

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1200705138

Status:

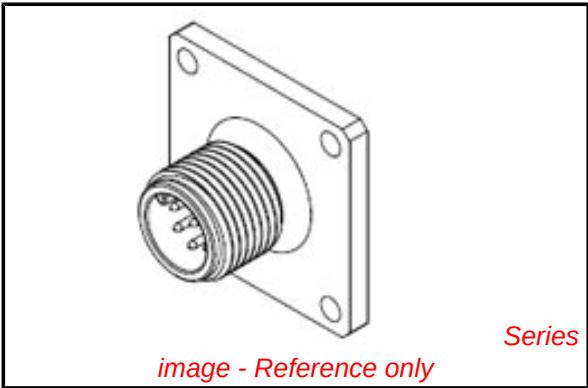
Active

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

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](#)

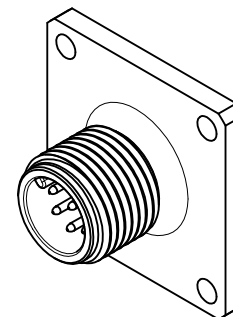
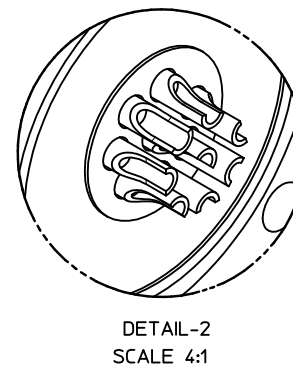
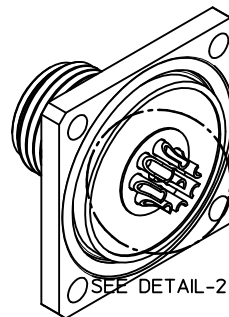
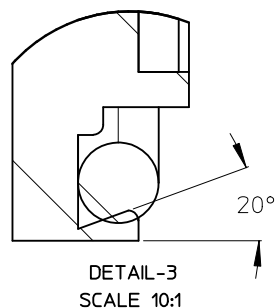
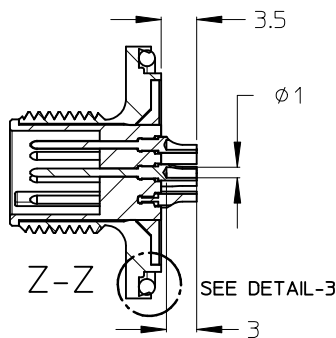
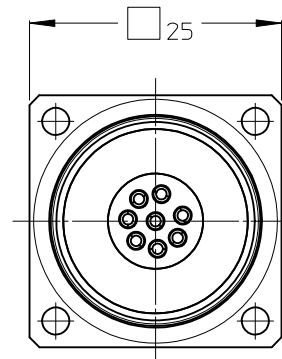
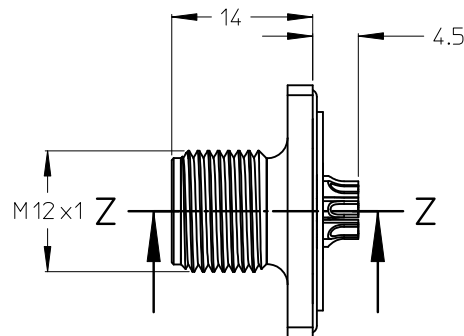
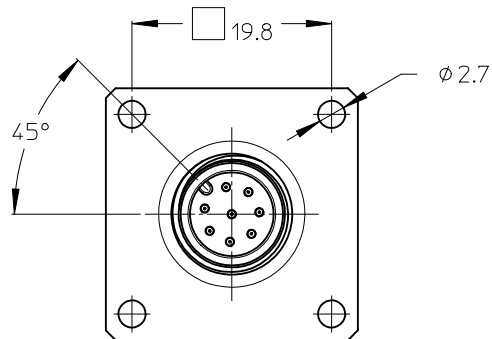
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

120070Series

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10 9 8 7 6 5 4 3 2 1



Engineering Number:
0912 083GM 04000

TECHNICAL DATA:

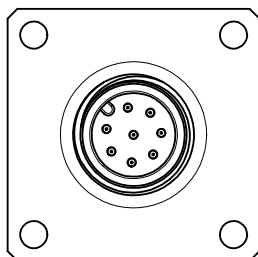
M12 8 pole flange solder Version with solderwings.
The bottom and the drills are equivalent to
M23 flange housing.

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

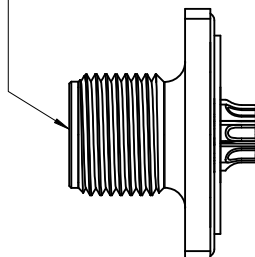
IP Degree of protection: IP 67 in connection area
Temperature range: -40°C to 125°C

ENTER DESCRIPTION EC NO: WEU2010-0369 DRAWN: 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 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		1 OF 2			
						MATERIAL NO.					
						1200705138					
						SIZE					
						A3					

10 9 8 7 6 5 4 3 2 1

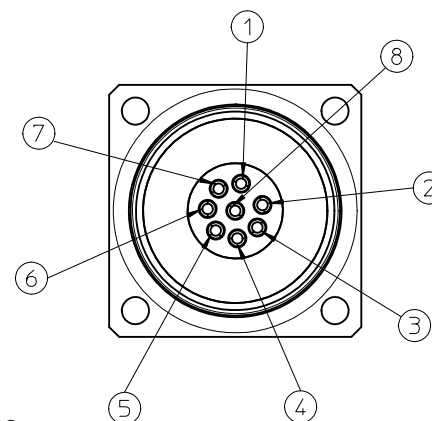


Frontend



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:

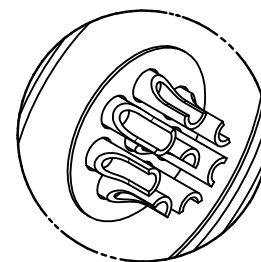
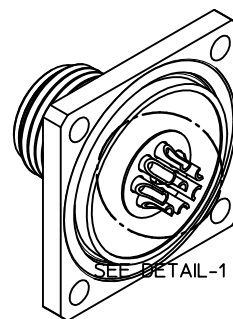
nominal voltage: 30VAC / 36VDC
rated impulse voltage: 0,8 kV
CTI value: >600

FRONTEND:

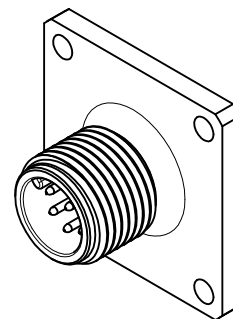
overvoltage category: III
pollution degree: III
minimum air distance: 0,8 mm
minimum creeping dist.: 1,3 mm

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 DRW/INSTAUIDIGEL 2010/02/17 CHK/DFFPACHER 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	
					mm	INCH	DRAWN BY NSTAUDIGEL	DATE 2010/02/17	TITLE M12 FLANGE WITH M23 SQUARE SOLDER FLAG			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					4 PLACES	± ---	± ---	CHECKED BY			DATE	MOLEX INCORPORATED
					3 PLACES	± ---	± ---					
					2 PLACES	± 0.05	± ---					
					1 PLACE	± 0.1	± ---					
										ANGULAR ± ---°		APPROVED BY FPACHER
							MATERIAL NO. 1200705138	DOCUMENT NO. SD-120070-003		SHEET NO. 2 OF 2		
							SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				