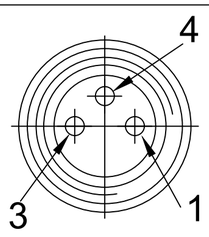
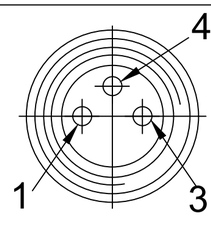
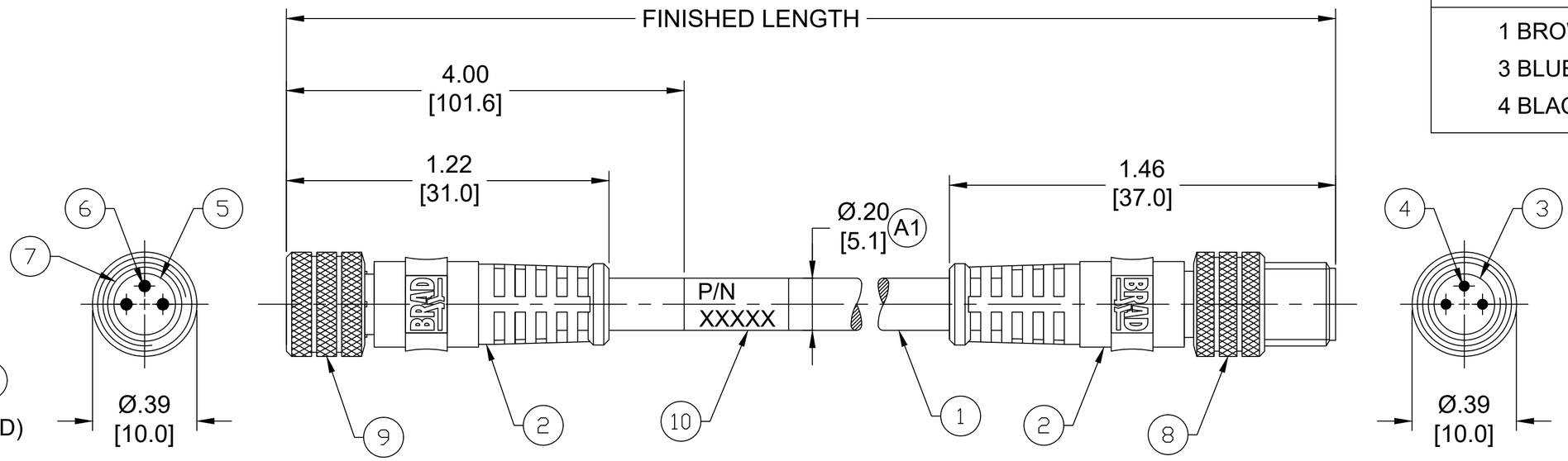
FEMALE 3 POLE

1 BROWN 3 BLUE 4 BLACK

MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH (A1)
1200870235	443030K05M010	1M [3 FT 3 IN]
1200870236	443030K05M020	2M [6 FT 7 IN]
1200871000	443030K05M050	5M [16FT 5 IN]

MALE 3 POLE

1 BROWN 3 BLUE 4 BLACK



NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE : 60VAC/75VDC
   CURRENT: 4A
4. TEMP RATING: -20° TO +105°C (A1)
5. PROTECTION: IP68 (WHEN MATED)
6. COUPLING THREAD: M8X1
7. UL LISTED FILE: E152210
8. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

MECHANICAL CHARACTERISTICS: (A1)

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

ITEM	COMPONENT	MATERIAL	FINISH
10	WRAP LABEL	VINYL	BLACK/YELLOW (A1)
9	FEMALE COUPLING NUT	BRASS	NICKEL PLATED
8	MALE COUPLING NUT	BRASS	NICKEL PLATED
7	O-RING	VITON	RED
6	CONTACT SOCKET	COPPER ALLOY	GOLD/NICKEL PLATED
5	FEMALE INSERT	PUR	BLACK
4	CONTACT PIN	COPPER ALLOY	GOLD/NICKEL PLATED
3	MALE INSERT	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	CABLE, #22-3, ITC/PLTC	TPE	YELLOW

PART NUMBER LEGEND

443030K05M006

LENGTH
M001 = .6 METER
M010 = 1 METER
M100 = 10 METER

(A1) 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

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

FUNCTIONAL SYMBOLS
FA=0
FC=0
FD=0
DIVISIONAL SYMBOLS

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: ITEM-10 WAS MYLAR. ADDED CABLE DIA & MECHANICAL CHARACTERISTICS CHART. MODIFIED TEMP RATING & PN CHART. REMOVED CSA

EC NO: 702709
DRWN: ABENJAMINLW 2021/10/22
CHK'D: RSTONE 2022/04/11
APPR: BWOODMAN 2022/04/16

INITIAL REVISION:
DRWN: GGUSTAFS 2013/10/10
APPR: BWOODMAN 2013/11/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 120086

molex

NANO-CHANGE CORDSET, M8
3 POLE, FEMALE-MALE, STRAIGHT,
SINGLE KEY, #22 AWG TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-120086-053	PSD	001	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/16 16:04:47

FORMAT: IN-ACAD-tb-prod-C
REVISION: B
DATE: 2020/01/14

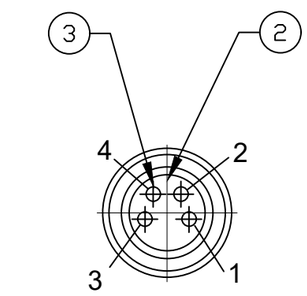
MATERIAL NUMBER	ENG. PART NO.	FINISHED LENGTH
1200868547	444030K05M006	2 FT 0 IN [0.6M]
1200870999	444030K05M010	3 FT 3 IN [1.0M]
1200868548	444030K05M020	6 FT 7 IN [2.0M]
1200870992	444030K05M050	16 FT 5 IN [5.0M]

PART NO. LEGEND

444030K05M010

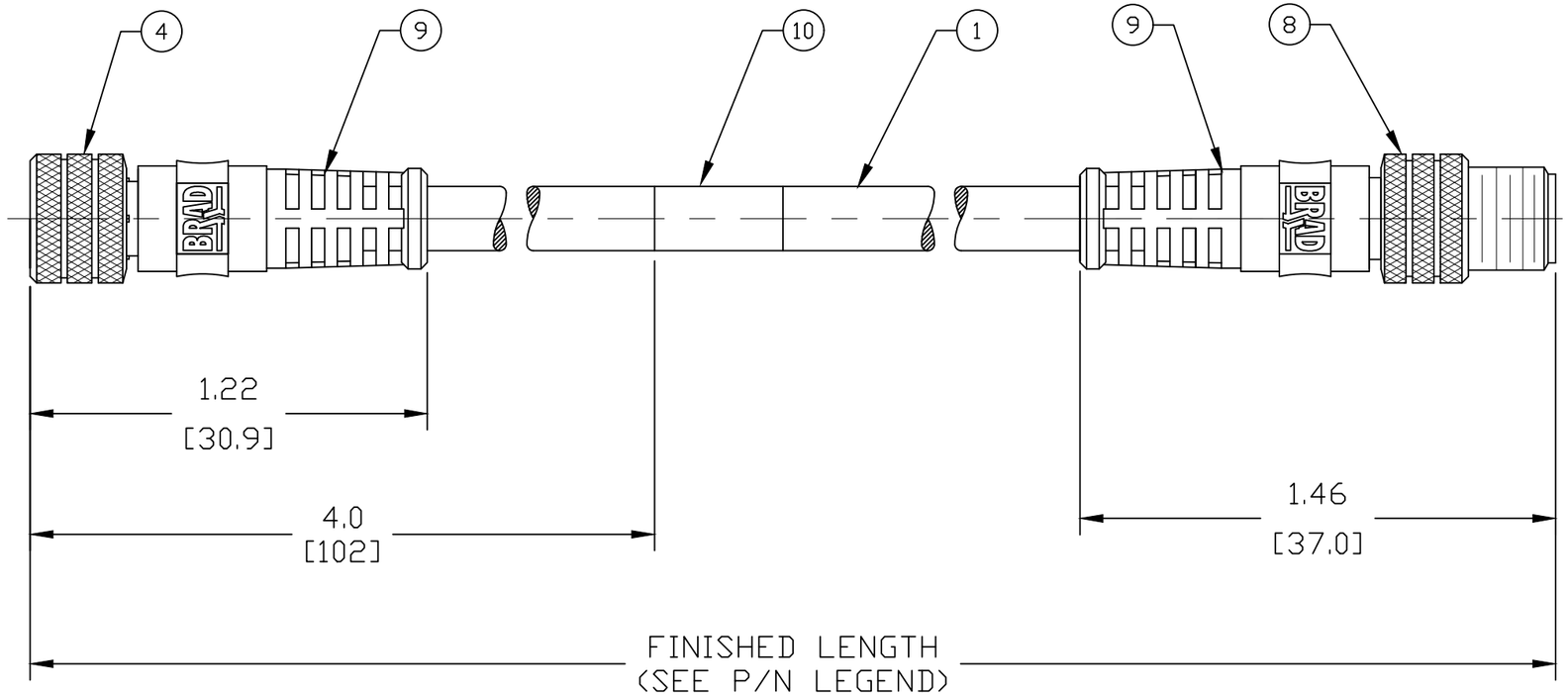
cable length
M005= 0.5 Meters
M010= 1 Meter
M100= 10 Meters

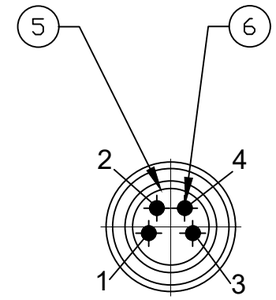
CABLE LENGTH TOLERANCES
>.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH



1 BROWN
2 WHITE
3 BLUE
4 BLACK

FEMALE FACE VIEW





1 BROWN
2 WHITE
3 BLUE
4 BLACK

MALE FACE VIEW

ITEM	DESCRIPTION	MATERIAL	FINISH
9	WRAP LABEL	VINYL	BLACK/YELLOW
8	OVERMOLD	TPC	YELLOW
7	COUPLING NUT, MALE	BRASS	NICKEL PLATED
6	CONTACT PIN	COPPER ALLOY	GOLD PLATED
5	INSERT, MALE, 4P	PUR	BLACK
4	COUPLING NUT, FEM	BRASS	NICKEL PLATED
3	CONTACT SOCKET	COPPER ALLOY	GOLD PLATED
2	INSERT, FEMALE, 4P	PUR	BLACK
1	CABLE, 22AWG	TPE JACKET	YELLOW

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 60VAC/75VDC
   CURRENT: 4A
4. TEMP RATING: -25°C TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M8 X 1
7. UL LISTED FILE: E152210
8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

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

DIMENSION UNITS	SCALE
INCH/MM	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±0.005
2 PLACES	±0.25	±0.01
1 PLACE	±0.13	±0.02
0 PLACES	±---	±---
ANGULAR TOL ± 0.5 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBER AS PER PCN #517032

EC NO: 832804
DRWN: PRANAA 2025/08/22
CHK'D: GGA 2025/09/10
APPR: GGA 2025/09/10
INITIAL REVISION:
DRWN: GGUSTAFS 2013/10/11
APPR: BWOODMAN 2013/11/12

THIRD ANGLE PROJECTION | DRAWING: B-SIZE | SERIES: 120086

molex

NANO CHANGE
4 POLE FEMALE/MALE ST/ST #22 TPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-120086-055	PSD	001	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N LEGEND	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2025/09/10 12:55:42

FORMAT: IN-ACAD-tb-prod-B
REVISION: B
DATE: 2020/01/14