

12

11

10

9

8

7

6

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4

3

2

1

MATERIAL NO.	ENGINEERING NO.	FINISHED LENGTH
1200870067	443030A10M002	0.2M [8 IN]
1200870083	443030A10M100	10M [32FT 10 IN]
1200870086	443030A10M250	25M [82FT]

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE : 60 VAC / 75 VDC
CURRENT: 4A
4. TEMP RATING: -20° TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. UL LISTED FILE: E152210
CSA CERTIFIED FILE: LR6837
7. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

Ø.39
[10.0]

4

3

3

1

9

FEMALE FACE VIEW

FINISHED LENGTH

4.00
[101.6]

1.23
[31.2]

M8x1

BRAD

2

P/N
XXXXX

1

10

1.47
[37.3]

M8x1

BRAD

8

2

7

Ø.17
[4.3]

1

Ø.39
[10.0]

4

3

1

5

6

MALE FACE VIEW

10

WRAP LABEL

VINYL

YELLOW

9

O-RING

VITON

RED

8

MALE COUPLING NUT

BRASS

NICKEL PLATED

7

FEMALE COUPLING NUT

BRASS

NICKEL PLATED

6

PIN CONTACT

COPPER ALLOY

GOLD PLATED

5

MALE INSERT

PUR

BLACK

4

SOCKET CONTACT

COPPER ALLOY

GOLD PLATED

3

FEMALE INSERT

PUR

BLACK

2

OVERMOLD

TPC

YELLOW

1

CABLE #24/3 AWG

PVC

YELLOW

ITEM

COMPONENT

MATERIAL

FINISH

1

BROWN

1

3

BLUE

3

4

BLACK

4

WIRING DIAGRAM

FUNCTIONAL SYMBOLS

FA=0

FC=0

FP=0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

INCH/MM

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

±----

±----

3 PLACES

±----

±----

2 PLACES

±----

±----

1 PLACE

±----

±----

0 PLACES

±----

±----

ANGULAR TOL

±

°

DRAFT WHERE APPLICABLE

MUST REMAIN

WITHIN DIMENSIONS

CURRENT REV DESC: OVERMOLD WAS TPE. INSERTS WERE PBT. COUPLING NUT FINISH MODIFIED. ITEM-10 WAS MYLAR. ADDED PN LEGENG & TOL CHART. MODIFIED PN CHART

EC NO: 800244

DRWN: ABENJAMINLW

CHK'D: PDODDAMANEMY

APPR: BWOODMAN

2024/10/03

2024/10/04

2024/10/04

INITIAL REVISION:

DRWN: BWOODMAN

APPR: JFMURPHY

2009/03/26

2009/04/01

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

120087

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

SD-120087-004

PSD

001

B

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE|DOC PART|REVISION

SD-120087-004

PSD

001

B

molex

NANO-CHANGE CORDSET, M8

3 POLE, MALE-FEMALE, STRAIGHT, #24 AWG

12

11

10

9

8

7

6

5

4

3

2

1

12

11

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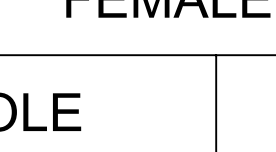
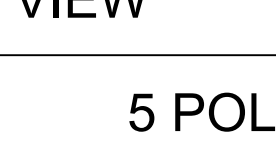
4

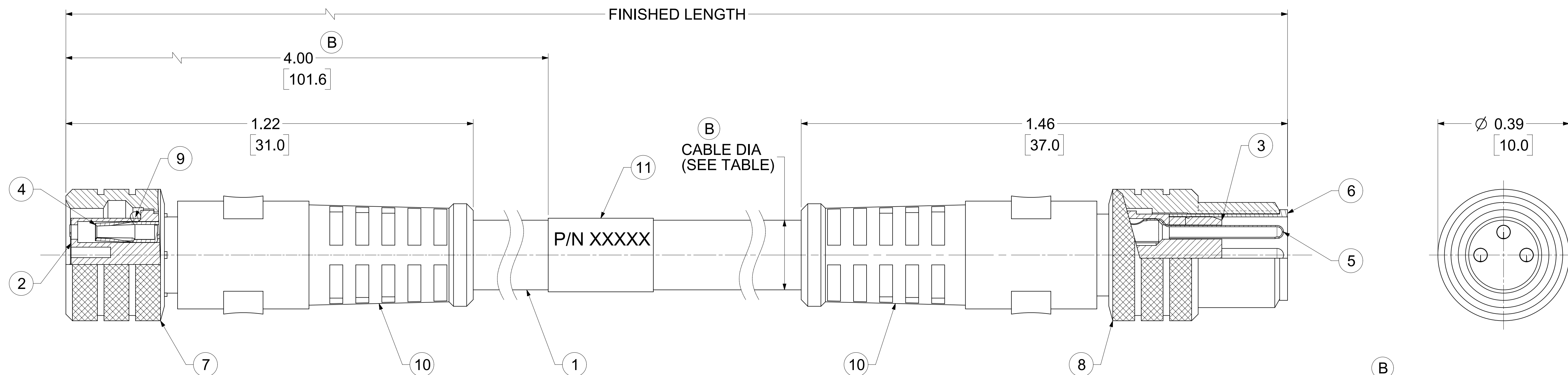
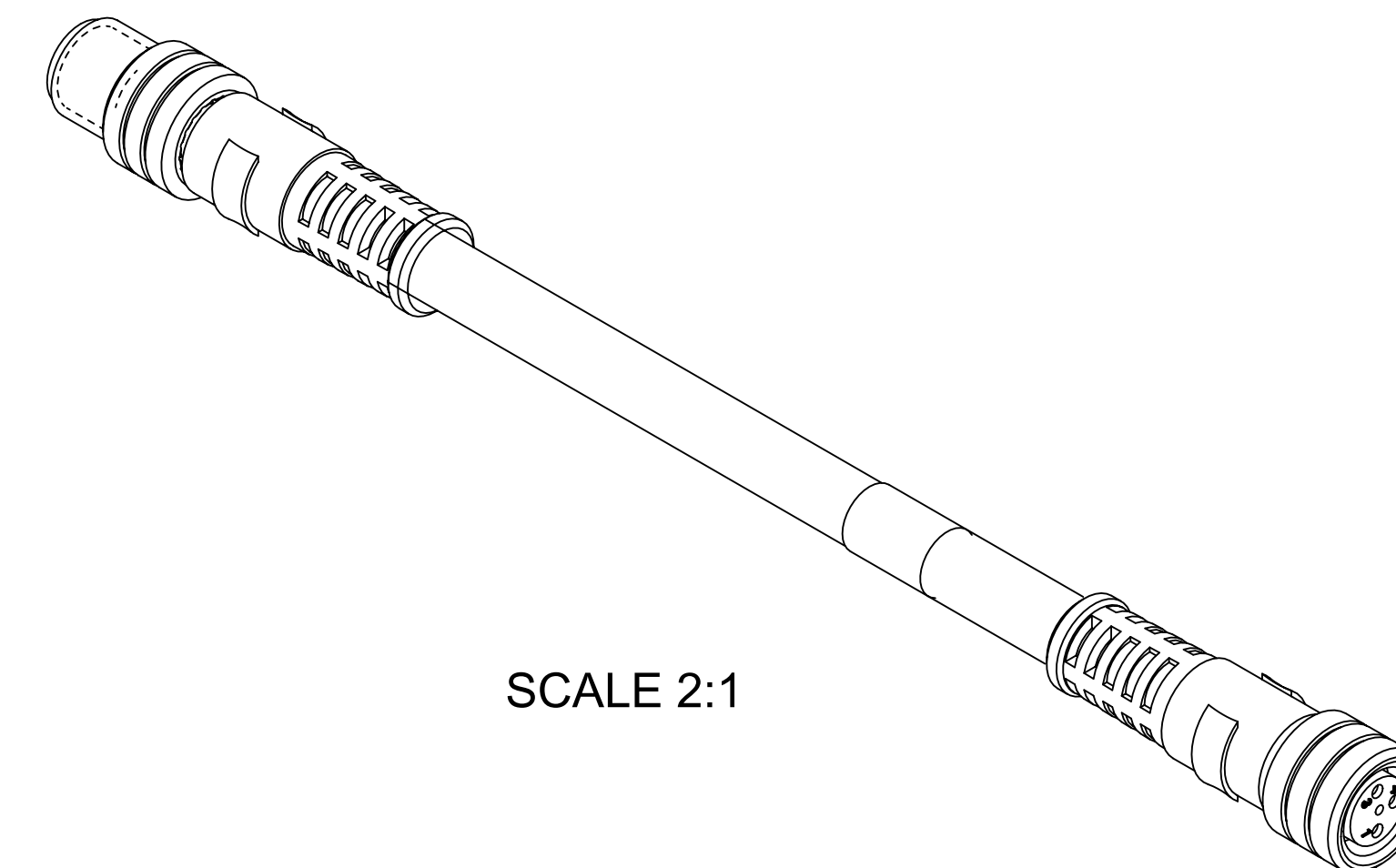
3

2

1

	20	19	18	17	16		
M	MATERIAL NO.		ENGINEERING NO.		FINISHED LENGTH		(B)
	1200870074		443030A10M010		1M [3 FT 3 IN]		
	1200870098		444030A10M050		5M [16 FT 5 IN]		
	1200871070		445030A10M160		16M [52 FT 5.9 IN]		

15	14	13	12	11	10	9	8
FEMALE INSERT FRONT VIEW				MALE INSERT FRONT VIEW			
3 POLE		4 POLE		5 POLE		5 POLE	
							
1 BROWN 3 BLUE 4 BLACK		1 BROWN 2 WHITE 3 BLUE 4 BLACK		1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY		1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY	



NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 60VAC/75VDC
CURRENT: 4A (3&4 POLE), 3A (5 POLE)
4. TEMP RATING: -20°C TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M8x1
7. UL LISTED FILE: E152210
CSA CERTIFIED FILE: LR6837
8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

C	11	WRAP LABEL	VINYL	BLACK/YELLOW
	10	OVERMOLD	TPC	YELLOW
	9	GASKET	VITON	RED
	8	MALE COUPLING NUT	BRASS	NICKEL PLATED
	7	FEMALE COUPLING NUT	BRASS	NICKEL PLATED
B	6	MALE SLEEVE	BRASS	COPPER/NICKEL
	5	PIN CONTACT	Cu ALLOY	GOLD OVER NICKEL
	4	SOCKET CONTACT	Cu ALLOY	GOLD OVER NICKEL
	3	MALE INSERT	PUR	BLACK
	2	FEMALE INSERT	PUR	BLACK
A	1	CABLE, 3-5P, 24AWG, PVC	PVC JACKET	YELLOW
	ITEM	DESCRIPTION	MATERIAL	FINISH

POLES	CABLE DIA.
3	0.17
4	0.18
5	0.20

B CABLE LENGTH TOLERANCES

<.3M [1FT]: +19mm-0 [+ .75in-0]

.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]

.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]

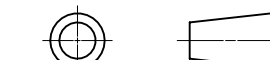
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]

7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]

14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]

OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ITEM 10 WAS TPE & MATERIAL TABLE. ADDED STD. NOTES, PART NUMBER LEGEND.TOL. TABLE, CABLE DIA. REMOVED 4&5 POLE INFO TO CREATE SEPARATE PSD.				molex					
	INCH/MM		6:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)								NANO-CHANGE CORDSET, M8 3-5 POLE, MALE-FEMALE, STRAIGHT, 24 AWG					
		MM	INCH											
	DIVISIONAL SYMBOLS	4 PLACES	±	±		EC NO: 701162 DRWN: AKABADI CHK'D: RSTONE APPR: BWOODMAN				2021/09/23 2022/03/30 2022/04/08				
		3 PLACES	±	±										
		2 PLACES	±	±		PRODUCT CUSTOMER DRAWING								
		1 PLACE	±	±										
		0 PLACES	±	±		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
ANGULAR TOL ± °				INITIAL REVISION: DRWN: NKUMAR01 APPR: JFMURPHY				16/07/09 16/07/09		SD-120087-092		PSD	001	B
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						D-D-SIZE	120087			GENERAL MARKET		1 OF 1		