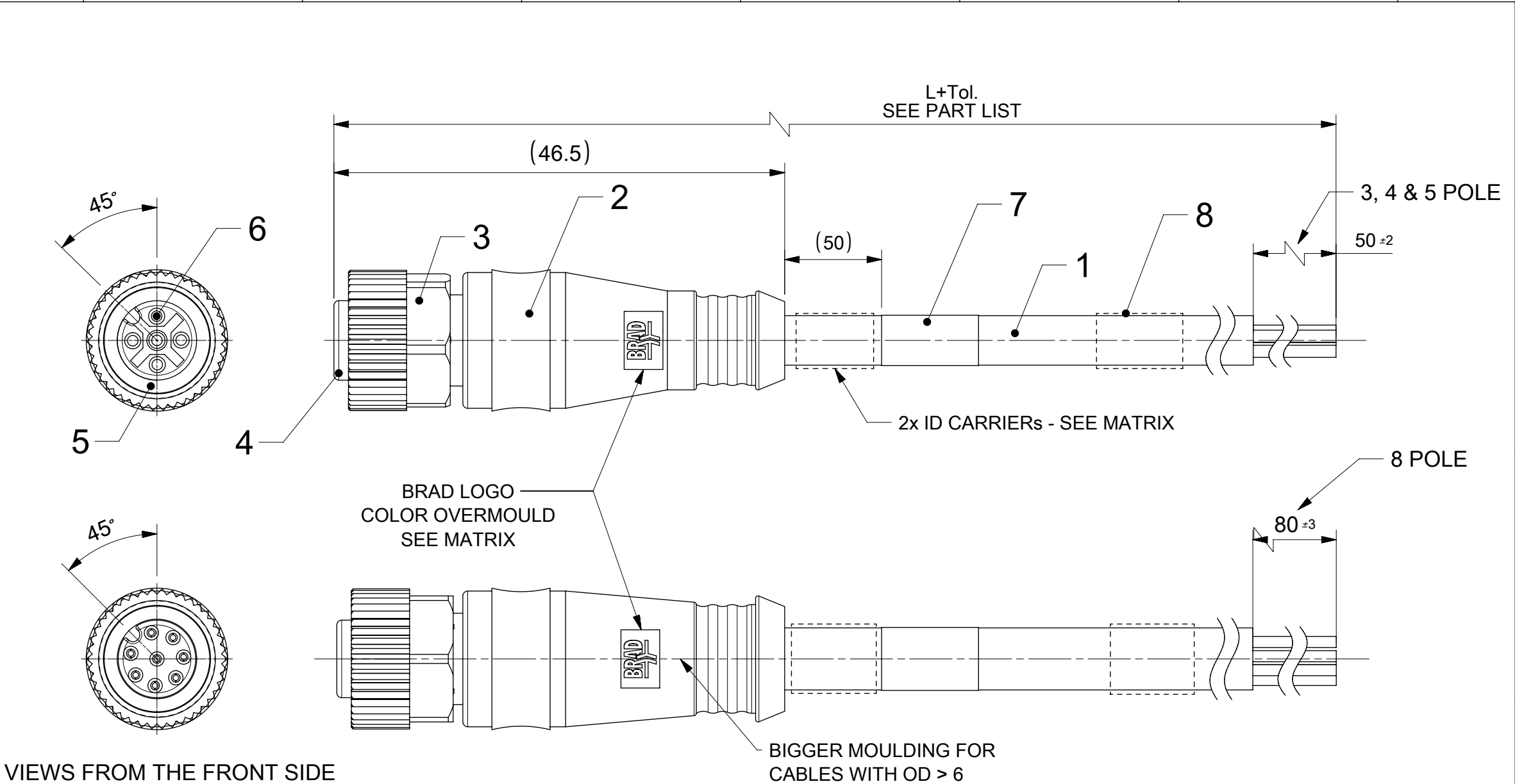
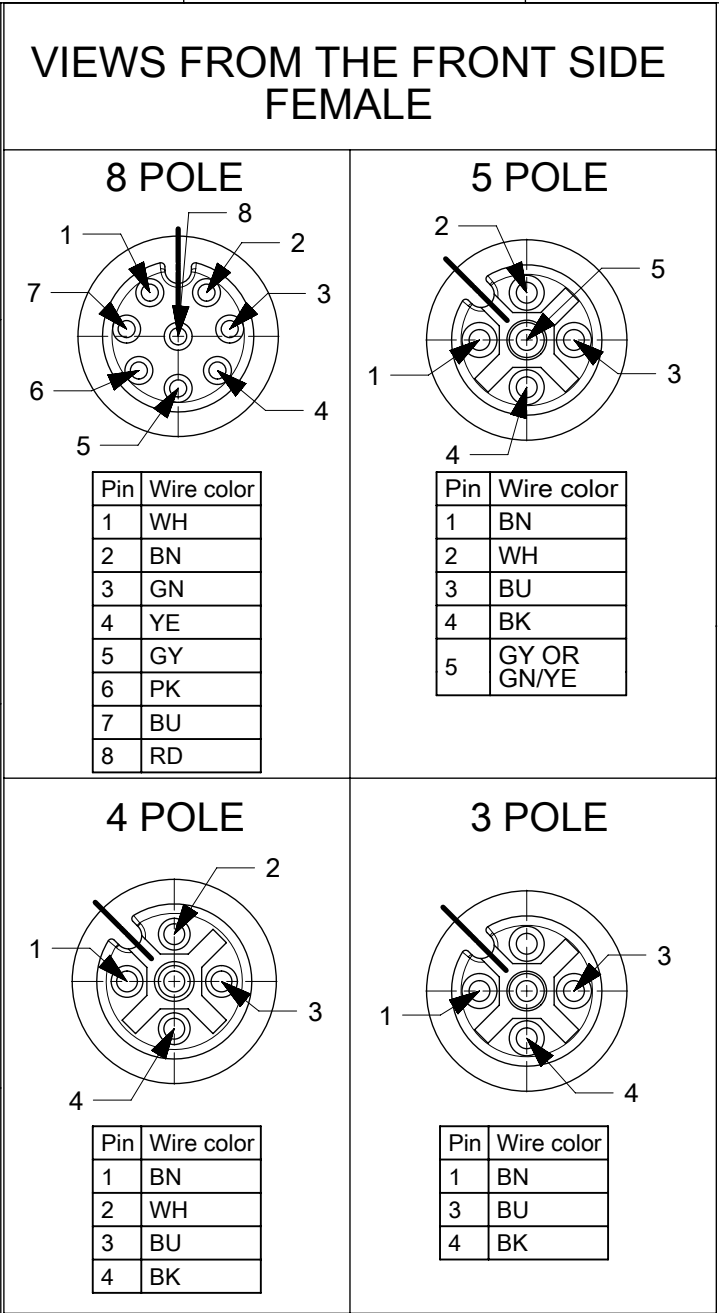




NOTES:

TEMPERATURE RANGE : SEE CABLE LIST

RATED VOLTAGE: 3, 4 contacts : 250V

5 contacts : 60V

8 contacts : 30V

RATED CURRENT: 3, 4, 5 contacts : 4A

8 contacts : 2A

INSULATION RESISTANCE: 10⁸ Ω MIN.

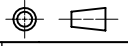
MATING CYCLES: MIN. 100

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION

BILL OF MATERIAL				
8	0/2	I/D CARRIER	-	-
7	1	LABEL	VINYL	YELLOW
6	3/4/5/8	CONTACTS	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET	FPM	RED
4	1	FEMALE INSERT	PUR	BLACK
3	1	COUPLING NUT	BRASS	Ni-PLATED
2	-	OVERMOULD	TPU	BLACK
1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 = 0	CURRENT REV DESC: CABLE LIST INFORMATIONS ADDED
 = 0	
 = 0	
DIVISIONAL SYMBOLS	
 = 0	
 = 0	
 = 0	
 = 0	
 = 0	

EC NO: 788824	2024/06/07
DRWN: RSCHIEBER	2024/06/11
CHK'D: RSILLER	2024/06/11
APPR: RSILLER	2024/06/11
INITIAL REVISION:	
DRWN: SSM	2021/12/16
APPR: RSILLER	2022/02/28

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	120065	SEE PART LIST	GENERAL MARKET	1 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2024/06/11	05:15:45
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10987654321

The diagram shows a 16-character code: 8 0 X 0 0 0 B X X X X X X X X. Brackets below the code link specific groups of characters to their meanings:

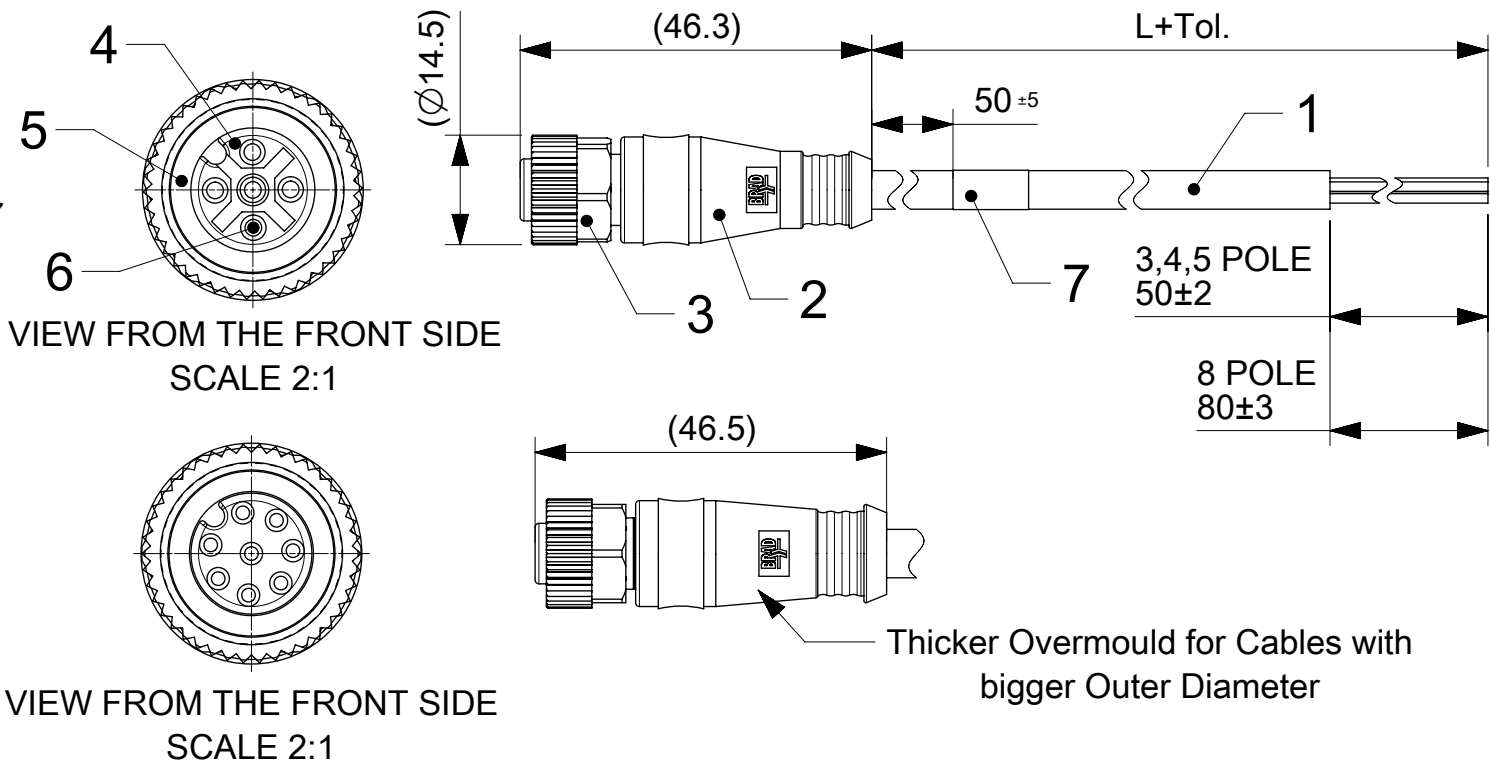
- 8 0**: 80 = M12x1 SINGLE ENDED
- X**: POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES
- 0 0 0**: HEADER:
000 = FEMALE STRAIGHT
- B**: CABLE:
B30 = 0,34mm², TPU BLACK
B33 = 0,34mm², TPU GREY
B36 = 0,34mm², TPU ORANGE
B39 = 0,75mm², TPU BLACK
B41 = 0,25mm², TPU BLACK
B42 = 0,34mm², TPU BLACK
B49 = 0,25mm², TPU ORANGE
B55 = 0,34mm², TPU YELLOW
- X X**: UNIT:
M = METER
C = CENTIMETER
T = 10 x METER
- X X X X**: LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m
- X X X X X**: OVERMOLD COLOR:
BLANK (STANDARD) =
A = GY, G = BK, Y = YE
COUPLING NUT:
BLANK (STANDARD) =
KNURLED/HEX BRASS
5 = KNURLED DERLIN
7 = KNURLED BRASS
TEFLON COATED
H = 2x ID CARRIERS
ALWAYS FOR CABLE

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL 21215	CSA	ISO6722	ISO14572	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	OTHER
B30	3 / 4 / 5	0.34mm²	TPU Black	YES	YES	YES	YES	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	WELD SLAG RESISTANCE
B41	8	0.25mm²	TPU Black								
B42	5	0.34mm²	TPU Black								
B33	4 / 5	0.34mm²	TPU Gray								
B55	4 / 5	0.34mm²	TPU Yellow								
B36	4 / 5	0.34mm²	TPU Orange								
B39	5	0.34mm²	TPU Yellow								

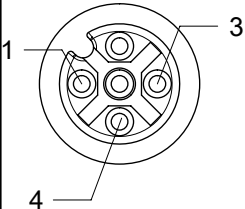
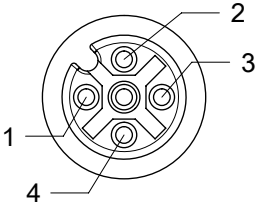
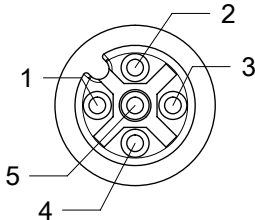
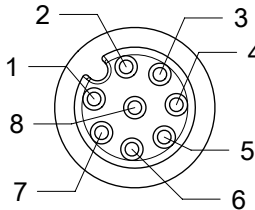
LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% length

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: CABLE LIST INFORMATION ADDITION			molex				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE STR WSOR XM SE UNSH BK				
	ANGULAR TOL ± 1.0°											
	4 PLACES		±		PRODUCT CUSTOMER DRAWING							
	3 PLACES		±									
	2 PLACES		± 0.05									
	1 PLACE		± 0.3		DOCUMENT NUMBER 1200652251			DOC TYPE PSD	DOC PART 000	REVISION B1		
	0 PLACES		± 0.5									
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
							A3-SIZE	120065	SEE PART LIST		GENERAL MARKET	

NOTES:
RATED VOLTAGE:
3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT:
3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67



CONTACTS POSITION FRONT VIEW:

	3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS																																																
FEMALE																																																				
CONNECTIONS	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></tbody></table>	PIN	WIRE	1	BROWN	3	BLUE	4	BLACK	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></tbody></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY OR GREEN/YELLOW</td></tr></tbody></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY OR GREEN/YELLOW	<table border="1"><thead><tr><th>PIN</th><th>WIRE</th></tr></thead><tbody><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></tbody></table>	PIN	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
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5	GREY																																																			
6	PINK																																																			
7	BLUE																																																			
8	RED																																																			

FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YE	VINYL	-
6	3/4/5/8	CONTACT FE	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET RD	FPM	-
4	1	INSERT M12 FE XP BK	PUR	-
3	1	COUPLING NUT M12 FE	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING	SEE SHEET 2	SEE SHEET 2
1	-	CABLE	SEE SHEET 2	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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: STANDARDIZATION			molex					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL					CSE M12 XP AC FE STR WSOR XM SE UNSH					
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 681756			PRODUCT CUSTOMER DRAWING					
	3 PLACES		±		DRWN: MKOWALCZYK01 2021/10/18								
	2 PLACES		±		CHK'D: ALEKSP3 2021/10/18								
	1 PLACE		±		APPR: KMARCINIAK01 2021/10/18								
	0 PLACES		±		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
					DRWN: AKONDRACIUK 2016/11/26			1200652251		PSD	00P	B2	
				APPR: MIWASIECZKO 2016/12/06									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		120065		SEE PART LIST				1 OF 2	

F



D

CA

1

A