TABLE 1: PART LIST

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	1	CABLE 2x0.75 +6x0.34 TPU BK D8.0 TPE UNS	TPU	BLACK
2	1	OVERMOLD	PUR	BLACK
3	1	INSERT	PBT	BLACK
4	14	SOCKET CONTACT	COPPER ALLOY	GOLD
5	1	COUPLER	BRASS	PLATING WHITE BRONZE

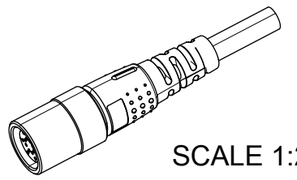
TABLE 2: FINISHED PRODUCTS

OLD MAT-NO.	MATERIAL	DESCRIPTION	LENGTH CABLE [L] (WITH TOLERANCES)	GEOMETRY
L04200B78M050	1300238013	M16 ST CON FOR M8 NANO BOX 5M - 6port	5m +60 mm	STR
L04200B78M100	1300238014	M16 ST CON FOR M8 NANO BOX 10M - 6port	10m +80 mm	STR
L04200B78M150	1300238015	M16 ST CON FOR M8 NANO BOX 15M - 6port	15m +140 mm	STR
L04201B78M050	1300238016	M16 90° CON FOR M8 NANO BOX 5M - 6port	5m +60 mm	RA
L04201B78M100	1300238017	M16 90° CON FOR M8 NANO BOX 10M - 6port	10m +80 mm	RA
L04201B78M150	1300238018	M16 90° CON FOR M8 NANO BOX 15M - 6port	15m +140 mm	RA

TABLE 3: CABLE SPEC

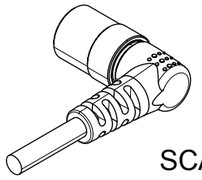
CABLE TYPE	CABLE JACKET	UL	CSA	Temperature range (static) (Bending radius up to 7.5xD)	Temperature range (flexing) (Bending radius up to 12.5xD)	drag chain tested	other
B78-8	TPU black	STYLE 21215	yes	-40°C to +90°C	-25°C to +80°C	5 Mio cycles	WELD SLAG RESISTANCE

GEOMETRY STR (STRAIGHT)



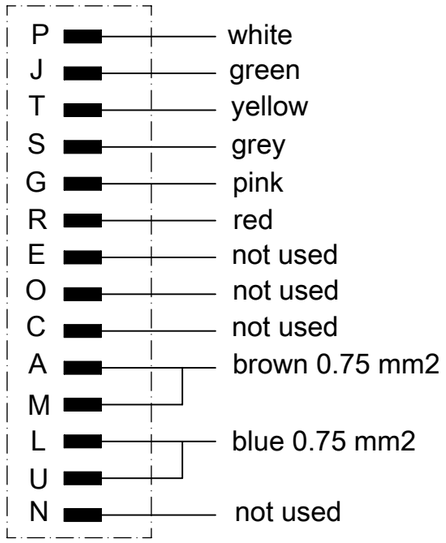
SCALE 1:2

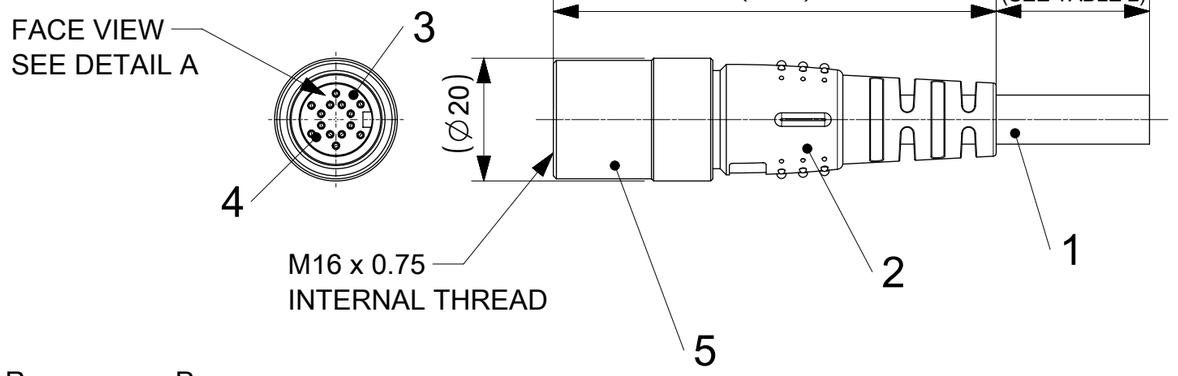
GEOMETRY RA (RIGHT ANGLE)

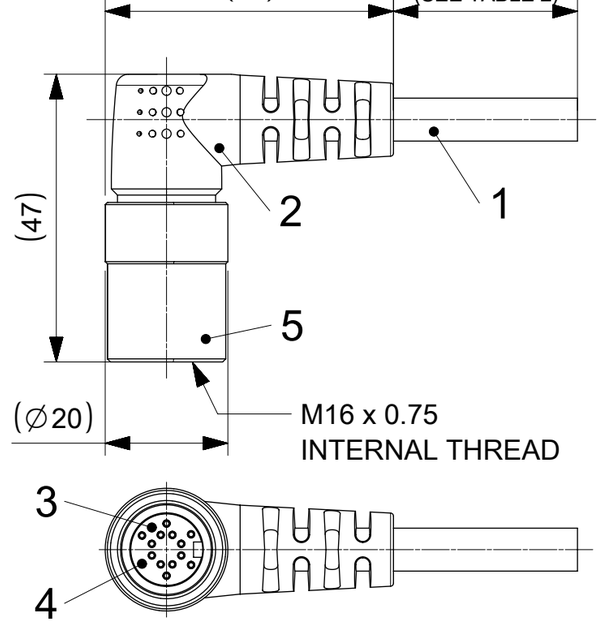


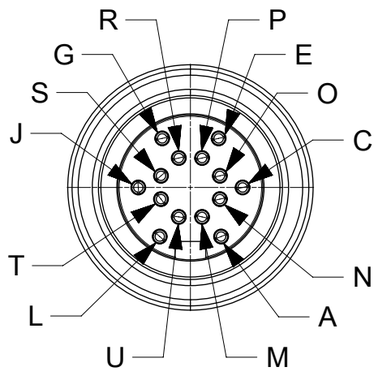
SCALE 1:2

WIRING SCHEMATIC:









M16 FEMALE FACE VIEW
SCALE 2:1

1. MATERIALS : SEE TABLE 1
2. FINISHES: SEE TABLE 1
3. ELECTRICAL DATA:
   MAX. VOLTAGE RATING 60 VAC
   MAX. CURRENT 3 AMPS
4. ENVIRONMENTAL: PROTECTION IP67
   TEMPERATURE RANGE -30°C TO +80°C
5. ASSEMBLY IS RoHS COMPLIANT

DOCUMENT STATUS	P1	RELEASE DATE	2019/09/26 14:43:51

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

SYMBOLS	
FA	= 0
FC	= 0
FE	= 0
S	= 0
▼	= 0
C	= 0
☒	= 0
■	= 0
▽	= 0

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.05
1 PLACE	± 0.3
0 PLACES	± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: KNURLED PART ON SLEEVE POS. CHANGED FOR BETTER HANDLING

EC NO: 623693
DRWN: SSM 2019/08/27
CHK'D: RSILLER 2019/09/26
APPR: RSILLER 2019/09/26

INITIAL REVISION:
DRWN: MSCHAUER 2015/01/27
APPR: CBURGER 2015/02/06

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 130023

molex

CSE M16 14P 6PT AC FE RA+STR TPU SE XM UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1300238013	PSD	000	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 2	GENERAL MARKET	1 OF 1

FORMAT: master-Sheet-A3
REVISION: H
DATE: 2018/01/16