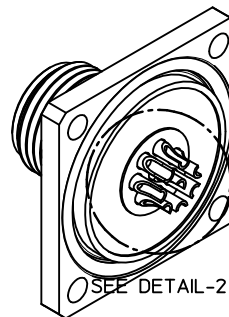
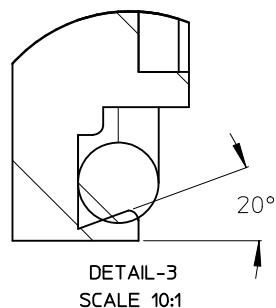
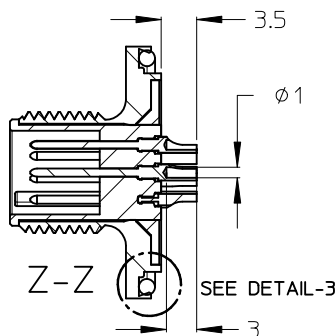
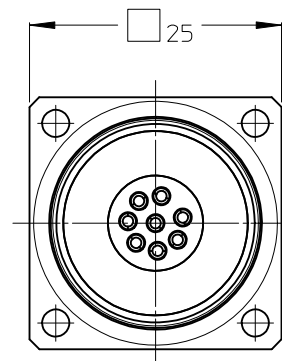
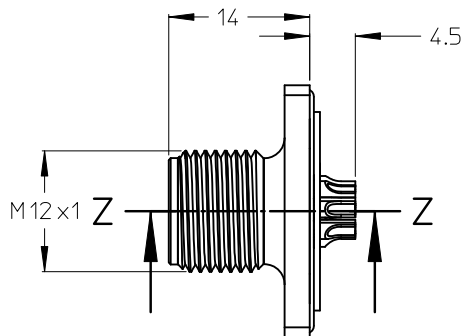
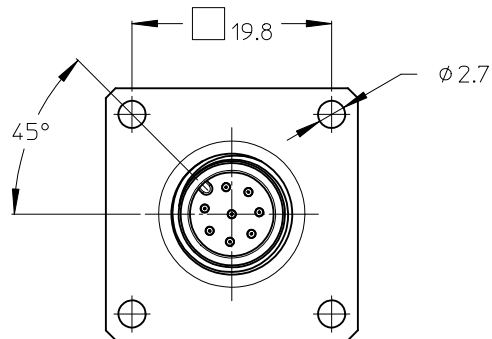


Need more information on product environmental compliance?
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)
Please visit the [Contact Us](#) section for any non-product compliance questions.

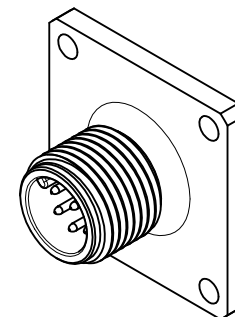
Search Parts in this Series
[120070Series](#)

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10 9 8 7 6 5 4 3 2 1



DETAIL-2
SCALE 4:1



Engineering Number:
0912 083GM 04000

TECHNICAL DATA:

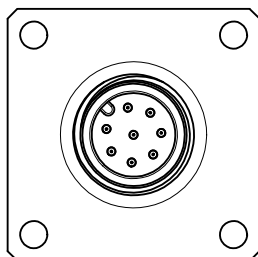
M12 8 pole flange solder Version with solderwings.
The bottom and the drills are equivalent to
M23 flange housing.

poles: 8
coding: type A
nominal voltage: 30VAC / 36VDC
max current: 3A
contact resistance: < 5m Ohms
test voltage: 0,8 KV / 60 sec.
insulation withstand: > 1 GOhm

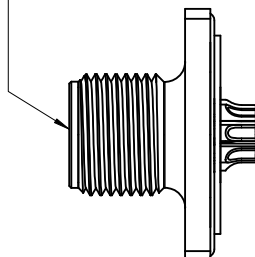
IP Degree of protection: IP 67 in connection area
Temperature range: -40°C to 125°C

ENTER DESCRIPTION EC NO: WEU2010-0369 DRWN:STAUDIGEL 2010/02/17 CHKD:FPACHER 2010/02/20 APPR:FPACHER 2010/02/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY DATE		TITLE M12 FLANGE WITH M23 SQUARE SOLDER FLAG				
					NSTAUDIGEL 2010/02/17						
					CHECKED BY DATE		MOLEX INCORPORATED				
					APPROVED BY DATE						
					FPACHER 2010/02/19		SHEET NO. 1 OF 2				
					MATERIAL NO.						
					1200705138						
					SIZE A3						

10 9 8 7 6 5 4 3 2 1

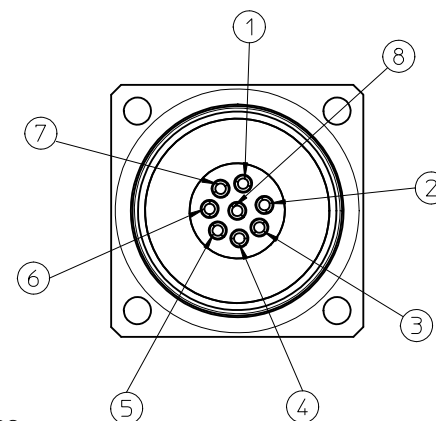


Frontend



Backend

Take care of the distances when soldering.



ELECTRICAL INTERCONNECTION DATA

For the electrical interconnection by single threads or wires the minimum air- and creeping distances MUST NOT BE EXCEEDED. These are the basement data according to IEC 60664.

GENERAL:

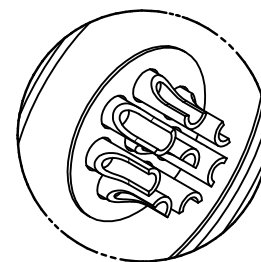
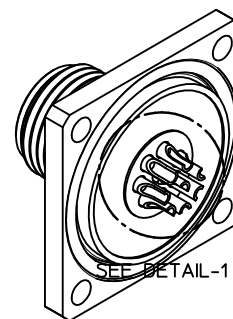
nominal voltage: 30VAC / 36VDC
rated impulse voltage: 0,8 kV
CTI value: >600

FRONTEND:

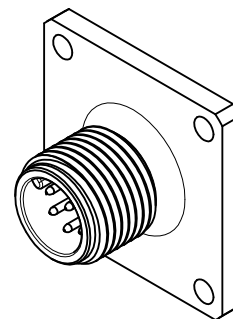
overvoltage category: III
pollution degree: III
minimum air distance: 0,8 mm
minimum creeping dist.: 1,3 mm

BACKEND:

overvoltage category: III
pollution degree: II
minimum air distance: 0,2 mm
minimum creeping dist.: 0,53 mm



DETAIL-1
SCALE 4:1



ENTER DESCRIPTION EC NO: WEU2010-0369 DRWN:NSTAUDIGEL 2010/02/17 CHKD:FPACHER 2010/02/20 APPR:FPACHER 2010/02/24	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
					DRAWN BY NSTAUDIGEL	DATE 2010/02/17	TITLE M12 FLANGE WITH M23 SQUARE SOLDER FLAG						
					CHECKED BY	DATE							
					APPROVED BY FPACHER		DATE 2010/02/19	 MOLEX INCORPORATED	SHEET NO. 2 OF 2				
					MATERIAL NO. 1200705138		DOCUMENT NO. SD-120070-003						
	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							