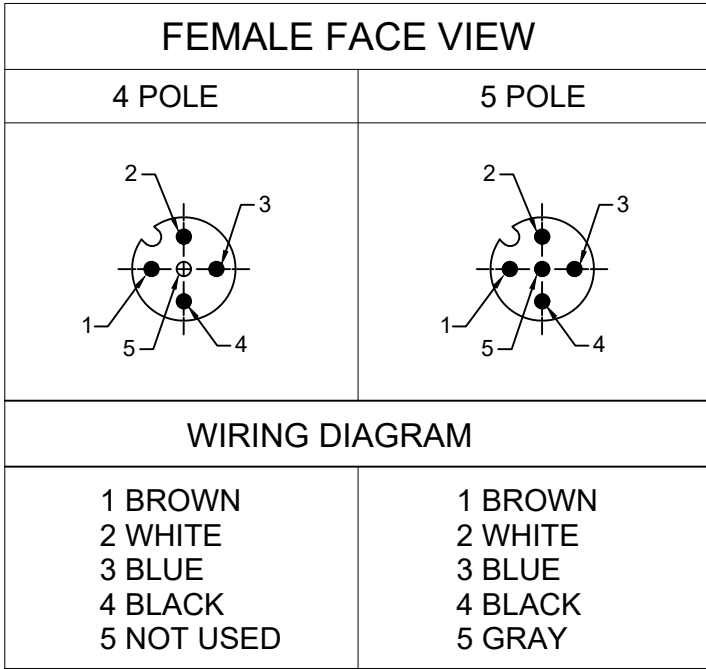




NOTES:

1. MATERIAL: AS NOTED

2. FINISH: AS NOTED

3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A

4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1

7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837

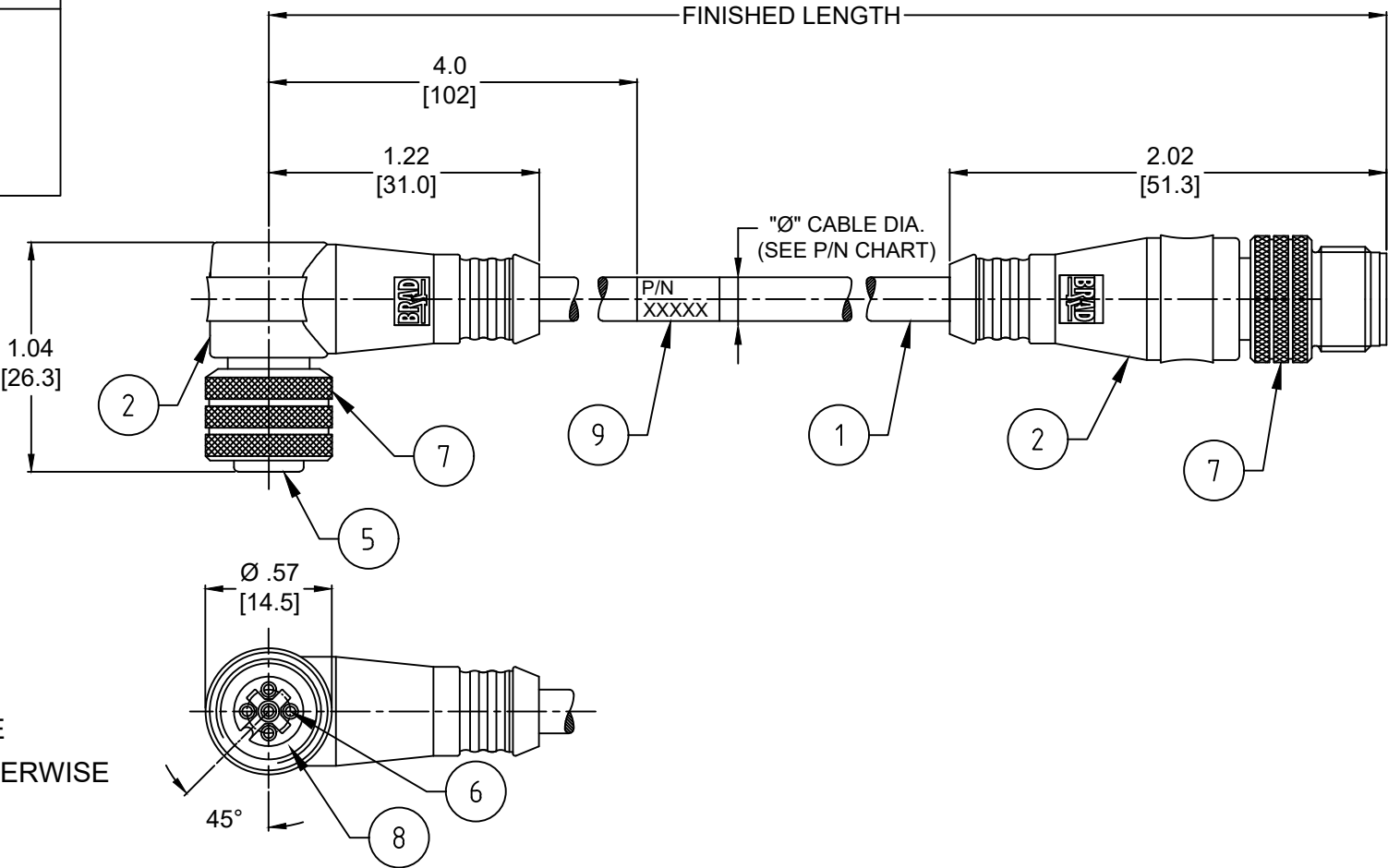
8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

CABLE FLEX CHARACTERISTICS	
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

9	WRAP LABEL	VINYL	BLACK/YELLOW
8	O-RING	VITON	RED
7	COUPLER	BRASS	TEFLON/NICKEL
6	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
5	INSERT (FEMALE)	PUR	BLACK
4	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT (MALE)	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	CABLE #18/4-5 AWG	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS	P1	RELEASE DATE	2025/08/06	10:03:25
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PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200660969	884031K03M003	0.3M [1FT]	4	.26/6.6
1202010015	884031K03M200	20M [65FT 7 IN]		
1200661045	885031K03M005	0.5M [1FT 8 IN]	5	.28/7.1

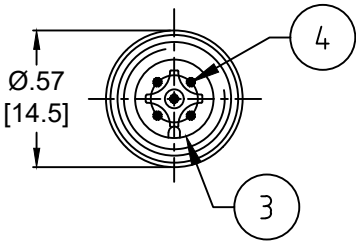
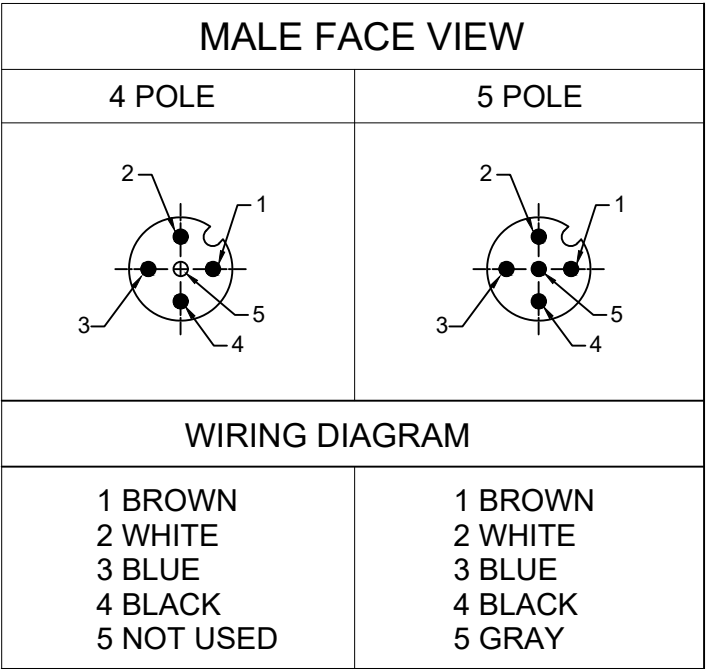


PART NO. MATRIX

884031K03M003

POLES (4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER



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]

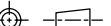
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

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

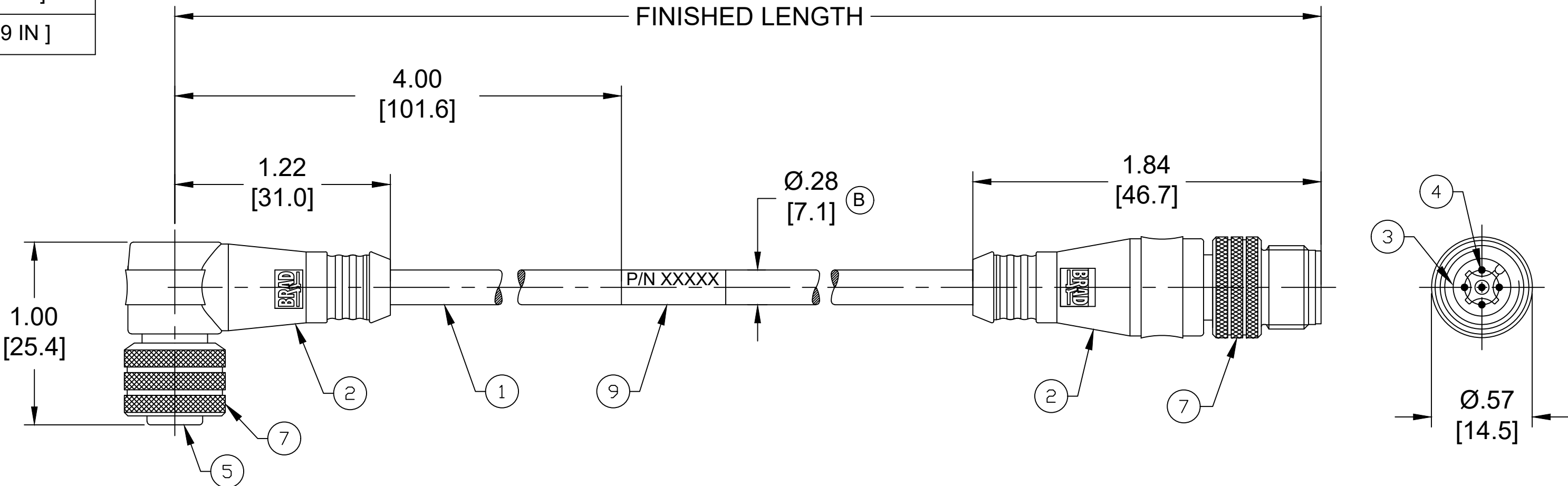
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]

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

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

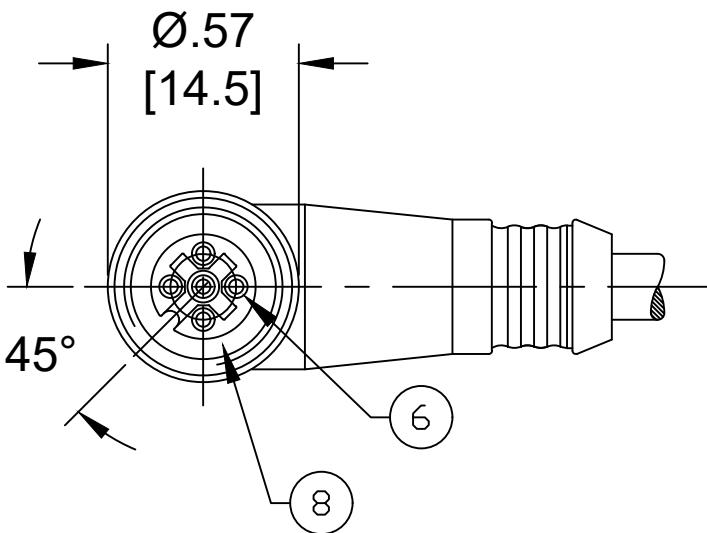
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#516685				molex			
INCH/MM		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 830097 DRWN: SANATK1 2025/07/28 CHK'D: GGA 2025/08/06 APPR: GGA 2025/08/06				MICRO-CHANGE CORDSET, M12 4-5 POLE, FEMALE 90DEG - MALE STRAIGHT, SINGLE KEY, #18 AWG TPE HI-FLEX			
	mm	INCH									
4 PLACES	±----	±----									
3 PLACES	±----	±----									
2 PLACES	±----	±----		INITIAL REVISION: DRWN: LSTEMMLE 2010/02/01 APPR: FPACHER 2010/02/03				PRODUCT CUSTOMER DRAWING			
1 PLACE	±----	±----									
0 PLACES	±----	±----									
ANGULAR TOL ± ---- °				DOCUMENT NUMBER				DOC TYPE		DOC PART	REVISION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SD-120066-021				PSD		001	C1
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
				A3-SIZE		120066		SEE CHART		GENERAL MARKET	
										SHEET NUMBER	
										1 OF 1	

12	11	10	9	8	7	6	5	4	3	2	1
PART NO	ENGINEERING NO.	FINISHED LENGTH	(B)								
1200661047	885031K03M020	2M [6FT 7 IN]									
1200661048	885031K03M030	3M [9FT 10 IN]									
1200668732	885031K03M100	10M [32FT 9 IN]									

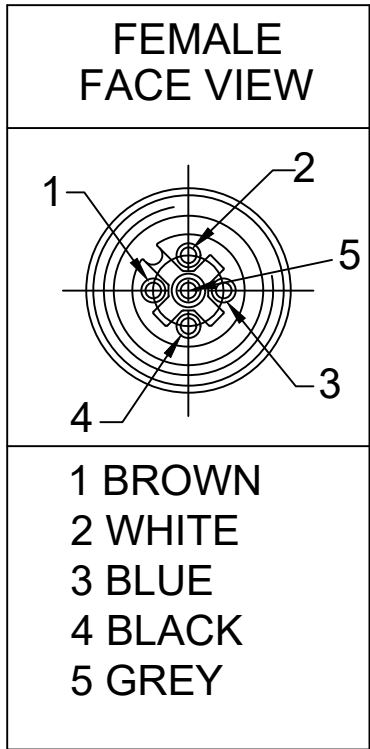


NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
4. TEMP RATING: -20°TO +105°C (B)
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837 (B)
8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



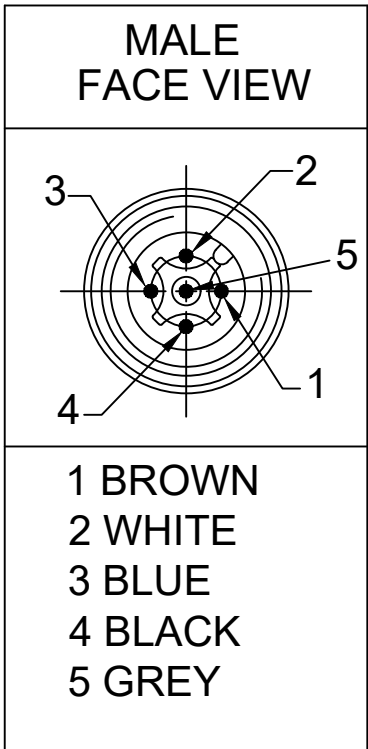
WIRING DIAGRAM



PART NO. MATRIX
885031K03M006

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

WIRING DIAGRAM



MECHANICAL CHARACTERISTICS: (B)

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

9	LABEL	VINYL	BLACK/YELLOW	(B)
8	GASKET	VITON	RED	(B)
7	COUPLER	BRASS	NICKEL/TEFLON	(B)
6	CONTACT SOCKET	COPPER ALLOY	Au OVER Ni	(B)
5	INSERT (FEMALE)	TPU	BLACK	(B)
4	CONTACT PIN	COPPER ALLOY	Au OVER Ni	(B)
3	INSERT (MALE)	PUR	BLACK	(B)
2	OVERMOLD	TPC	YELLOW	(B)
1	CABLE #18/5 AWG	TPE	YELLOW	(B)
ITEM	DESCRIPTION	MATERIAL	FINISH	

(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 F A =0 F E =0 F P =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		SCALE		CURRENT REV DESC: UPDATED ITEM# 2, 5 & TEMP RATING. ADD GASKET, MECHANICAL CHART, UL, CSA, CABLE DIA & TOL CHART. MODIFIED PN CHART			molex				
	INCH/MM		NTS									
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 666551 DRWN: ABENJAMINLW 2021/03/01 CHK'D: RSTONE 2021/06/10 APPR: BWOODMAN 2021/06/23			MICRO-CHANGE CORDSET, M12, 5 POLE, FEMALE 90/MA STR, SINGLE KEY, #18 AWG HI-FLEX				
	4 PLACES ± ----		mm INCH ± ----		INITIAL REVISION: DRWN: GGUSTAFS 2013/10/30 APPR: BWOODMAN 2013/12/12			PRODUCT CUSTOMER DRAWING				
	3 PLACES ± ----		± ----									
	2 PLACES ± ----		± ----		DOCUMENT NUMBER SD-120066-055			DOC TYPE DOC PART REVISION PSD 001 B				
	1 PLACE ± ----		± ----									
	0 PLACES ± ----		± ----		MATERIAL NUMBER SEE CHART			CUSTOMER GENERAL MARKET			SHEET NUMBER 1 OF 1	
ANGULAR TOL ± ---- °												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 120066				