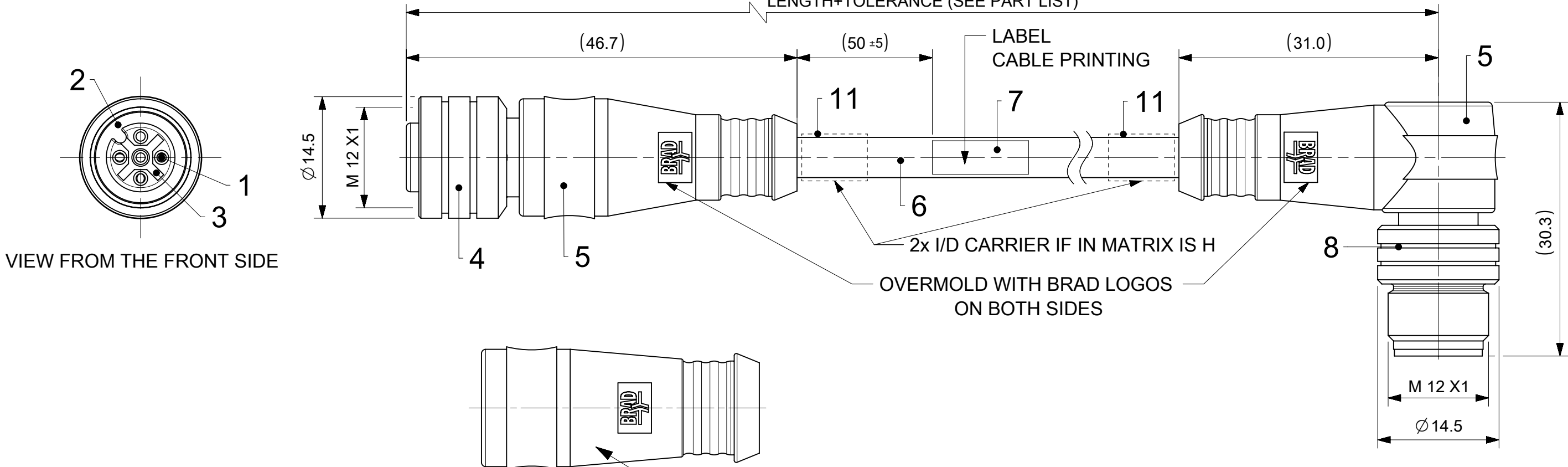


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 90° ANGLED

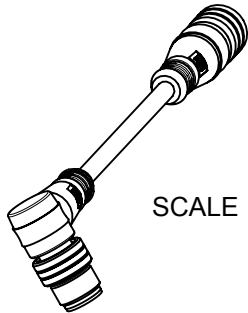


TECHNICAL SPECIFICATION:
CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V DC
8 POLES 30V
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

BILL OF MATERIAL

11	2 (SEE MATRIX)	ID CARRIER	PVC	TRANSPARENT
10	1	INSERT MALE	PUR	BLACK
9	3/4/5/8	CONTACT M12 MALE	BRASS	SELECTIVE GOLD OVER NICKEL
8	1	COUPLING NUT MALE	BRASS	NICKEL
7	1	LABEL	VINYL	YELLOW
6	-	CABLE	SEE MATRIX/ CABLE SPECIFICATION	---
5	-	OVERMOULD	TPU	SEE MATRIX
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE	PUR	BLACK
2	1	O-RING	FPM	RED
1	3/4/5/8	CONTACT M12 FEMALE	BRASS	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

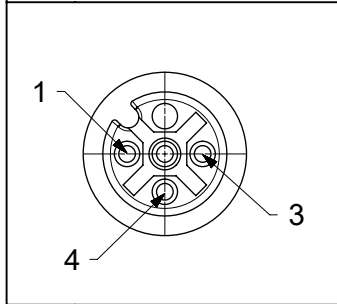
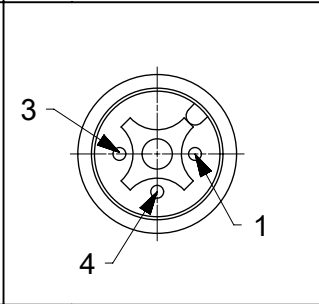
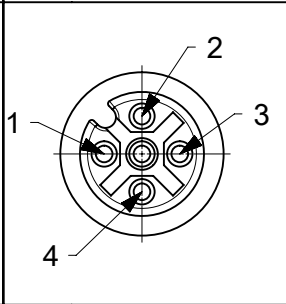
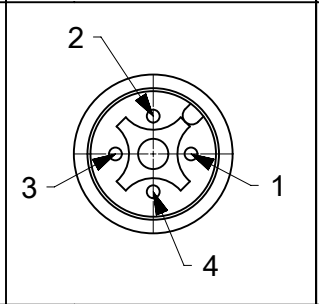
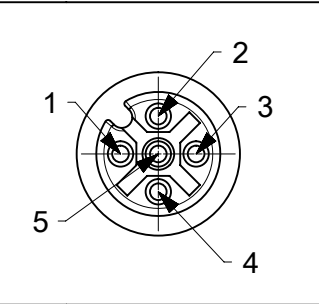
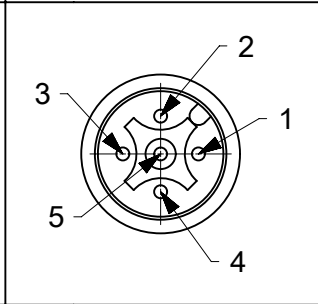
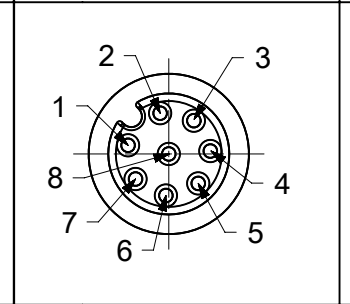
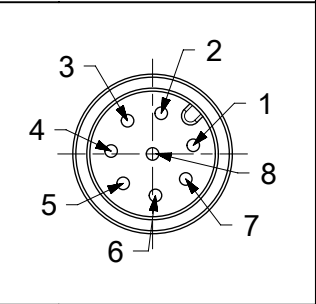
DOCUMENT STATUS	P1	RELEASE DATE	2023/12/25	13:30:36
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SCALE 1:2

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#514494			molex											
mm		2:1																
GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE STR MA RA XM											
ANGULAR TOL ± 1.0 °																		
4 PLACES ±																		
3 PLACES ±				PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER 1200070026			DOC TYPE PSD	DOC PART 000	REVISION A8						
2 PLACES ± 0.05																		
1 PLACE ± 0.3																		
0 PLACES ± 0.5				INITIAL REVISION: DRWN: DSOPPIN APPR: RSILLER									DOCUMENT NUMBER 1200070026			DOC TYPE PSD	DOC PART 000	REVISION A8
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																		
				THIRD ANGLE PROJECTION			DRAWING A3-SIZE	SERIES 120007	MATERIAL NUMBER SEE PART LIST		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 4					

CONTACT POSITION FRONT VIEW:

3 POLES FEMALE		3 POLES MALE		4 POLES FEMALE		4 POLES MALE		5 POLES FEMALE		5 POLES MALE		8 POLES FEMALE		8 POLES MALE	
															
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE	1	WHITE
2	-	2	-	2	WHITE	2	WHITE	2	WHITE	2	WHITE	2	BROWN	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN	3	GREEN
4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	YELLOW	4	YELLOW
5	-	5	-	5	-	5	-	5	GREY OR GREEN/YELLOW	5	GREY OR GREEN/YELLOW	5	GREY	5	GREY
CODING REQUIRED TO IEC 61076-2-101				CODING REQUIRED TO IEC 61076-2-101				CODING REQUIRED TO IEC 61076-2-101				6	PINK	6	PINK
												7	BLUE	7	BLUE
												8	RED	8	RED
												CODING REQUIRED TO IEC 61076-2-101			

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

DIMENSION UNITS	SCALE
mm	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.05
1 PLACE	± 0.3
0 PLACES	± 0.5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514494

EC NO: 770993
DRWN: MADHAM5
CHK'D: GGA
APPR: GGA

INITIAL REVISION:
DRWN: DSOPPIN
APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120007

MATERIAL NUMBER
SEE PART LIST

CUSTOMER
GENERAL MARKET

SHEET NUMBER
3 OF 4

moLEX

CSE M12 XP AC FE STR MA RA XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1200070026

DOC TYPE
PSD

DOC PART
000

REVISION
A8

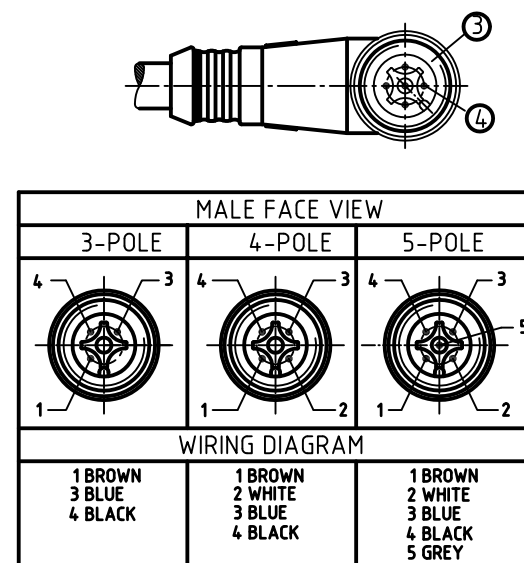
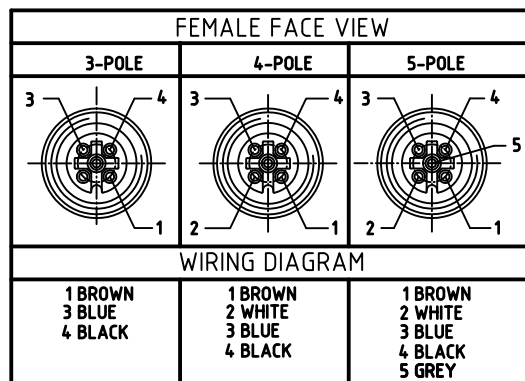
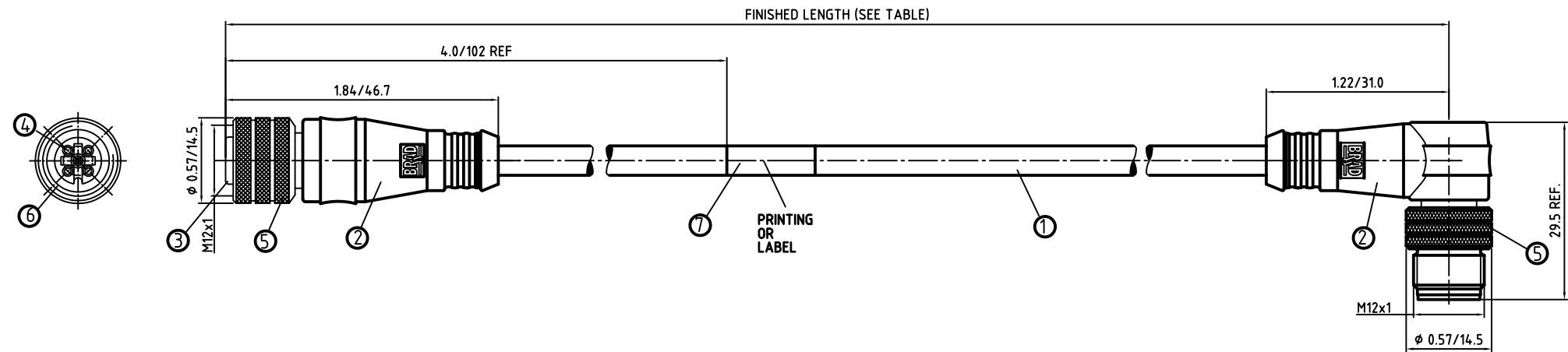
PART LIST

NO.	MOLEX PN	ENGINEERING PN	LENGTH (mm)
1	1200070158	883032E03M003	300
2	1200070159	883032E03M006	600
3	1200070160	883032E03M010	1000
4	1200070161	883032E03M020	2000
5	1200668205	883032E03M050	5000
6	1200072378	883032E03M060	6000
7	1200668053	883032E03M100	10000
8	1200668268	883032E03M200	20000
9	1200072879	883032H09M010	1000
10	1200070166	883032I03M006	600
11	1200668007	883032I03M010	1000
12	1200070171	883032P03M006	600
13	1200070172	883032P03M010	1000
14	1200070173	883032P03M020	2000
15	1200070174	883032P03M030	3000
16	1200072294	883032P03M0305	3000
17	1200668341	883032P03M050	5000
18	1200668763	883032P03M0501	5000
19	1200072705	883032P03M060	6000
20	1200070184	883032S20M010	1000
21	1200070185	883032S20M020	2000
22	1200668663	884032E02M050	5000
23	1200668072	884032E03M006	600
24	1200668073	884032E03M010	1000
25	1200668755	884032E03M012	1200
26	1200668756	884032E03M014	1400
27	1200665032	884032E03M020	2000
28	1200071014	884032E03M030	3000
29	1200072163	884032E03M0501	5000
30	1200668075	884032E03M100	10000
31	1200668200	884032E03M1001	10000
32	1200668307	884032E03M1005	10000
33	1200668309	884032E03M1205	12000
34	1200668173	884032E03M1501	15000
35	1200668223	884032E03M200	20000
36	1200668308	884032E03M2005	20000
37	1200071277	884032E52M010A	1000
38	1200070841	884032E52M020A	2000
39	1200668494	884032H09M010	1000
40	1200668290	884032H09M020	2000
41	1200072424	884032I03M003	300
42	1200668522	884032I03M020	2000
43	1200661012	884032K03M006	600
44	1200661013	884032K03M010	1000
45	1200661014	884032K03M020	2000
46	1200661015	884032K03M030	3000
47	1200661598	884032K03M036	3600
48	1200661017	884032K03M050	5000

NO.	MOLEX PN	ENGINEERING PN	LENGTH (mm)
49	1200661018	884032K03M060	6000
50	1200661021	884032K03M090	9000
51	1200661022	884032K03M100	10000
52	1200661023	884032K03M120	12000
53	1200661480	884032K03M200	20000
54	1200660398	884032K05M005	500
55	1200660400	884032K05M010	1000
56	1200660401	884032K05M015	1500
57	1200660402	884032K05M020	2000
58	1200660403	884032K05M030	3000
59	1200073045	884032K05M035	3500
60	1200660404	884032K05M040	4000
61	1200660405	884032K05M050	5000
62	1200660406	884032K05M060	6000
63	1200073042	884032K05M070	7000
64	1200661540	884032K05M080	8000
65	1200668345	884032P03M002G	200
66	1200072838	884032P03M003	300
67	1200071519	884032P03M006	600
68	1200071407	884032P03M010	1000
69	1200070547	884032P03M0105	1000
70	1200669261	884032P03M015	1500
71	1200070026	884032P03M020	2000
72	1200071520	884032P03M030	3000
73	1200070914	884032P03M050	5000
74	1200072213	884032P03M1005	10000
75	1200668177	884032S20M020	2000
76	1200668161	884032S20M030	3000
77	1200070907	884032S20M050	5000
78	1200668974	885032E03M003	300
79	1200668979	885032E03M006	600
80	1200071271	885032E03M010	1000
81	1200668092	885032E03M020	2000
82	1200668975	885032E03M025	2500
83	1200668976	885032E03M030	3000
84	1200668977	885032E03M050	5000
85	1200668978	885032E03M100	10000
86	1200668493	885032H09M010	1000
87	1200668603	885032P03M020G	2000
88	1200661925	885032P03M080	8000
89	1200661926	885032P03M100	10000
90	1200669119	885032P03M190	19000
91	1200669767	888032E02M0201	2000
92	1200669768	888032E02M0301	3000
93	1200669769	888032E02M0501	5000
94	1200669770	888032E02M1001	10000
95	1200669892	884032E03M009	900
96	1200669893	884032E03M013	1300
97	1200669894	884032E03M016	1600
98	1200669895	884032E03M021	2100
99	1200669896	884032E03M032	3200

NO.	MOLEX PN	ENGINEERING PN	LENGTH (mm)
100	1200669897	884032E03M040	4000
101	1200669890	884032P03M060	6000
102	1200669891	884032P03M100	10000
103			
104			
105			
106			
107			
108			
109			
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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#514494			molex			
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)			CSE M12 XP AC FE STR MA RA XM							
ANGULAR TOL ± 1.0 °										
4 PLACES ±		EC NO: 770993								
3 PLACES ±		DRWN: MADHAM5 2023/11/09								
2 PLACES ± 0.05		CHK'D: GGA 2023/12/25								
1 PLACE ± 0.3		APPR: GGA 2023/12/25		PRODUCT CUSTOMER DRAWING						
0 PLACES ± 0.5		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: DSOPPIN 2018/09/27		1200070026		PSD		000	A8	
APPR: RSILLER 2018/10/22		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
		A3-SIZE		120007	SEE PART LIST		GENERAL MARKET		4 OF 4	



CONNECTOR SPECIFICATION:

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-30°C TO 80°C
UL CERTIFICATIONS	UL STYLE 2464
CSA CERTIFICATIONS	I/II A/B 80°/300V

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	SOCKET/PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	NYLON	BLACK
2	OVERMOLD	POLYURETHANE (PUR)	YELLOW
1	CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	JACKET: PVC	JACKET: BLACK

DESCRIPTION EC NO: WEU2010-0288 DRWN: LSTEMMLE 2010/01/25 CHKD: NS APPR: NSTAUDIG 2010/01/29	QUALITY SYMBOLS ▽ = 0 C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY LSTEMMLE	DATE 2010/01/25	MICRO-CHANGE CORDSET 3/4/5 P. FE STR/ MA 90 22/3-5 PVC BLACK CABLE			
		4 PLACES	±---	±---	CHECKED BY	DATE 2010/01/26				
		3 PLACES	±---	±---	RE	DATE 2010/01/26	MOLEX INCORPORATED			
		2 PLACES	±---	±.01	APPROVED BY	DATE 2010/01/29				
		1 PLACE	±0.3	±---	NSTAUDIG	DATE 2010/01/29	SD-120066-016			
	ANGULAR ± --- °			MATERIAL NO.		DOCUMENT NO.				
1	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE SHEET 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					SIZE A3					

F

E

D

C

B

A

F

E

D

C

B

A

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
3	1200070160	883032E03M010	1.0M +55.6 -0 [3.27' +2.19" -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
4	1200668073	884032E03M010	1.0M +55.6 -0 [3.27' +2.19" -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
5	1200071271	885032E03M010	1.0M +55.6 -0 [3.27' +2.19" -0]

DESCRIPTION EC NO: WEU2010-0288 DRWN: LSTEMMLE 2010/01/25 CHKD: NS APPR: NSTAUDIG 2010/01/29	DESCRIPTION REV	QUALITY SYMBOLS ▽ = 0 C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY LSTEMMLE	DATE 2010/01/25	MICRO-CHANGE CORDSET 3/4/5 P. FE STR/ MA 90 22/3-5 PVC BLACK CABLE					
			4 PLACES	±---	±---	CHECKED BY RE	DATE 2010/01/26						
			3 PLACES	±---	±---	APPROVED BY NSTAUDIG		2010/01/29		MOLEX INCORPORATED DOCUMENT NO. SD-120066-016 SHEET NO. 1 OF 1			
			2 PLACES	±---	±.01								
			1 PLACE	±0.3	±---								
			ANGULAR ± --- °										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE							
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						