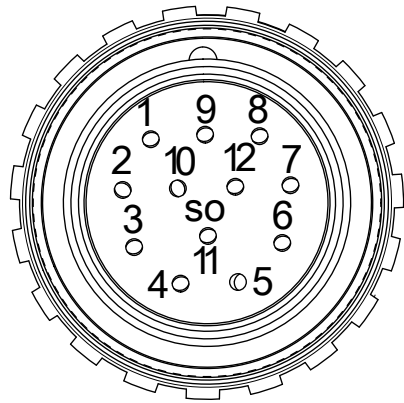


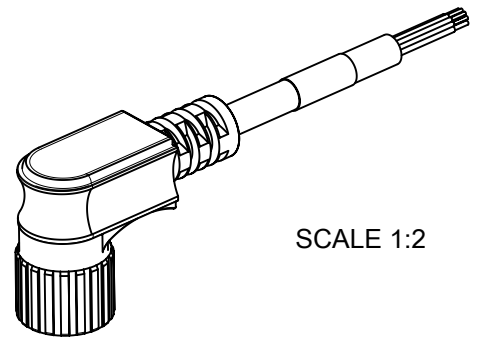
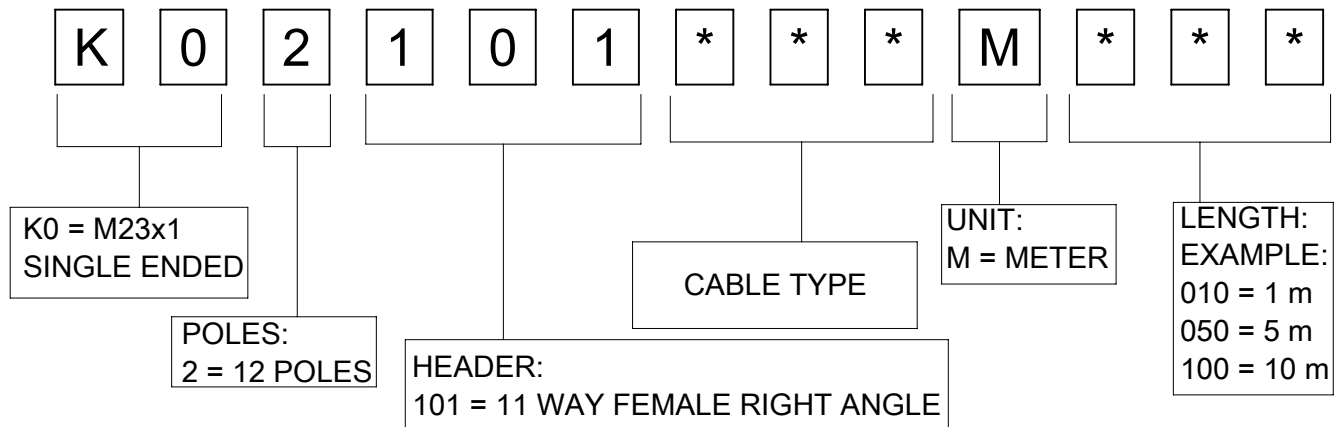
M23 12P FEMALE
VIEW FROM FRONT SIDE



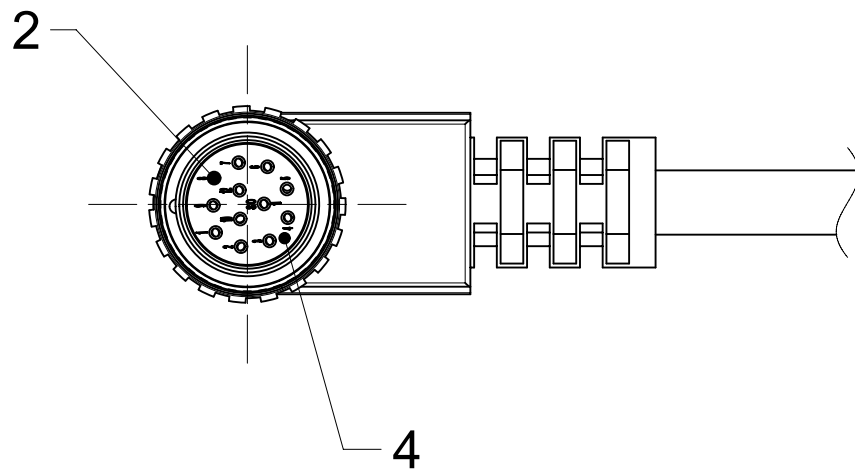
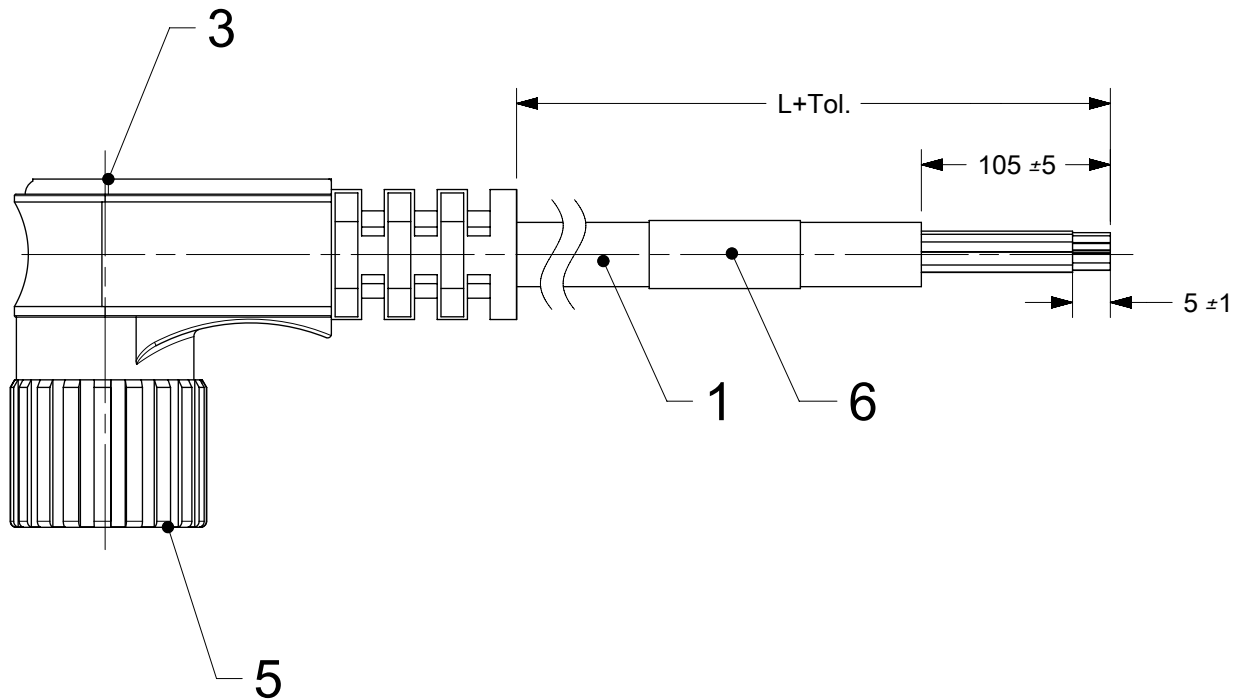
B80-11	
PIN	COLOR
1	WH
2	GN
3	YE
4	GY
5	GY/PK
6	RD/BU
7	WH/GN
8	BR/GN
9	BU
10	
11	BN
12	GN/YE

P80-11	
PIN	COLOR
1	WH
2	GN
3	YE
4	GY
5	PK
6	RD
7	BK
8	VL
9	BU
10	
11	BN
12	GN/YE

PART NO MATRIX



SCALE 1:2



BOM

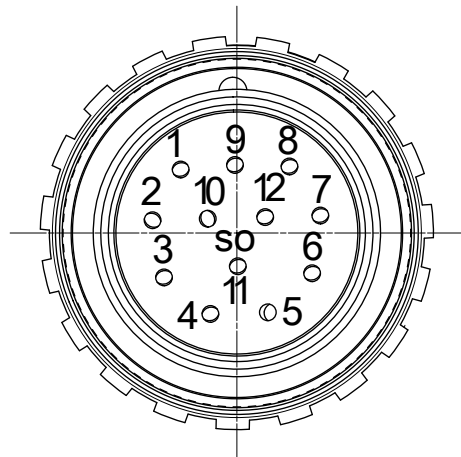
ITEM No.	QTY	DESCRIPTION	MATERIAL	FINISH
6	1	LABEL	-	YELLOW
5	1	M23 FEMALE COUPLING NUT	BRASS	Ni-PLATED
4	1	M23 FEMALE INSERT 12P	TPU	BLACK
3	1	OVERMOULD	TPU	BLACK
2	12	CONTACTS FE	Bronze	Ni-PLATED
1	-	CABLE	SEE MATRIX	BLACK

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE	1:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	CURRENT REV DESC:	
▽ = 0	ANGULAR TOL ± 1.0°		
▽ = 0	4 PLACES ±	EC NO: 601426	
▽ = 0	3 PLACES ±		
▽ = 0	2 PLACES ± 0.05	DRWN: SSM 2018/07/12	
▽ = 0	1 PLACE ± 0.3		
▽ = 0	0 PLACES ± 0.5	CHK'D: SSM 2018/07/13	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
▽ = 0	A3-SIZE	120094	120094

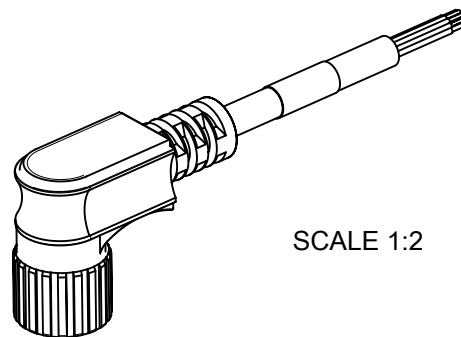
LENGTH	Tolerance
<=1m	+40mm
1-5m	+60mm
>5-10m	+80mm
>10m	+140mm
>20m	160mm
>30m	+1%

molex			
CSE M23 12P SC FE RA WSOR XM SE			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200948148	PSD	00P	A2
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE SHEET 2	GENERAL MARKET	1 OF 2	

M23 12P FEMALE
VIEW FROM FRONT SIDE



B80-11	
PIN	COLOR
1	WH
2	GN
3	YE
4	GY
5	PK
6	RD
7	BK
8	VT
9	BU
10	
11	BN
12	GN/YE



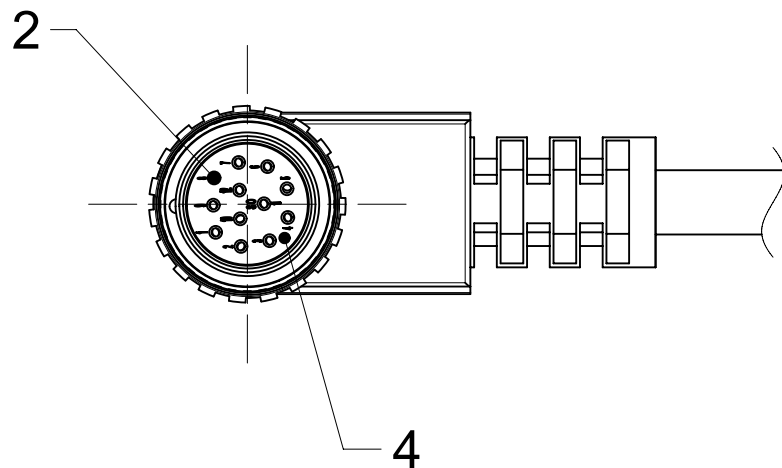
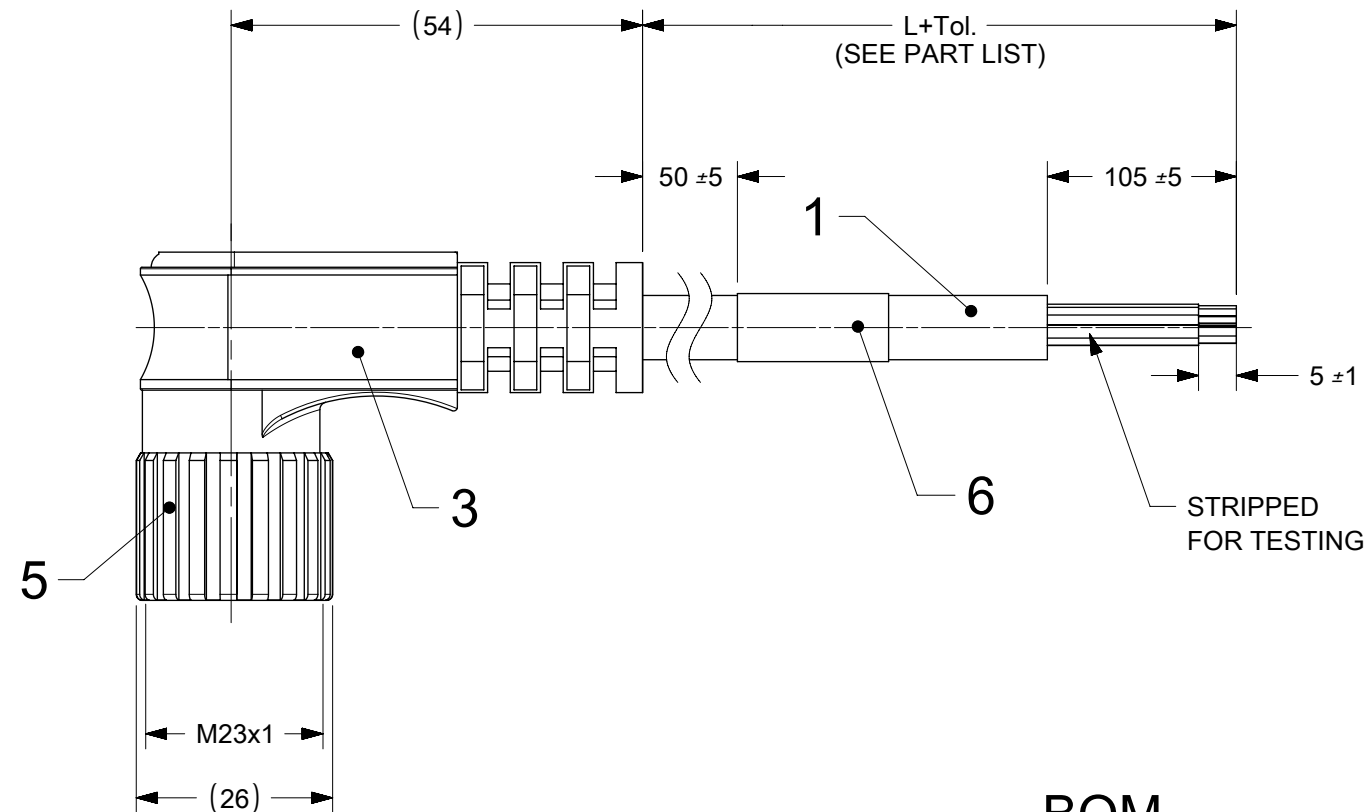
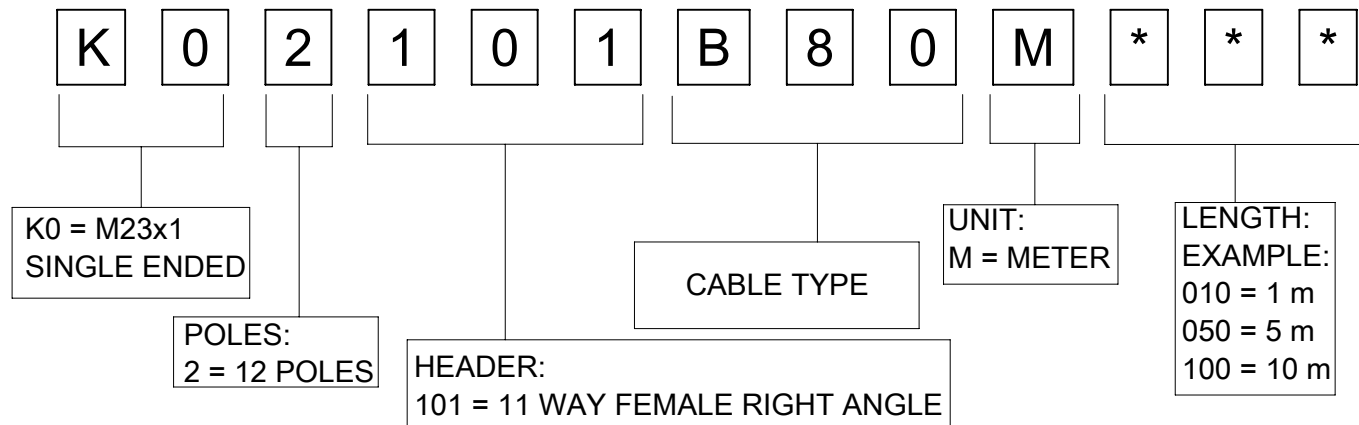
SCALE 1:2

PART LIST

Molex P/N	Engineering P/N	L+Tol.(mm)
1200948148	K02101B80M010	1000+40
1200948149	K02101B80M050	5000+60
1200948150	K02101B80M100	10000+80
1200948151	K02101B80M150	15000+140
1200948152	K02101B80M200	20000+140
1200948153	K02101B80M300	30000+160

DOCUMENT STATUS	P1	RELEASE DATE	2019/06/11	12:56:16
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PART NO MATRIX



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

BOM

6	1	LABEL	-	YELLOW
5	1	M23 FEMALE COUPLING NUT	BRASS	Ni-PLATED
4	1	M23 FEMALE INSERT 12P	TPU	BLACK
3	1	OVERMOULD	TPU	BLACK
2	12	CONTACTS FE	Bronze	Ni-PLATED
1	-	CABLE	SEE MATRIX	BLACK
ITEM No.	QTY	DESCRIPTION	MATERIAL	FINISH

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE	1:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	CURRENT REV DESC: LABEL DIM CORRECTED / L+TOL. DIM CORRECTED(AS PER BXX CABLE MEASURING STANDARD) TOL. UPDATED IN PART LIST	
▽ = 0	ANGULAR TOL	±	1.0 °
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	±	0.05
▽ = 0	1 PLACE	±	0.3
▽ = 0	0 PLACES	±	0.5
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	
▽ = 0		DRAWING	A3-SIZE
▽ = 0		SERIES	120094
		DOCUMENT NUMBER	1200948148
		DOC TYPE	PSD
		DOC PART	000
		REVISION	B
		MATERIAL NUMBER	SEE PART LIST
		CUSTOMER	GENERAL MARKET
		SHEET NUMBER	1 OF 1