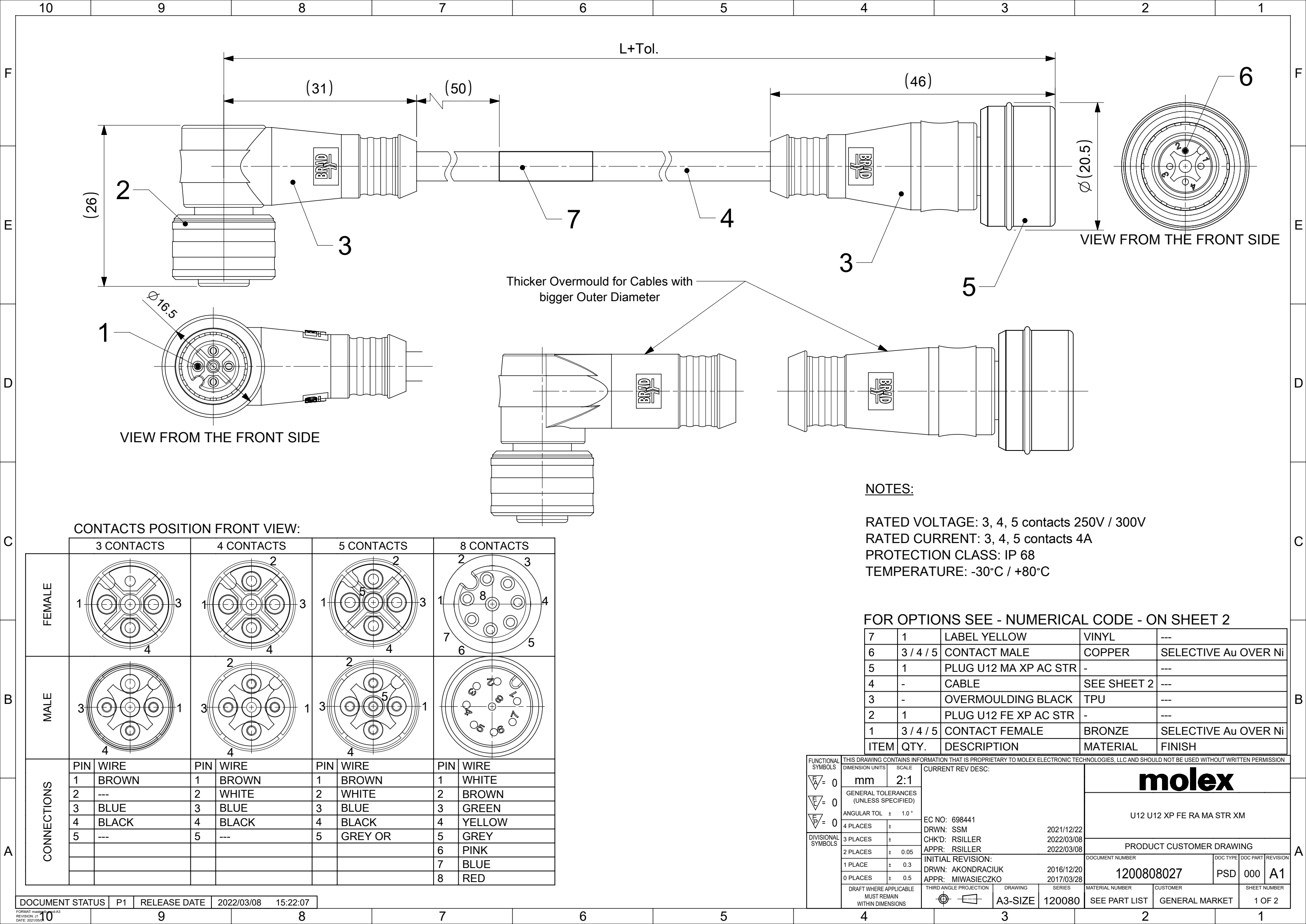




CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY OR	5	GREY
							6	PINK
							7	BLUE
							8	RED

NOTES:

RATED VOLTAGE: 3, 4, 5 contacts 250V / 300V
RATED CURRENT: 3, 4, 5 contacts 4A
PROTECTION CLASS: IP 68
TEMPERATURE: -30°C / +80°C

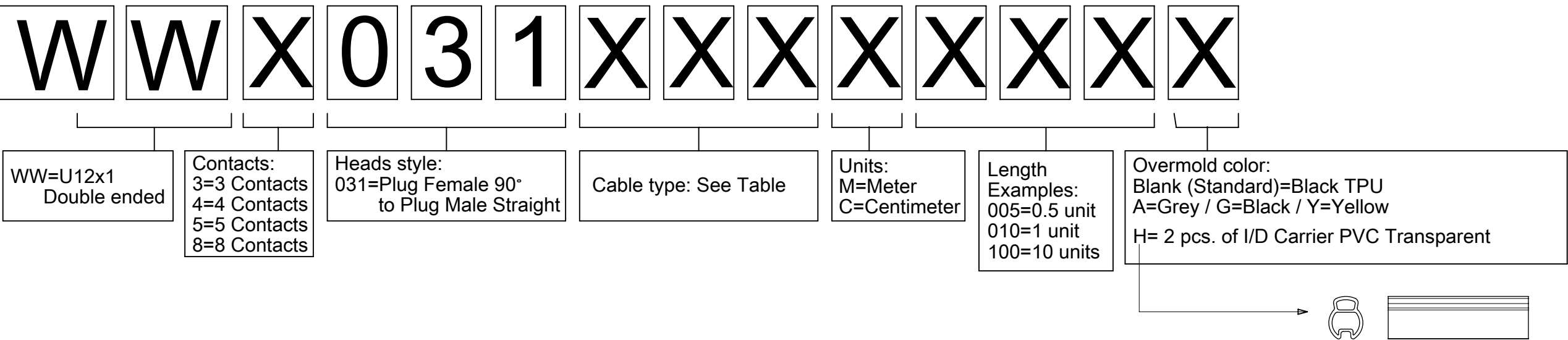
FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	---
6	3 / 4 / 5	CONTACT MALE	COPPER	SELECTIVE Au OVER Ni
5	1	PLUG U12 MA XP AC STR	-	---
4	-	CABLE	SEE SHEET 2	---
3	-	OVERMOULDING BLACK	TPU	---
2	1	PLUG U12 FE XP AC STR	-	---
1	3 / 4 / 5	CONTACT FEMALE	BRONZE	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
FUNCTIONAL SYMBOLS E_A = 0 E = 0 E = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC:										
		mm		2:1												
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 698441 DRWN: SSM 2021/12/22 CHK'D: RSILLER 2022/03/08 APPR: RSILLER 2022/03/08										
		ANGULAR TOL ± 1.0 °														
4 PLACES		±		INITIAL REVISION: DRWN: AKONDRACIUK 2016/12/20 APPR: MIWASIECZKO 2017/03/28												
3 PLACES		±														
2 PLACES		± 0.05														
1 PLACE		± 0.3														
0 PLACES		± 0.5		DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
								A3-SIZE	120080	SEE PART LIST	GENERAL MARKET	1 OF 2				
										molex						
										U12 U12 XP FE RA MA STR XM						
										PRODUCT CUSTOMER DRAWING						
										1200808027				PSD	000	A1

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C 22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C 22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C 22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR/PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR/PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
1200808030	WW3031H09M010	1000
1200808027	WW4031H09M010	1000
1200808153	WW4031E03M010	1000
1200805078	WW5031P03M010	1000
1200808028	WW5031H09M010	1000
1200808056	WW5031P03M015	1500
1200808057	WW5031P03M020	2000
1200808058	WW5031P03M040	4000
1200808059	WW5031P03M045	4500
1200808060	WW5031P03M050	5000
1200808061	WW5031P03M100	10000
1200808074	WW5031P03M020A	2000
1200808075	WW5031P03M050A	5000
1200805084	WW8031P02M010	1000
1200808034	WW8031H08M010	1000

CABLE LENGTH TOLERANCES

OVER		UP TO AND INCLUDING	TOLERANCES	FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_F = 0$ 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: EC NO: 698441 DRWN: SSM 2021/12/22 CHK'D: RSILLER 2022/03/08 APPR: RSILLER 2022/03/08 INITIAL REVISION: DRWN: AKONDRACIUK 2016/12/20 APPR: MIWASIECZKO 2017/03/28					
					mm		1:1							
					GENERAL TOLERANCES (UNLESS SPECIFIED)									
					ANGULAR TOL ± 1.0°									
					4 PLACES		±		PRODUCT CUSTOMER DRAWING					
					3 PLACES		±							
					2 PLACES		± 0.05							
					1 PLACE		± 0.3							
				0 PLACES		± 0.5		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
								A3-SIZE	120080	SEE PART LIST		GENERAL MARKET	2 OF 2	

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

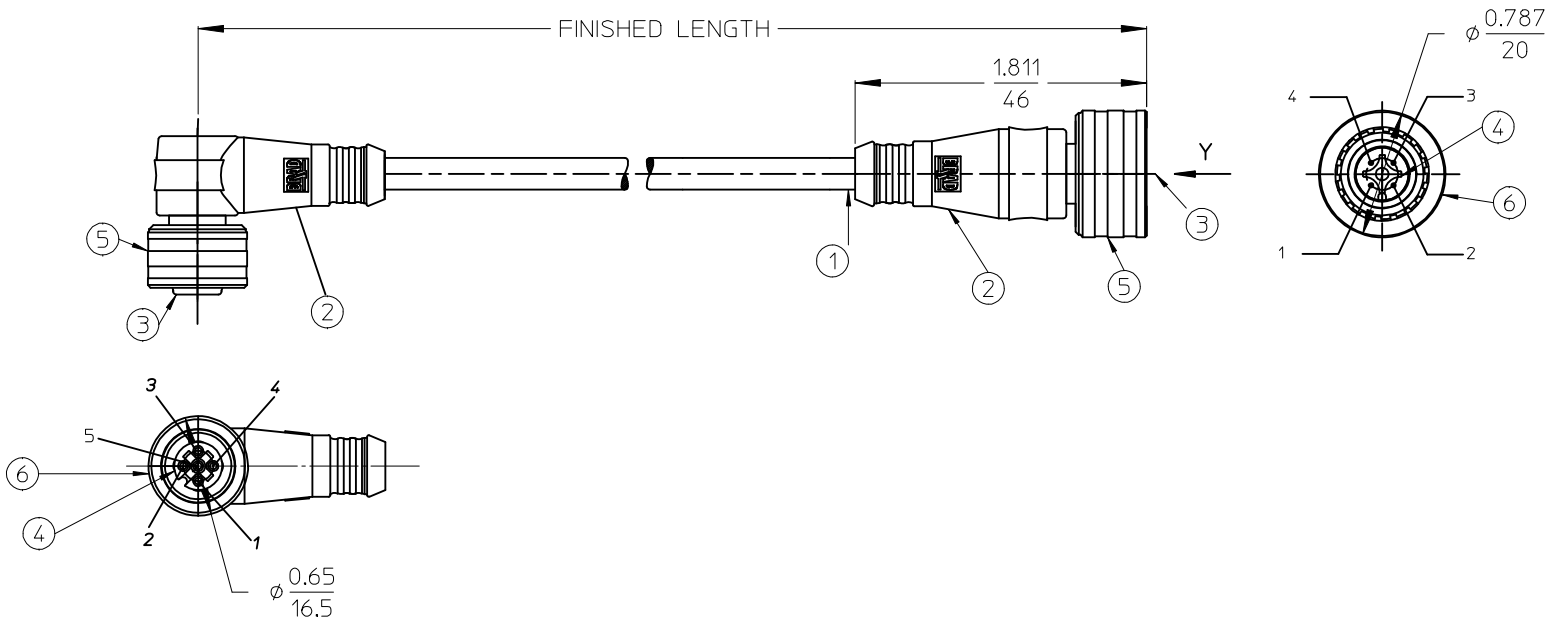
E

D

C

B

A



POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
3	1200805061	WW3031P03M010	3.28' +2.19 -0 [1.0M +55.6 -0]
4	1200805067	WW4031P03M010	3.28' +2.19 -0 [1.0M +55.6 -0]
5	1200805078	WW5031P03M010	3.28' +2.19 -0 [1.0M +55.6 -0]

VOLTAGE RATING	300V
AMPERAGE RATING	4A
PROTECTION	IP 67/68/69
OPERATING TEMPERATURE	-25°C / +80 °C
UL CERTIFICATION	FILE NO. E152210
CAS CERTIFICATION	FILE NO. LR6837

ITEM	COMPONENT	MATERIAL	FINISH
6	O-RING	VITON	GREEN
5	SHELL	BRASS	NICKEL PLATED
4	CONTACT	COPPER ALLOY	Au over Ni
3	INSERT	PUR	BLACK
2	OVERMOLD	PUR	BLACK
1	CABLE #22	PUR/PVC	BLACK

ENTER DESCRIPTION	EC NO: IPG2015-0241	2014/08/06
DRWN:BBRAUCH	CHKD:	2014/08/08
APPR:CBURGER	REV	

QUALITY SYMBOLS
▽=0
∇=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± 0.3
0 PLACE	± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
APOHL_WEU	2010/02/15
CHECKED BY	DATE
REISSNER	2010/02/16
APPROVED BY	DATE
FPACHER	2010/02/23
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE CSE U12 XP AC FE RA PUR XP M STR XM		
molex		
DOCUMENT NO. SD-120080-045		SHEET NO. 1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		