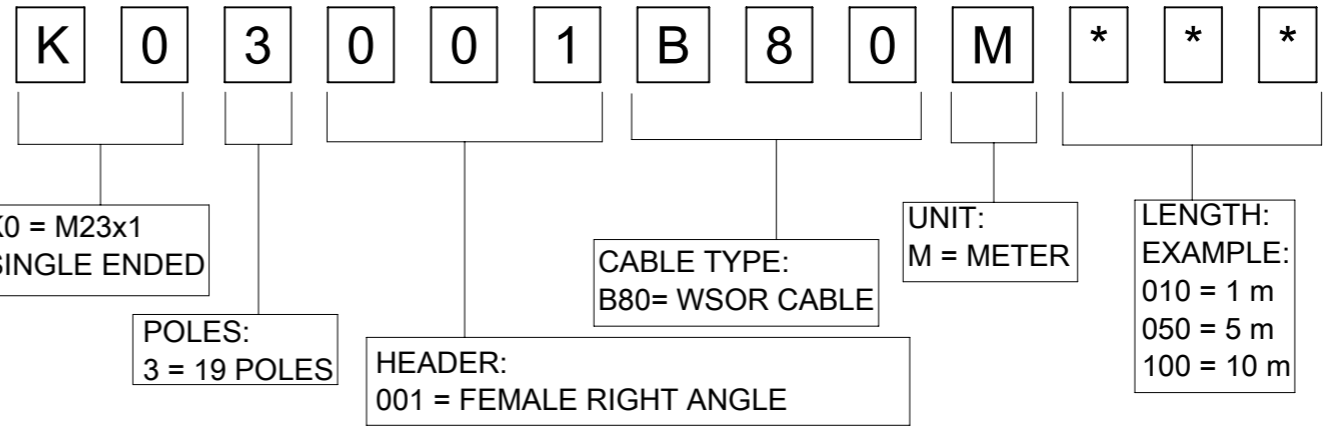


# Wiring Diagram

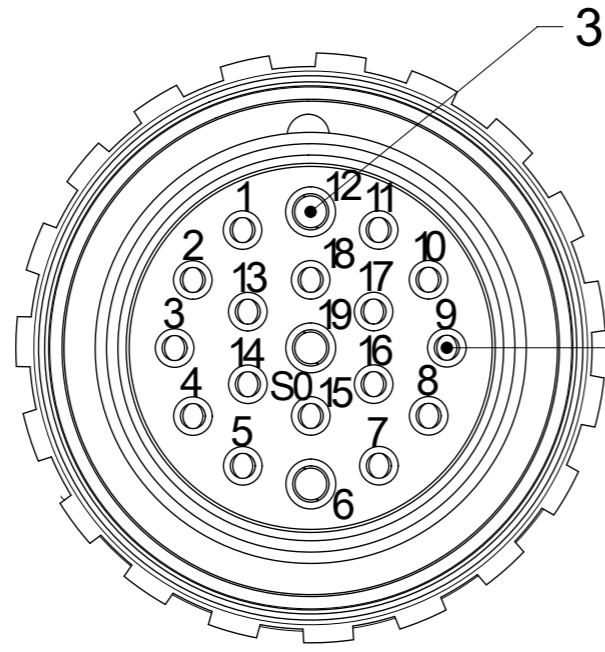
CHANGES SEE REVISION MARKING B WIRING DIAGRAM

## PART NO MATRIX

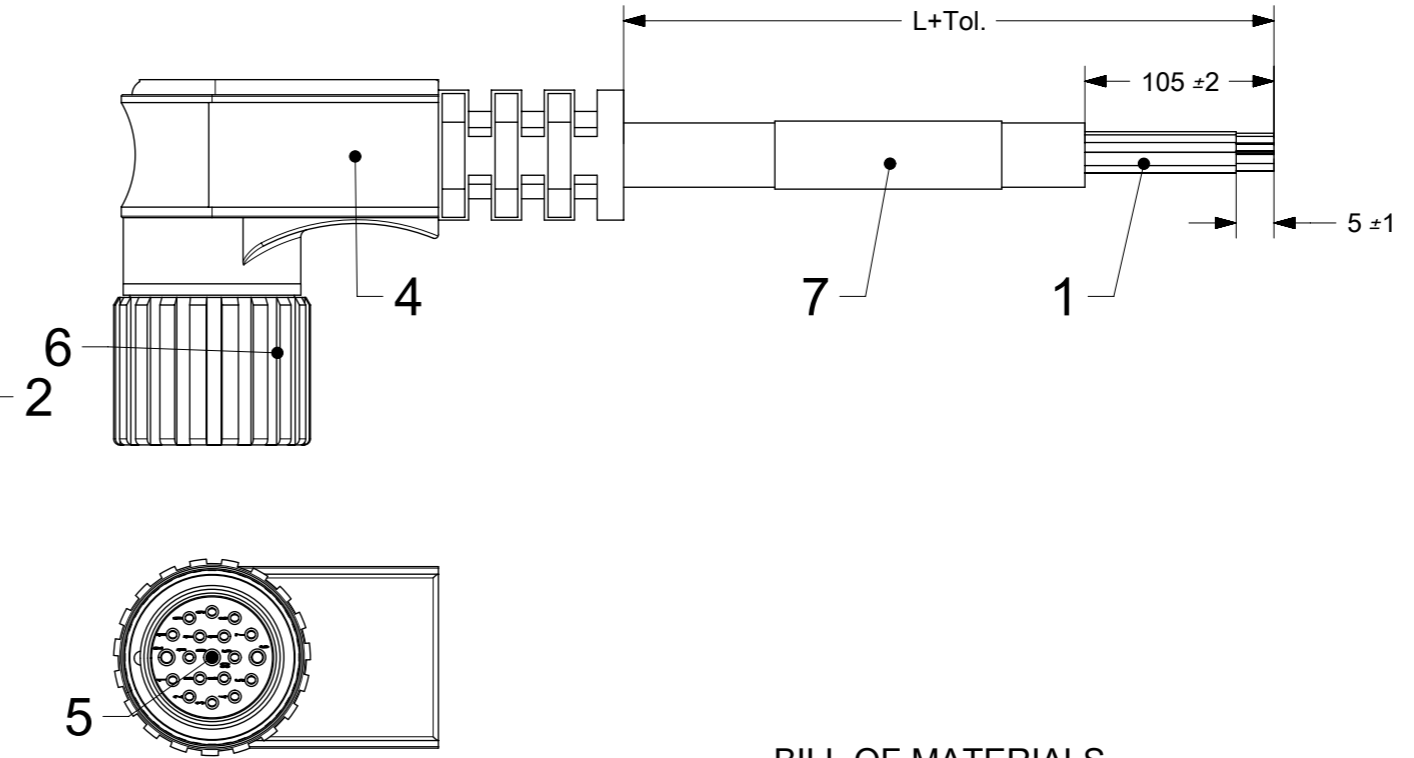


- 1 Violet
- 2 Red
- 3 Gray
- 4 Red/Blue
- 5 Green
- 6 Blue
- 7 Gray/Pink
- 8 White/Green
- 9 White/Yellow
- 10 White/Gray
- 11 Black
- 12 Green/Yellow
- 13 Yellow/Brown
- 14 Brown/Green
- 15 White
- 16 Yellow
- 17 Pink
- 18 Gray/Brown
- 19 Brown

## Connector Pin Assignment for M23 19 Pole Front Side View



Scale : 3:1



## View From The Front Side

### CABLE SPECIFICATION:

**CONDUCTOR A:**  
 MATERIAL: BARE COPPER  
 SECTION: 0.75mm<sup>2</sup>/19AWG  
 STRANDING: 42X0.15mm  
**INSULATION A:**  
 COMPOUND: TPE  
 DIAMETER: 1.75±0.10mm  
**CONDUCTOR B:**  
 MATERIAL: BARE COPPER  
 SECTION: 0.34mm<sup>2</sup>/22AWG  
 STRANDING: 42X0.10mm  
**INSULATION B:**  
 COMPOUND: TPE  
 DIAMETER: 1.30±0.10mm  
**JACKET:**  
 COMPOUND: TPU  
 COLOR: BLACK  
 DIAMETER: 10.50±0.30mm  
 TEMPERATURE RATING: -40°C TO +90°C  
 VOLTAGE RATING: 600V

### BILL OF MATERIALS

QTY	DESCRIPTION	MATERIAL	FINISH
7 1	STANDARD WRAP LABEL	Vinyl	Yellow
6 1	M23 Female coupling nut	Brass	Nickel Plated
5 1	M23 Female insert 19P	TPU	Black
4 1	Overmould	TPU	Black
3 3	Contacts	Brass	Nickel Plated
2 16	Contacts	Bronze	Nickel Plated
1 L	CABLE:3X19AWG+16X22AWG	TPU WSOR	Black

Table 1

Molex P/N	Engineering P/N	Length L[mm]	Tol.[mm]
1200948161	K03001B80M010	1000	+40
1200948162	K03001B80M050	5000	+60
1200948163	K03001B80M100	10000	+80
1200948164	K03001B80M150	15000	+140
1200948165	K03001B80M200	20000	+140
1200948166	K03001B80M250	25000	+160
1200948167	K03001B80M300	30000	+160

<b>SYMBOLS</b> DIMENSION UNITS: mm SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL: ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: EC NO: 177844 DRWN: MCELEJEWSKI 2018/06/08 CHK'D: MIWASIECZKO 2018/06/08 APPR: MIWASIECZKO 2018/06/08		 CSE M23 19P FE RA WSOR XM SE PRODUCT CUSTOMER DRAWING
	INITIAL REVISION: DRWN: MMAJGAT 2016/04/15 APPR: MIWASIECZKO 2016/08/02		DOCUMENT NUMBER: 1200948161 DOC TYPE: PSD DOC PART: 00P REVISION: B1		
	THIRD ANGLE PROJECTION		DRAWING: A3-SIZE SERIES: 120094		
	MATERIAL NUMBER:		CUSTOMER:		
SHEET NUMBER: 1 OF 1					