This document was generated on 05/31/2010

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Part Number: 1200660883
Status: Active
Overview: microchange_m12_connectors
Description: Micro-Change® (M12) 4 Pole, Female (Straight) to Male (Straight) Cordset, 4-18 AWG TPE Cable, 2.0M (6.56')

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

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
120066Series

Agency Certification

CSA	LR6837
UL	E152210

General

Product Family	Industrial Cordsets
Series	120066
Connector End A	Micro-Change® (M12)
Connector End B	Micro-Change® (M12)
IP Rating	IP68
NEMA Rating	NEMA 6
Overview	microchange_m12_connectors
Product Name	Micro-Change® (M12)
Type	Double Ended

Physical

Cable Diameter	7.14mm (.281")
Cable Length	2.0m (6.56')
Color - Cable Jacket	Yellow
Coupling Style	Threaded
Gender	Female-Male
Keyway	Single
LED Indicator	No
Material - Cable Jacket	TPE
Material - Connector Body	TPE
Material - Contact	Copper
Material - Coupling Nut	Teflon Nickel-plated Brass
Material - O-Ring	Viton
Material - Plating Mating	Gold over Nickel
Orientation	Straight
Poles	4
Temperature Range - Operating	-20°C to +105°C
Wire Size AWG	18
Wire/Cable Type	UL 2250

Electrical

Current - Maximum per Contact	4A
Voltage - Maximum	250V AC/DC

Material Info

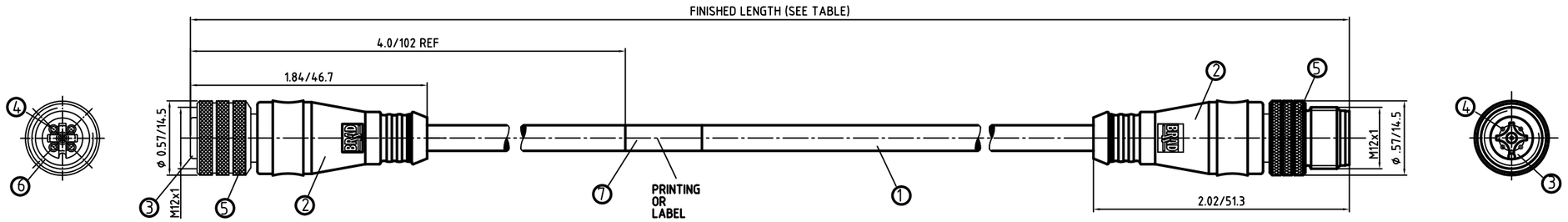
Old Part Number	884030K03M020

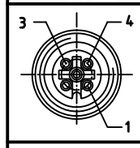
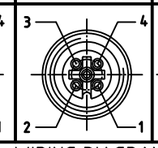
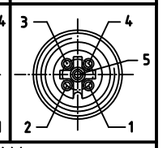
Reference - Drawing Numbers

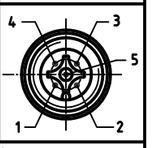
Sales Drawing	SD-120066-020

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FEMALE FACE VIEW		
3-POLE	4-POLE	5-POLE
		
WIRING DIAGRAM		
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY

MALE FACE VIEW		
3-POLE	4-POLE	5-POLE
		
WIRING DIAGRAM		
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY

CONNECTOR SPECIFICATION:

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 105°C
ASSEMBLY IS RoHS COMPLIANT	

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	TEFLON/NICKEL
4	SOCKET/PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	TPE	YELLOW
1	CABLE- #18/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	JACKET: TPE	JACKET: YELLOW

DESCRIPTION
EC NO: WEU2010-0317 2010/02/01
DRWN: LSTEMMLE 2010/02/01
CH'KD: NS ----
APPR: FPACHER 2010/02/03
DESCRIPTION

1
REV

QUALITY SYMBOLS
▼ = 0
Ⓒ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---
ANGULAR ±	--- °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LSTEMMLE DATE: 2010/02/01
CHECKED BY: RE DATE: 2010/02/02
APPROVED BY: FPACHER DATE: 2010/02/03

MICRO-CHANGE CORDSET 3/4/5 P. FE STR/ MA STR 18/3-5 YELLOW TPE CABLE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE SHEET 2
DOCUMENT NO.: SD-120066-020
SHEET NO.: 1 OF 1
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
5	1200661033	885030K03M006	.6M +44.5 -0 [1.97' +1.75" -0]
5	1200661034	885030K03M010	1.0M +55.6 -0 [3.27' +2.19" -0]
5	1200661035	885030K03M020	2.0M +88.9 -0 [6.56' +3.50" -0]
5	1200661036	885030K03M030	3.0M +88.9 -0 [9.84' +3.50" -0]
5	1200661037	885030K03M040	4.0M +165.1 -0 [13.12' +6.50" -0]
5	1200661038	885030K03M050	5.0M +165.1 -0 [16.40' +6.50" -0]
5	1200661039	885030K03M060	6.0M +165.1 -0 [19.69' +6.50" -0]
5	1200661040	885030K03M070	7.0M +165.1 -0 [22.96' +6.50" -0]
5	1200661041	885030K03M080	8.0M +317.5 -0 [26.25' +12.50' -0]
5	1200661042	885030K03M090	9.0M +317.5 -0 [29.43' +12.50' -0]
5	1200661043	885030K03M100	10.0M +317.5 -0 [32.81' +12.50' -0]
5	1200661044	885030K03M150	15.0M +622.3 -0 [49.21' +24.50" -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
4	1200660878	884030K03M003	0.3M +44.5 -0 [0.99' +1.75" -0]
4	1200660880	884030K03M006	0.6M +44.5 -0 [1.97' +1.75" -0]
4	1200660881	884030K03M010	1.0M +55.6 -0 [3.27' +2.19" -0]
4	1200660882	884030K03M015	1.5M +55.6 -0 [4.91' +2.19" -0]
4	1200660883	884030K03M020	2.0M +88.9 -0 [6.56' +3.50" -0]
4	1200660887	884030K03M030	3.0M +88.9 -0 [9.84' +3.50" -0]
4	1200660891	884030K03M040	4.0M +165.1 -0 [13.12' +6.50" -0]
4	1200660895	884030K03M050	5.0M +165.1 -0 [16.40' +6.50" -0]
4	1200660898	884030K03M060	6.0M +165.1 -0 [19.69' +6.50" -0]
4	1200660899	884030K03M070	7.0M +165.1 -0 [22.96' +6.50" -0]
4	1200660900	884030K03M080	8.0M +317.5 -0 [26.25' +12.50' -0]
4	1200660901	884030K03M090	9.0M +317.5 -0 [29.43' +12.50' -0]
4	1200660902	884030K03M100	10.0M +317.5 -0 [32.81' +12.50' -0]
4	1200660903	884030K03M110	11.0M +317.5 -0 [36.08' +12.50' -0]
4	1200660904	884030K03M120	12.0M +317.5 -0 [39.37' +12.50' -0]
4	1200660905	884030K03M140	14.0M +317.5 -0 [45.91' +12.50' -0]
4	1200660906	884030K03M150	15.0M +622.3 -0 [49.21' +24.50" -0]
4	1200660907	884030K03M160	16.0M +622.3 -0 [52.48' +24.50" -0]
4	1200660908	884030K03M170	17.0M +622.3 -0 [55.75' +24.50" -0]
4	1200660909	884030K03M200	20.0M +622.3 -0 [65.62' +24.50" -0]
4	1200660885	884030K03M250	25.0M +622.3 -0 [82.02' +24.50" -0]
4	1200660886	884030K03M270	27.0M +622.3 -0 [88.56' +24.50" -0]
4	1200660888	884030K03M320	32.0M +622.3 -0 [104.97' +24.50" -0]
4	1200660889	884030K03M350	35.0M +622.3 -0 [114.83' +24.50" -0]
4	1200660890	884030K03M370	37.0M +622.3 -0 [121.37' +24.50" -0]
4	1200660893	884030K03M430	43.0M +622.3 -0 [141.06' +24.50" -0]
4	1200660894	884030K03M450	45.0M +622.3 -0 [147.60' +24.50" -0]
4	1200660896	884030K03M550	55.0M +622.3 -0 [180.41' +24.50" -0]
4	1200660897	884030K03M580	58.0M +622.3 -0 [190.22' +24.50" -0]

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DRAWN BY: LSTEMMLE DATE: 2010/02/01
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MICRO-CHANGE CORDSET
3/4/5 P. FE STR/ MA STR
18/3-5 YELLOW TPE CABLE

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MATERIAL NO.: SEE TABLE
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