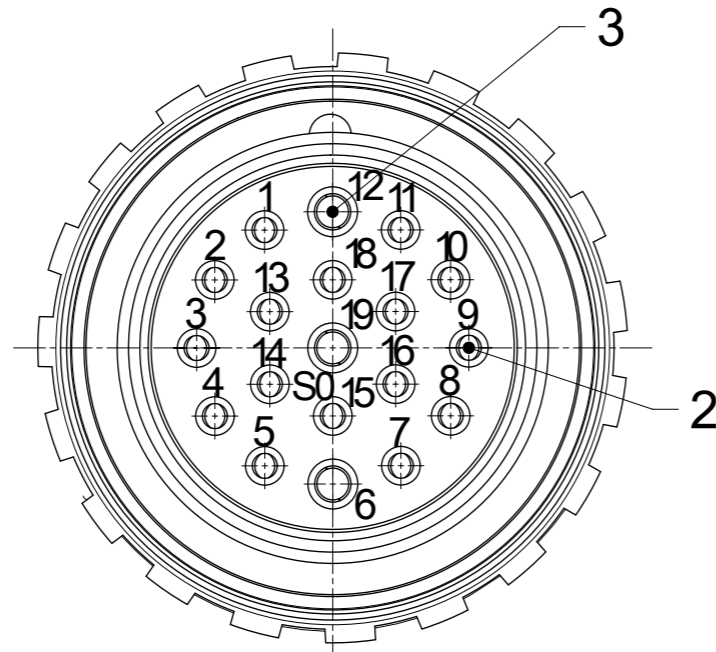


Wiring Diagram

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

Connector Pin Assignment for M23 19 Pole Front Side View



Scale 3:1

CABLE SPECIFICATION:

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

INSULATION A:
 COMPOUND: TPE
 DIAMETER: 1.75±0.10mm

CONDUCTOR B:
 MATERIAL: BARE COPPER
 SECTION: 0.34mm²/22AWG
 STRANDING: 42X0.10mm

INSULATION B:
 COMPOUND: TPE
 DIAMETER: 1.30±0.10mm

JACKET:
 COMPOUND: TPU
 COLOR: BLACK
 DIAMETER: 8.50±0.25mm
 TEMPERATURE RATING: -40°C TO +90°C
 VOLTAGE RATING: 600V

CONNECTOR SPECIFICATION:

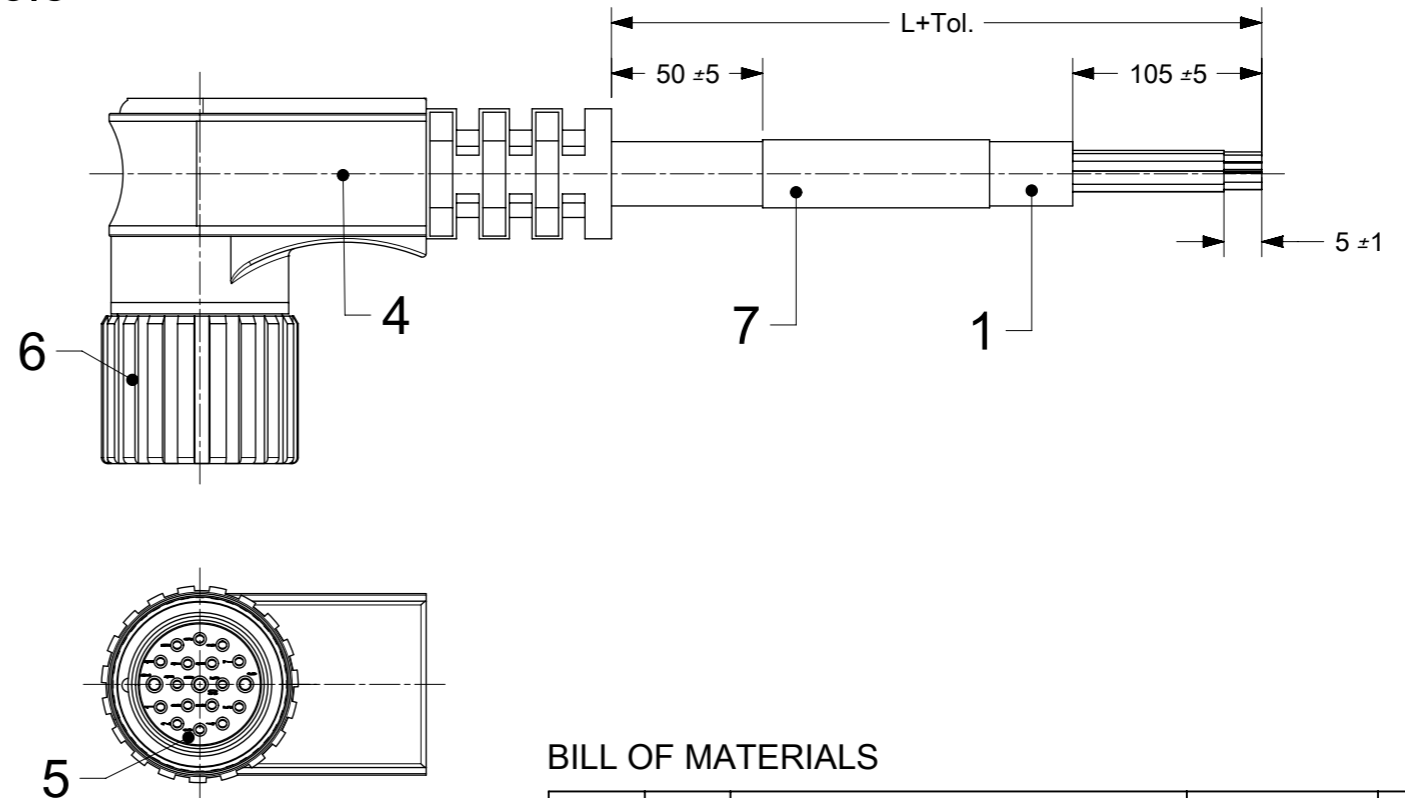
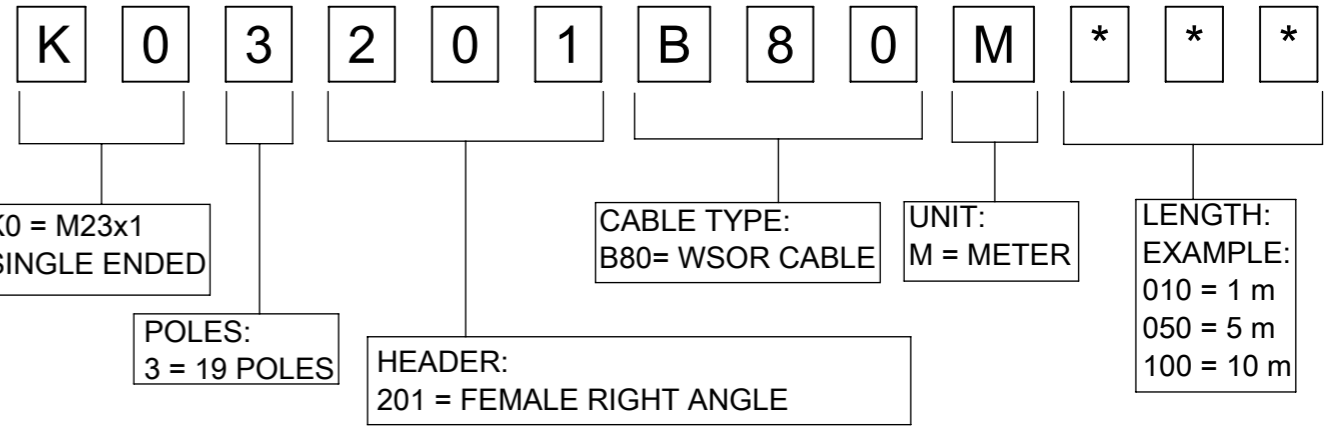
VOLTAGE RATING	63V AC/DC
AMPERAGE RATING	6 AMPS
PROTECTION CLASS	IP67
OPERATING TEMPERATURE	-25°C to 90°C

TABLE 1

Molex P/N	Engineering P/N	Length L[mm]
1200948227	K03201B80M050	5000
1200948231	K03201B80M100	10000
1200948229	K03201B80M150	15000

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

PART NO MATRIX



View From The Front Side

BILL OF MATERIALS

POS.	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+12X22AWG	TPU WSOR	Black

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: DIMENSION ADDED																						
	<table border="1"> <tr><td>FUNCTIONAL SYMBOLS</td><td>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr> <tr><td>▽/A = 0</td><td>mm</td></tr> <tr><td>▽/E = 0</td><td>SCALE 1:1</td></tr> <tr><td>▽/V = 0</td><td>GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr> <tr><td></td><td>ANGULAR TOL ± 1.0°</td></tr> <tr><td></td><td>4 PLACES ±</td></tr> <tr><td></td><td>3 PLACES ±</td></tr> <tr><td></td><td>2 PLACES ± 0.05</td></tr> <tr><td></td><td>1 PLACE ± 0.3</td></tr> <tr><td></td><td>0 PLACES ± 0.5</td></tr> </table>	FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			▽/A = 0	mm	▽/E = 0	SCALE 1:1	▽/V = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL ± 1.0°		4 PLACES ±		3 PLACES ±		2 PLACES ± 0.05		1 PLACE ± 0.3		0 PLACES ± 0.5	EC NO: 646985 DRWN: RSCHIEBER 2020/10/13 CHK'D: RSILLER 2020/10/13 APPR: RSILLER 2020/10/13
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	1 PLACE ± 0.3																							
	0 PLACES ± 0.5																							
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 120094	MATERIAL NUMBER SEE TABLE 1																			
PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER 1200948227	DOC TYPE PSD	DOC PART 000																			
INITIAL REVISION: DRWN: RSCHIEBER 2019/02/25 APPR: RSILLER 2019/04/03			SHEET NUMBER 1 OF 1	CUSTOMER GENERAL MARKET																				