



NOTES:

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

LENGTH

M001 = .1 METERS

M010 = 1.0 METERS

M100 = 10 METERS

PART NUMBER LEGEND

FINISHED LENGTH

MOLEX PN	ENGINEERING NO	LENGTH M [FT]
1300280003	DND32A-M006	0.6 [1.97]
1300280080	DND32A-M002	0.2 [.66]
1300280081	DND32A-M003	0.3 [.98]
1300280082	DND32A-M004	0.4 [1.31]
1300280083	DND32A-M005	0.5 [1.64]
1300280084	DND32A-M007	0.7 [2.30]
1300280085	DND32A-M010	1.0 [3.28]
1300280086	DND32A-M015	1.5 [4.92]
1300280088	DND32A-M025	2.5 [8.20]
1300280089	DND32A-M030	3.0 [9.84]
1300280091	DND32A-M050	5.0 [16.4]

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: CHANGE VOLTAGE RATING, FROM 250V TO 60V. ITEM-5 & 8 MATERIAL UPDATED.						molex											
MM/INCH		1.5:1																					
FA = 0 FE = 0 FP = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)										EC NO: 791028 DRWN: ABENJAMINLW2024/06/02 CHK'D: LESPINOZA2024/07/08 APPR: BWOODMAN2024/09/19						MICRO-CHANGE EXT CORD DEV-NET DROP MALE90/FEMALE STR, 22AWG					
			MM	INCH																			
		4 PLACES		±	±																		
		3 PLACES		±	±																		
		2 PLACES		±	±																		
DIVISIONAL SYMBOLS		1 PLACE		±	±	INITIAL REVISION:						PRODUCT CUSTOMER DRAWING											
		0 PLACES		±	±																		
		ANGULAR TOL		±	°	DRWN: MKOWALCZYK012018/10/09 APPR: MIWASIECZKO2018/10/12										DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING						SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
										C-SIZE						130028		SEE P/N CHART		GENERAL MARKET		1 OF 1	

molex

MICRO-CHANGE EXT CORD DEV-NET DROP
MALE90/FEMALE STR, 22AWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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1300280080	PSD	000	C
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MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
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SEE P/N CHART	GENERAL MARKET	1 OF 1
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[illegible]

12

11

10

9

8

7

6

5

4

3

2

1

MALE FACE VIEW

MATERIAL NUMBER

ENGINEERING NUMBER

FINISHED LENGTH

1300280083

DND32A-M005

0.5M [1FT 8 IN]

1300280089

DND32A-M030

3M [9FT 10 IN]

1300280091

DND32A-M050

5M [16FT 5 IN]

NOTES:

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3. ELECTRICAL:

VOLTAGE : 60V AC/DC

CURRENT: 4A

4. TEMP RATING: -20° TO +80°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1

7. UL LISTED FILE: E152210

CSA CERTIFIED FILE: LR6837

C

8. ALL DIMENSIONS ARE FOR REFERENCE

UNLESS TOLERACED OR NOTED OTHERWISE

MALE FACE VIEW

2.02

[51.3]

FINISHED LENGTH

4.00

[101.6]

1.23

[31.2]

1.28

[32.5]

Ø.57

[14.5]

Ø.29

[7.4]

P1

P/N

XXXXXX

S2

45°

Ø.57

[14.5]

MALE FACE VIEW

FEMALE FACE VIEW

PART NUMBER LEGEND

DND32A-M005

FINISHED LENGTH:

M005= 0.5 METER

M010= 1 METER

M100= 10 METER

P1

S2

1

← DRAIN →

1

V+ 2

← RED →

2 - V+

V- 3

← BLACK →

3 - V-

CAN_H 4

← WHITE →

4 - CAN_H

CAN_L 5

← BLUE →

5 - CAN_L

SCHEMATIC

FUNCTIONAL SYMBOLS

FA=0

FC=0

FP=0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

INCH/MM

SCALE

NTS

CURRENT REV DESC: CHANGED VOLTAGE RATING FROM 250V TO 60V. ITEM-8 WAS PVC. ADDED ITEM-9, UL, CSA, CABLE DIA & CABLE LEGTH TOL CHART. MODIFIED PN CHART

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

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

130028

2009/08/04

2009/08/10

EC NO: 796482

DRWN: ABENJAMINLW

CHK'D: LESPINOZA

APPR: BWOODMAN

INITIAL REVISION:

DRWN: VOU

APPR: JFMURPHY

2024/07/10

2024/08/27

2024/09/19

DOCUMENT NUMBER

DOC TYPE|DOC PART|REVISION

SD-130028-002

PSD 001

C

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE CHART

GENERAL MARKET

1 OF 1

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

DOCUMENT STATUS

P1

RELEASE DATE

2024/09/19 14:13:03

12

11

10

9

8

7

6

5

4

3

2

1