

M23 19 POLE FEMALE

The diagram illustrates the front view of an M23 19 Pole Female connector. It features a circular housing with 19 pins arranged in a circular pattern. The pins are numbered 1 through 19, and each pin is associated with a specific wire color. The diagram also shows the internal wiring connections and the outer shielding layers.

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

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The diagram illustrates the front view of an M23 19 Pole Female connector. It features a circular housing with 19 pins arranged in a circular pattern. The pins are numbered 1 through 19, and each pin is associated with a specific wire color. The diagram includes a table of pin numbers and wire colors, and a label indicating the view is from the front side.

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5	GN
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12	GN-YE
13	YE-BN
14	BN-GN
15	WH
16	YE
17	PK
18	GY-BN
19	BN

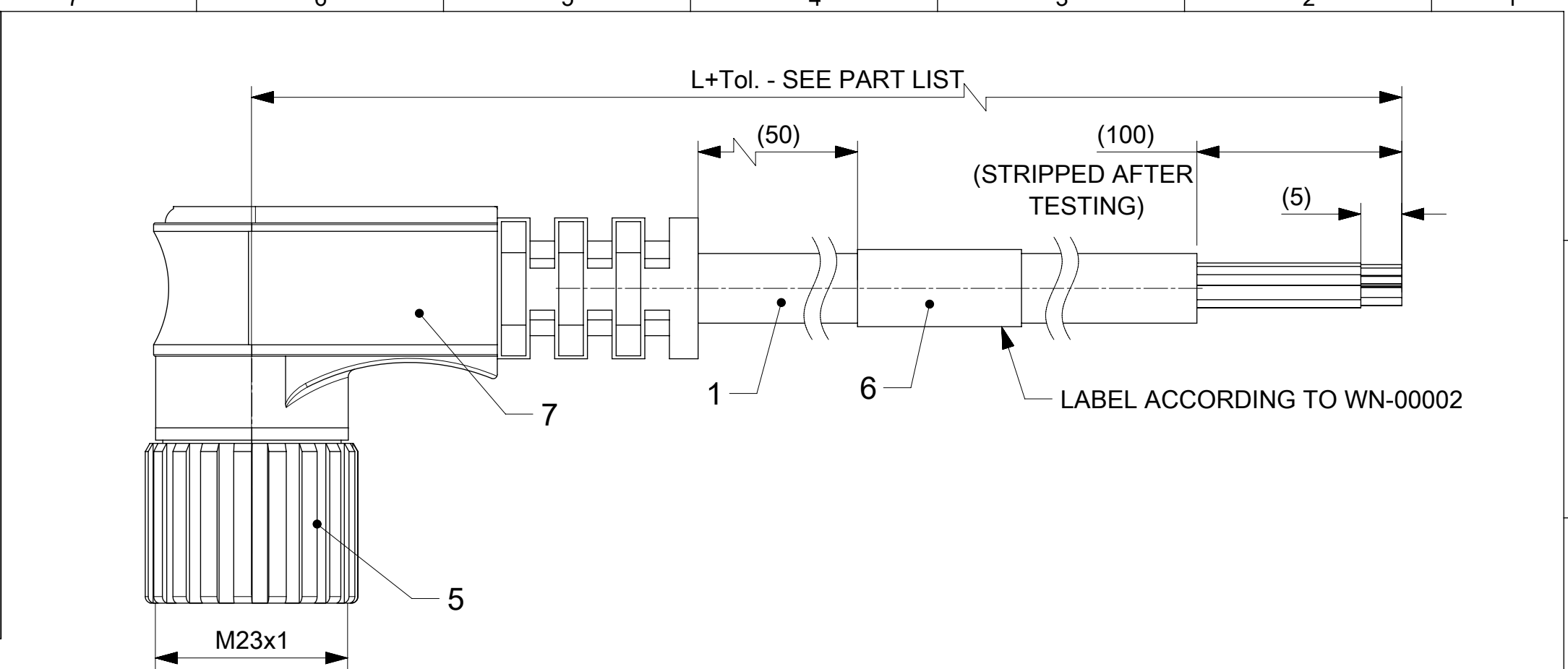
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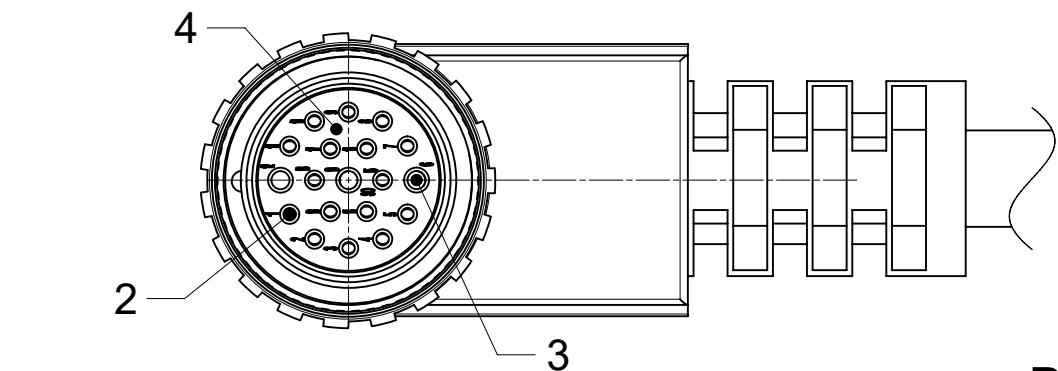
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15	WH
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17	PK
18	GY-BN
19	BN

VIEW FROM THE FRONT SIDE



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

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13	YELLOW-BROWN
14	BROWN-GREEN
15	WHITE
16	YELLOW
17	PINK
18	GREY-BROWN
19	BROWN



7	-	MOULDING	TPU	BLACK
6	1	LABEL	VINYL	YELLOW
5	1	COUPLING NUT M23 FE	BRASS	Ni PLATED
4	1	INSER 19P FE	PUR	BLACK
3	3	CONTACT FE	BRASS	Au OVER Ni
2	16	CONTACT 10 FE	COPPER	Ni PLATED
1	-	CABLE	PUR	BLACK
ITEM	QTY	DESCRIPTION	MATERIAL FINISH	

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DIMENSION UNITS mm		SCALE 1.5:1		CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884		molex		
GENERAL TOLERANCES (UNLESS SPECIFIED)								
ANGULAR TOL ± °						CSE M23 19P SC FE RA PUR BK XM		
4 PLACES ±								
3 PLACES ±						PRODUCT CUSTOMER DRAWING		
2 PLACES ± 0.05								
1 PLACE ± 0.1				DOCUMENT NUMBER 1200940044		DOC TYPE PSD	DOC PART 000	REVISION A1
0 PLACES ±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
				A3-SIZE	120094	SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/02	05:44:50
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PART No MATRIX

K03001P80MX

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				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 662770 DRWN: SUGEEB CHK'D: GGA APPR: GGA				CSE M23 19P SC FE RA PUR BK XM							
ANGULAR TOL ± °															
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.05													
1 PLACE		± 0.1		INITIAL REVISION: DRWN: MDHARMANTI APPR: RSILLER				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			
0 PLACES		±						1200940044		PSD	000	A1			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120094		SEE TABLE		GENERAL MARKET		2 OF 2	