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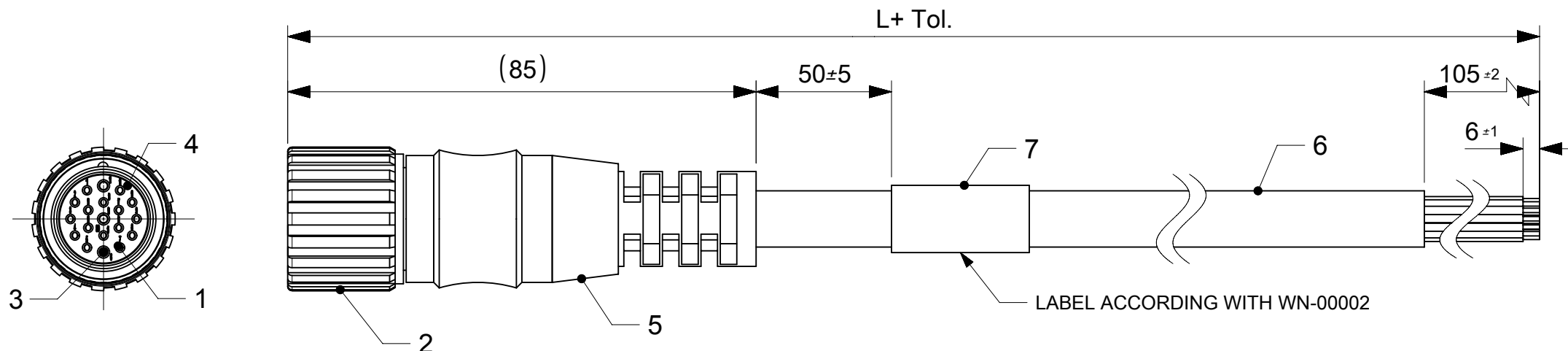
FORMAT: master-tb-prod-A3
REVISION: H 10

CABLE TYPE :

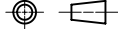
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E80	19	0.34mm ² /0.75mm ²	PVC YELLOW	-	-	-25°C to +70°C, >10xO.D.	-5°C to +70°C, >15xO.D.	1 000 000 cycles, Velocity : 120m/min	NO
P80	19	0.34mm ² /0.75mm ²	PUR BLACK	-	-	-40°C to +90°C, >7.5xO.D.	-15°C to +90°C, >12.5xO.D.	1 500 000 cycles, Velocity : 120m/min	NO
I81	19	0.34mm ² /0.75mm ²	PVC GREY	-	-	-25°C to +70°C, >10xO.D.	-5°C to +70°C, >15xO.D.	1 000 000 cycles, Velocity : 120m/min	YES

The diagram illustrates the structure of a cable code, consisting of 15 individual boxes arranged horizontally. These boxes are grouped by brackets below them into 10 categories, each with a descriptive label:

- K0=M23 X 1**
Single ended
- Poles:**
3=19 Poles
- Header:**
000- Female Straight
- Cable type**
- Unit:**
M = meter
- Length:**
Example:
010= 1 m
050= 5 m
100= 10 m
- Overmould:**
Blank= BK
A = GY
G = BK
Y = YE



ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	16	CONTACT FEMALE	CuSn6	GOLD OVER NICKEL PLATED
2	1	M23 FEMALE COUPLING NUT	BRASS	Ni- PLATED
3	3	FEMALE CONTACT (HARD SHELL)	BRASS	SELECTIVE Au OVER M
4	1	19P-INSERT/SHELL ASSEMBLY	-	-
5	-	MOULDING MATERIAL	SEE MATRIX	SEE MATRIX
6	-	CABLE	-	-
7	1	LABEL	VINYL	YELLOW

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																	
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 606186 DRWN: MMATLA 2018/10/10 CHK'D: DSTACHOWIAK 2018/10/22 APPR: DSTACHOWIAK 2018/10/22 INITIAL REVISION: DRWN: MMATLA 2018/10/10 APPR: DSTACHOWIAK 2018/10/22													
	= 0	mm		1:1															
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
	= 0	ANGULAR TOL ± °																	
	= 0	4 PLACES		±															
	= 0	3 PLACES		±															
	= 0	2 PLACES		±															
	= 0	1 PLACE		±															
	= 0	0 PLACES		±							PRODUCT CUSTOMER DRAWING								
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVIS	
	= 0							A3-SIZE		120094		1200945003		PSD		000		A	
	= 0											MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
												SEE PART LIST				1 OF 2			

molex

M23 19P FE ST XM PUR

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVIS
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1200945003

DOC TYPE	DOC PART	REVIS
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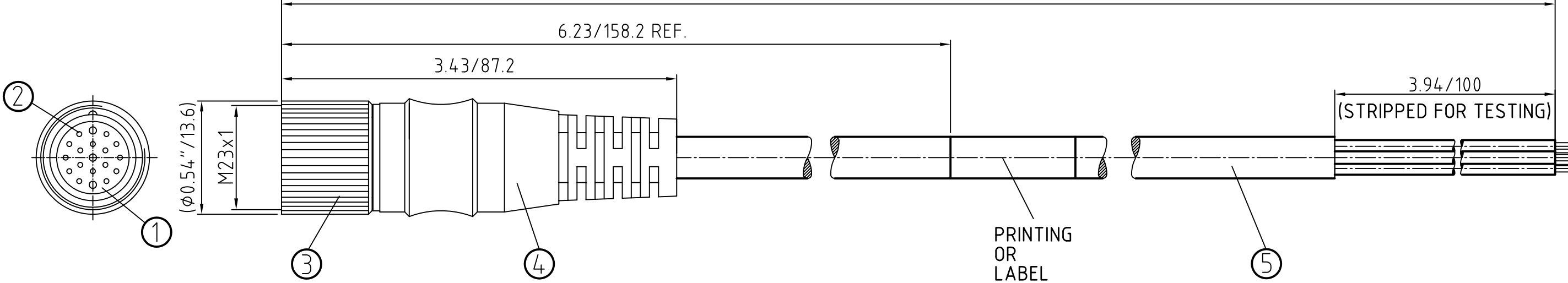
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ZZ				
	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	

INVENTORY NUMBER	CUSTOMER	STREET NUMBER
4	OFF PART LIST	1050

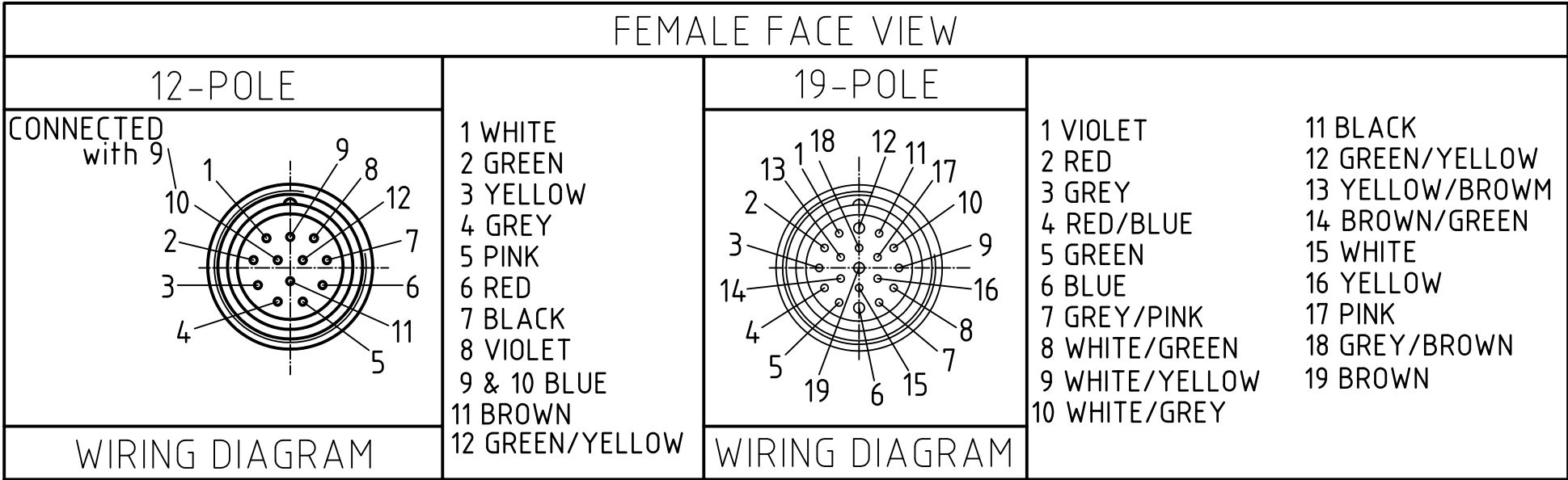
1 OF 2

FINISHED LENGTH (SEE TABLE)



POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
12	1200945021	K02100P80M050	16.40' +6.50" -0 [5.0M +165.1 -0]
12	1200945022	K02100P80M100	32.81' +12.50" -0 [10.0M +317.5 -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
19	1200945026	K03000P80M050	16.40' +6.50" -0 [5.0M +165.1 -0]
19	1200945003	K03000P80M100	32.81' +12.50" -0 [10.0M +317.5 -0]



CONNECTOR SPECIFICATION:

VOLTAGE RATING	63V AC/DC
AMPERAGE RATING	6 AMPS
PROTECTION CLASS	IP67
OPERATING TEMPERATURE	-25°C TO 90°C
UL CERTIFICATIONS	NOT APPLICABLE
CSA CERTIFICATIONS	NOT APPLICABLE

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYURETHANE (PUR)	BLACK
2	CONTACT MATERIAL	COPPER ALLOY	GOLD OVER NICKEL
3	COUPLING NUT	BRASS	NICKEL PLATED
4	OVERMOLD	TPU	BLACK
5	CABLE 3x0.75 ² /18 AWG CABLE 16x0.34 ² /22 AWG	JACKET: PUR	JACKET: BLACK

DESCRIPTION EC NO: WEU2010-0281 DRWN: BBRAUCH 2010/01/20 CHKD: RE APPR: NSTAUDIG 2010/01/25	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			 = 0  = 0		mm	INCH	DRAWN BY BBRAUCH	DATE 2010/01/20	M23 19P FEMALE STR BLACK PUR/PVC ----		
		4 PLACES		±---	±---	CHECKED BY RE	DATE 2010/01/21				
		3 PLACES		±---	±---	APPROVED BY	DATE	 MOLEX INCORPORATED	DOCUMENT NO. SD-120094-003	SHEET NO. 1 OF 1	
		2 PLACES		±0.05	±---	NSTAUDIG	2010/01/22				
		1 PLACE		±0.1	±---	MATERIAL NO.					
		ANGULAR ± --- °			SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									