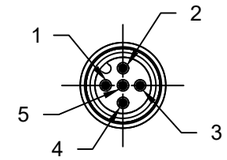
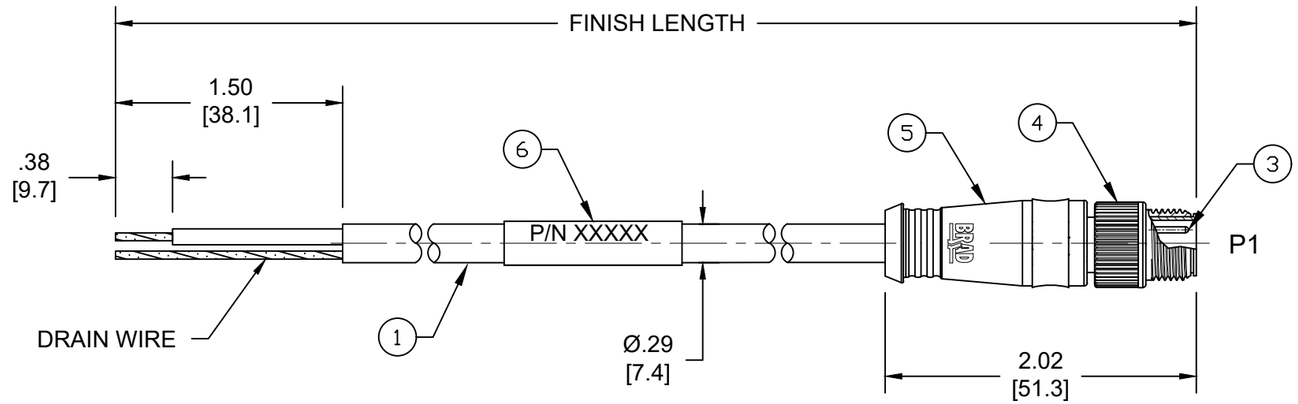
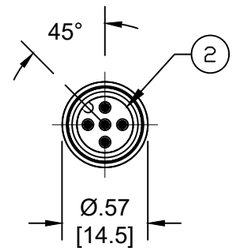
MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
1300270012	DND02A-M010	1M [3FT 3 IN]
1300270022	DND02A-M100	10M [32FT 10 IN]

MALE INSERT- FACE VIEW







MALE INSERT- FACE VIEW

NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 60V
   CURRENT: 4A
4. TEMP RATING: -20°C TO +80°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12 X 1.0
7. UL LISTED FILE: E152210
   CSA CERTIFIED: LR6837
8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

PART NUMBER LEGEND

DND02A-M010

FINISHED LENGTH:
M005= 0.5 METER
M010= 1.0 METER
M100= 10.0 METER

P1

DRAIN → 1
RED → 2 - V+
BLACK → 3 - V-
WHITE → 4 - CAN_H
BLUE → 5 - CAN_L

WIRE DIAGRAM

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

ITEM	DESCRIPTION	MATERIAL	FINISH
6	WRAP LABEL	VINYL	YELLOW
5	OVERMOLD	TPC	GRAY
4	M12 COUPLING NUT	ZINC DIE-CAST	BLACK E-COAT
3	CONTACT PIN	COPPER ALLOY	GOLD PLATED
2	INSERT, 5P MALE	NYLON	BLACK
1	DEVICENET DROP CABLE, 22 AWG	PVC JACKET	GRAY

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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#516986

EC NO: 831193
DRWN: SANATK1 2025/08/07
CHK'D: GGA 2025/08/19
APPR: GGA 2025/08/19

INITIAL REVISION:
DRWN: VOU 2009/07/30
APPR: JFMURPHY 2009/08/10

molex

MICRO-CHANGE DEVICE-NET CABLE ASSY
5-POLE, MALE, M12, STRAIGHT, 22AWG PVC

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130027-001	PSD	001	C1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	B-SIZE	130027	SEE CHART	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2025/08/19 10:06:43

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