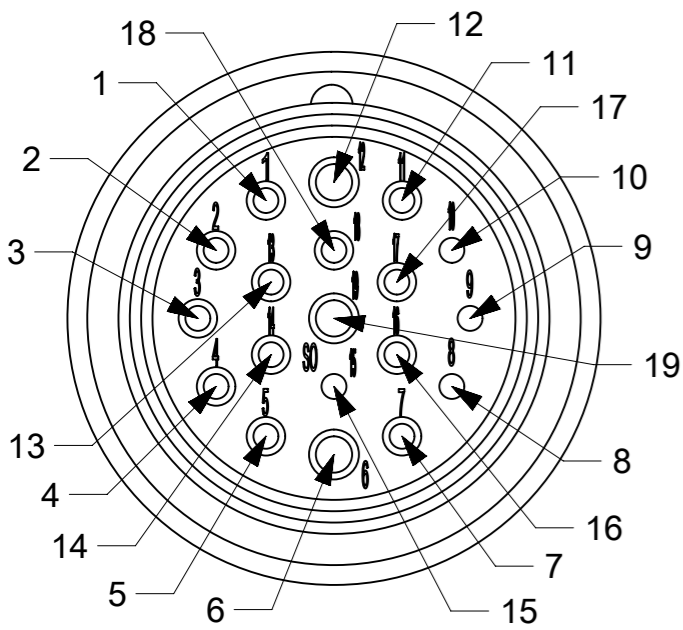
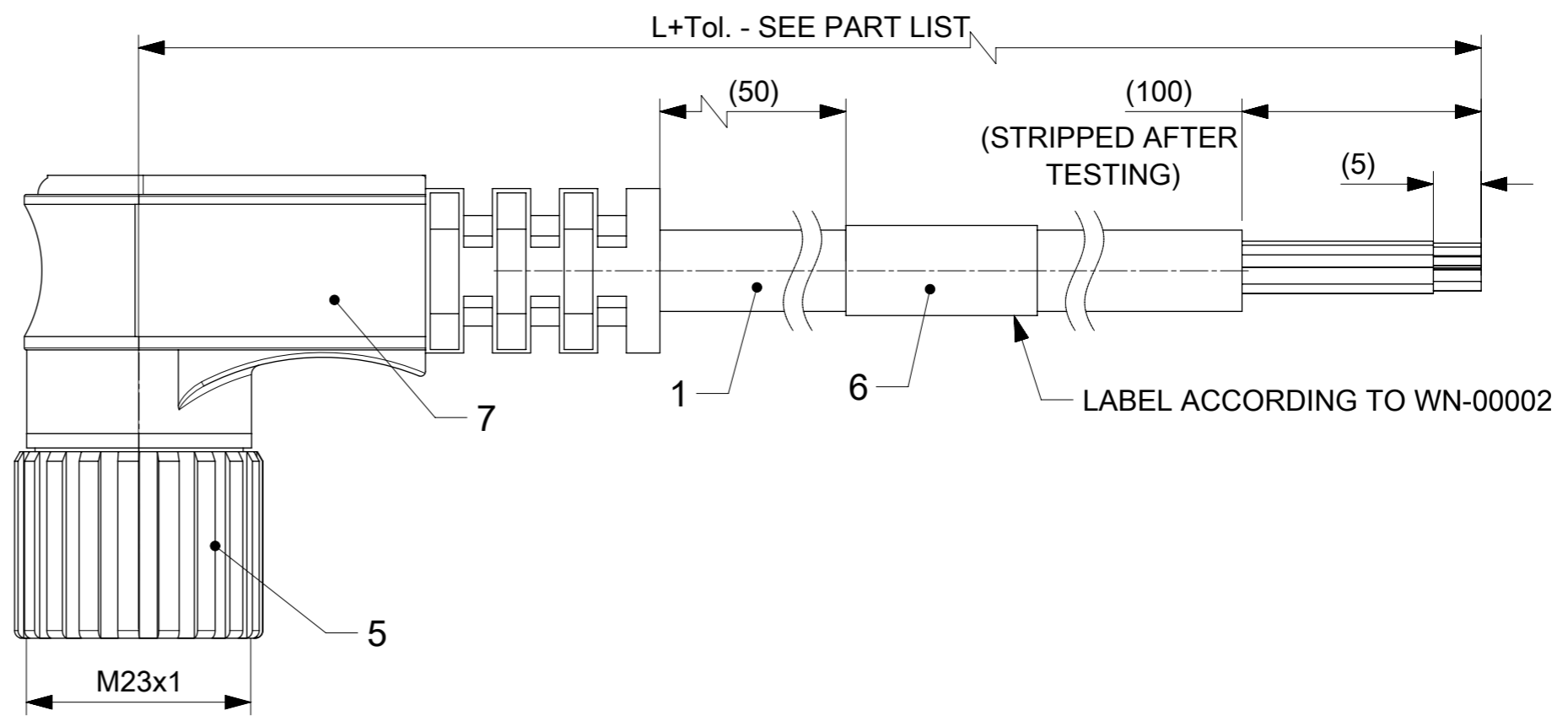


M23 19 POLE FEMALE



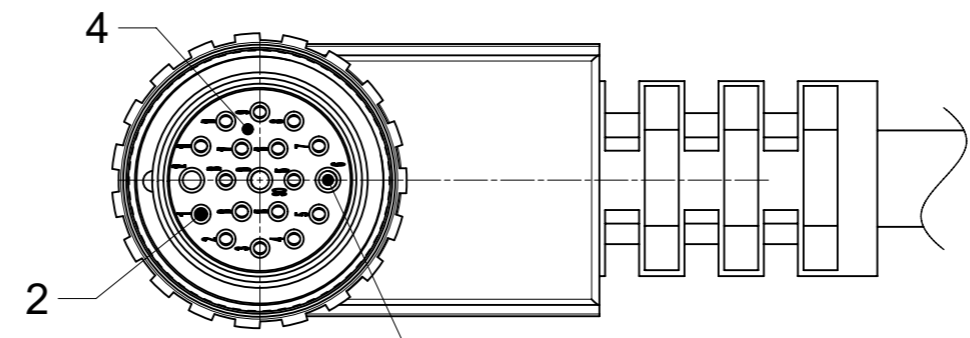
Pin	Wire color
1	VT
2	RD
3	GY
4	RD-BU
5	GN
6	BU
7	GY-PK
8	WH-GN
9	WH-YE
10	WH-GY
11	BK
12	GN-YE
13	YE-BN
14	BN-GN
15	WH
16	YE
17	PK
18	GY-BN
19	BN

VIEW FROM THE FRONT SIDE



LABEL ACCORDING TO WN-00002

M23x1



VIEW FROM THE FRONT SIDE

WIRING DIAGRAM

1	VIOLET
2	RED
3	GREY
4	RED-BLUE
5	GREEN
6	BLUE
7	GREY-PINK
8	WHITE-GREEN
9	WHITE-YELLOW
10	WHITE-GREY
11	BLACK
12	GREEN-YELLOW
13	YELLOW-BROWN
14	BROWN-GREEN
15	WHITE
16	YELLOW
17	PINK
18	GREY-BROWN
19	BROWN

BOM

ITEM	QTY	DESCRIPTION	MATERIAL FINISH
7	-	MOULDING	TPU
6	1	LABEL	VINYL
5	1	COUPLING NUT M23 FE	BRASS
4	1	INSERT 19P FE	PUR
3	3	CONTACT FE	BRASS
2	16	CONTACT 10 FE	COPPER
1	-	CABLE	PUR

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

DIMENSION UNITS mm	SCALE 1.5:1	CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884	molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)					
ANGULAR TOL	± °	EC NO: 662770	PRODUCT CUSTOMER DRAWING		
4 PLACES	±	DRWN: SUGEEB	2021/03/02	DOCUMENT NUMBER	
3 PLACES	±	CHK'D: GGA	2021/06/02	1200940044	DOC TYPE
2 PLACES	± 0.05	APPR: GGA	2021/06/02	PSD	DOC PART
1 PLACE	± 0.1	INITIAL REVISION:	2019/06/03	000	REVISION
0 PLACES	±	DRWN: MDHARMANTI	2019/06/06	A1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	120094	CUSTOMER
					GENERAL MARKET
					SHEET NUMBER
					1 OF 2

PART No MATRIX

K 0 3 0 0 1 P 8 0 M X X X

K0=M23x1 SINGLE ENDED

POLES:
3=19 POLES

HEAD STYLE:
001=FEMALE

CABLE TYPE:
P80=3x0,75+16x0,34 PUR BLACK

UNIT:
M=METER

LENGHT -
EXAMPLE:
010=1m
050=5m
100=10m

CABLE SPECIFICATION FOR CABLE TYPE P80 :

CONDUCTOR A:
MATERIAL: BARE COPPER
SECTION: 0.75mm²/19AWG
STRANDING: 42X0.15mm

INSULATION A:
COMPOUND: PVC
DIAMETER: 2.0 ±0.10mm

CONDUCTOR B:
MATERIAL: BARE COPPER
SECTION:- 0.34mm²/22AWG
INSULATION B:

COMPOUND: PVC
DIAMETER: 1.55 ±0.10mm

JACKET:
COMPOUND: BLEND PUR
COLOR: BLACK
DIAMETER: 11.40 ±0.25mm
TEMPERATURE RANGE:
STATIC: -5°C TO +90°C
DINAMIC: -30°C TO +90°C
VOLTAGE RATING: 300V


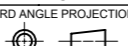
NOTES:

VOLTAGE RATING : 63V AC/DC
AMPERAGE RATING : 6.0 A
PROTECTION CLASS : IP67
OPERATING TEMPERATURE : -25° TO 90°C
UL CERTIFICATIONS : NOT APPLICABLE
CSA CERTIFICATIONS : NOT APPLICABLE

PART LIST

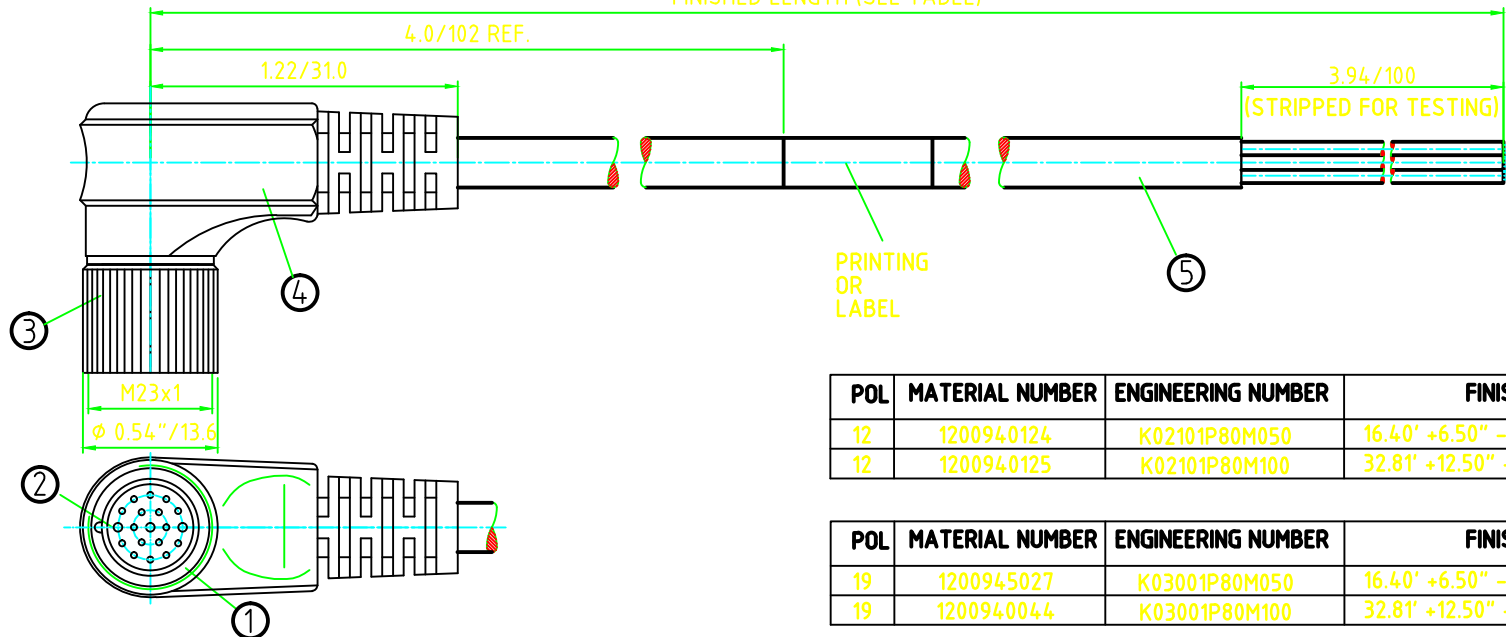
MOLEX PN	ENGINEERING No	L [mm]
1200940044	K03001P80M100	10000
1200945017	K03001P80M200	20000
1200945027	K03001P80M050	5000
1200945028	K03001P80M150	15000
1200948061	K03001P80M300	30000
1200948105	K03001P80M250	25000
1200948116	K03001P80M350	35000

CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884							
mm	1:1	 CSE M23 19P SC FE RA PUR BK XM							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± °	EC NO: 662770							
4 PLACES	±	DRWN: SUGEEB				2021/03/02			
3 PLACES	±	CHK'D: GGA				2021/06/02			
2 PLACES	± 0.05	APPR: GGA				2021/06/02			
1 PLACE	± 0.1	INITIAL REVISION:							
0 PLACES	±	DRWN: MDHARMANTI				2019/06/03			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOCUMENT NUMBER	DOC TYPE
				A3-SIZE	120094	SEE TABLE	GENERAL MARKET	1200940044	PSD
								000	A1
									2 OF 2

10 9 8 7 6 5 4 3 2 1

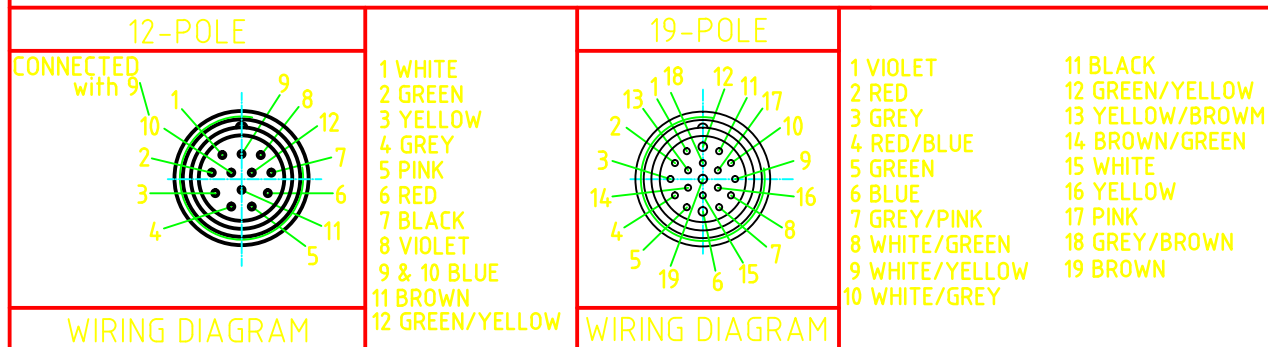
FINISHED LENGTH (SEE TABLE)



POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
12	120094.0124	K02101P80M050	16.40' +6.50" -0 [5.0M +165.1 -0]
12	120094.0125	K02101P80M100	32.81' +12.50" -0 [10.0M +317.5 -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
19	120094.5027	K03001P80M050	16.40' +6.50" -0 [5.0M +165.1 -0]
19	120094.0044	K03001P80M100	32.81' +12.50" -0 [10.0M +317.5 -0]

FEMALE FACE VIEW



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

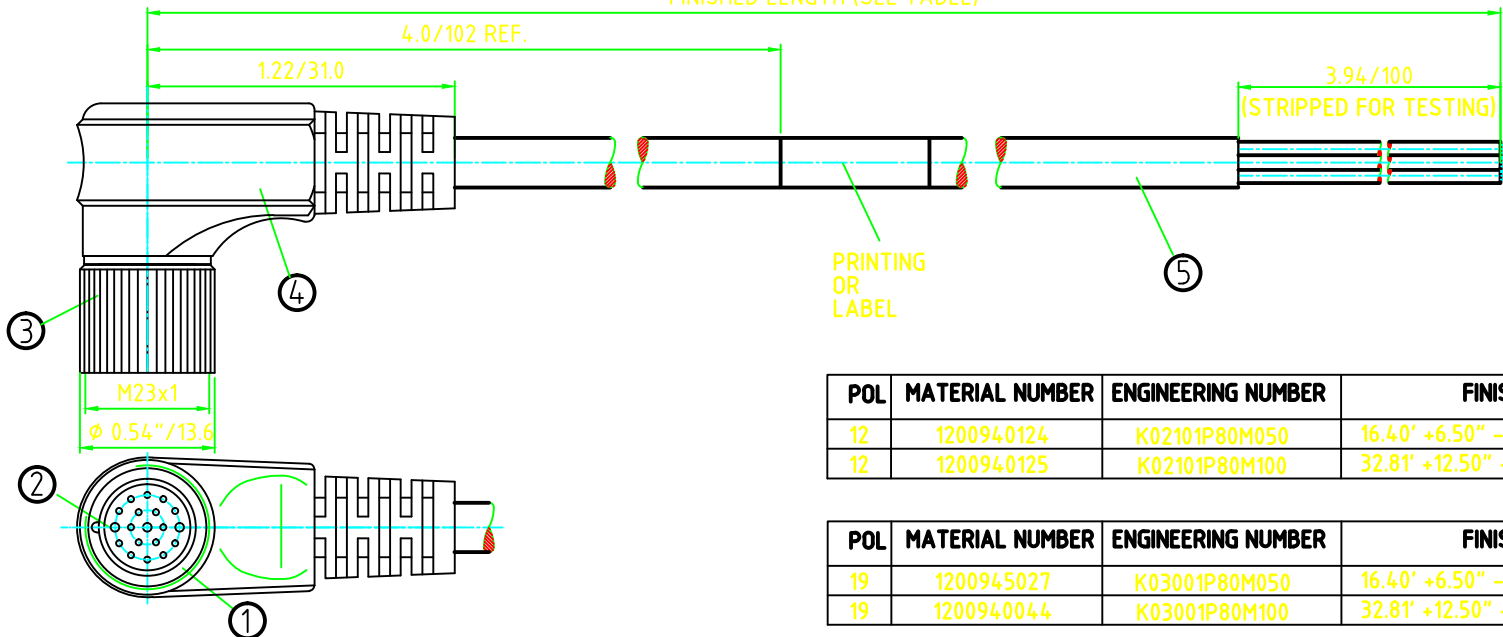
ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYURETHANE (PUR)	BLACK
2	CONTACT MATERIAL	COPPER ALLOY	GOLD OVER NICKEL
3	COUPLING NUT	BRASS	NICKEL PLATED
4	OVERMOLD	TPU	BLACK
12 POLE	CABLE 3x0.75 ² /18 AWG	JACKET: PUR	JACKET: BLACK
5	CABLE 8x0.34 ² /22 AWG		
19 POLE	CABLE 3x0.75 ² /18 AWG CABLE 16x0.34 ² /22 AWG		

DESCRIPTION EC NO.: WEU2010-0281 DRWN.: BBRAUCH 2010/01/19 CHKD.: RE 2010/01/14 APPR.: NSTAUDIG 2010/01/22 REV 1	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±0.05</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±0.1</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ± --- °</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±0.05	±---	1 PLACE	±0.1	±---	ANGULAR ± --- °			DIMENSION STYLE INCH/MM DRAWN BY: BBRAUCH DATE: 2010/01/19 CHECKED BY: RE DATE: 2010/01/20 APPROVED BY: NSTAUDIG DATE: 2010/01/22 MATERIAL NO.: DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE: 2:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION
		mm	INCH																			
	4 PLACES	±---	±---																			
	3 PLACES	±---	±---																			
2 PLACES	±0.05	±---																				
1 PLACE	±0.1	±---																				
ANGULAR ± --- °																						
M23 12/19P FEMALE 90 BLACK PUR/PVC		SEE TABLE		MOLEX INCORPORATED																		
SD-120094-002		SHEET NO. 1 OF 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

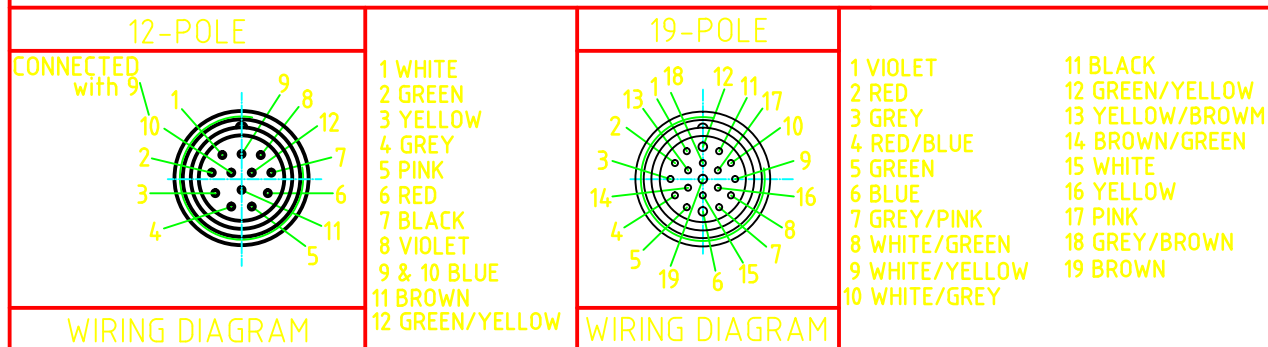
FINISHED LENGTH (SEE TABLE)



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FEMALE FACE VIEW



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ITEM	COMPONENT	MATERIAL	FINISH
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DESCRIPTION EC NO.: WEU2010-0281 DRWN: BBRAUCH 2010/01/19 CHKD: RE 2010/01/14 APPR: NSTAUDIG 2010/01/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	= 0 ∇ = 0	mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.05 ±--- 1 PLACE ±0.1 ±--- ANGULAR ± --- °	INCH/MM	2:1	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY DATE BBRAUCH 2010/01/19 CHECKED BY DATE RE 2010/01/20 APPROVED BY DATE NSTAUDIG 2010/01/22 MATERIAL NO.	M23 12/19P FEMALE 90 BLACK PUR/PVC ---- MOLEX INCORPORATED DOCUMENT NO. SD-120094-002 SHEET NO. 1 OF 1			
	SIZE A3	SEE TABLE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10 9 8 7 6 5 4 3 2 1