

TABLE 1: PART LIST

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	1	CABLE 2x0.75+ 8x0.34 TPU BK D9.2 TPE UNSH	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
L04100B78M050	1300238019	M16 ST CON FOR M8 NANO BOX 5M - 8port	5m +60 mm	STR
L04100B78M100	1300238020	M16 ST CON FOR M8 NANO BOX 10M - 8port	10m +80 mm	STR
L04100B78M150	1300238021	M16 ST CON FOR M8 NANO BOX 15M - 8port	15m +140 mm	STR
L04101B78M050	1300238022	M16 90° CON FOR M8 NANO BOX 5M - 8port	5m +60 mm	RA
L04101B78M100	1300238023	M16 90° CON FOR M8 NANO BOX 10M - 8port	10m +80 mm	RA
L04101B78M150	1300238024	M16 90° CON FOR M8 NANO BOX 15M - 8port	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
B78-10	TPU black	STYLE 21215	yes	-40°C to +90°C	-25°C to +80°C	5 Mio cycles	WELD SLAG RESISTANCE

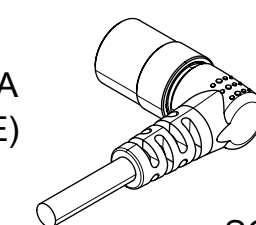
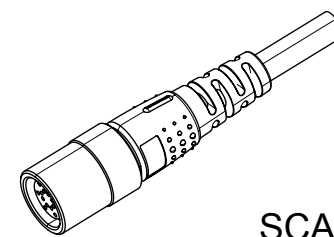
WIRING SCHEMATIC:

P	white
J	green
T	yellow
S	gray
G	pink
R	red
E	black
O	violet
C	not used
A	brown 0.75 mm2
M	
L	blue 0.75 mm2
U	
N	not used

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

GEOMETRY STR
(STRAIGHT)

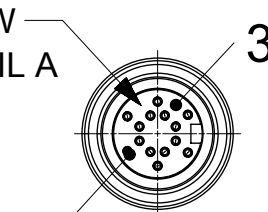
GEOMETRY RA
(RIGHT ANGLE)



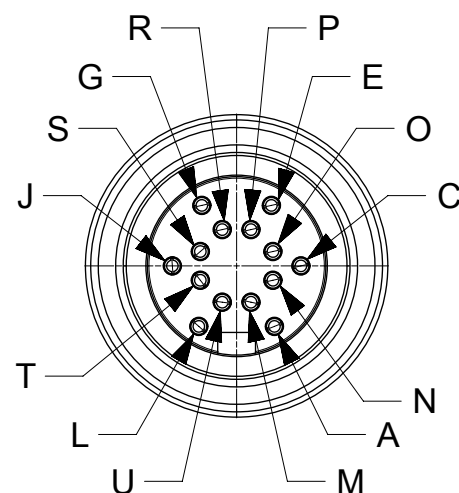
SCALE 1:2

SCALE 1:2

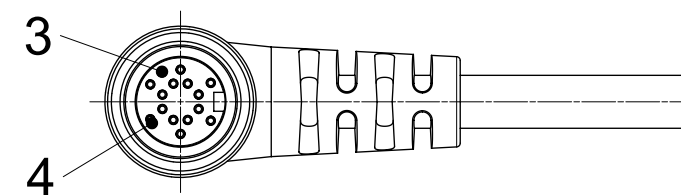
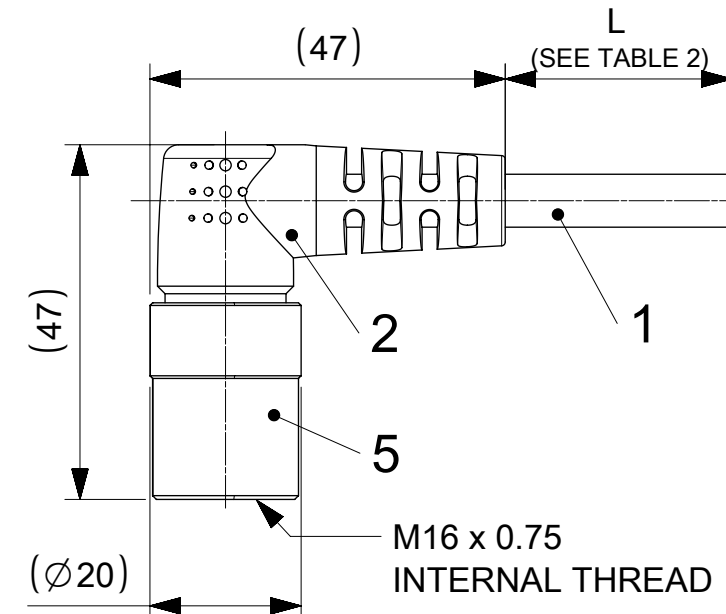
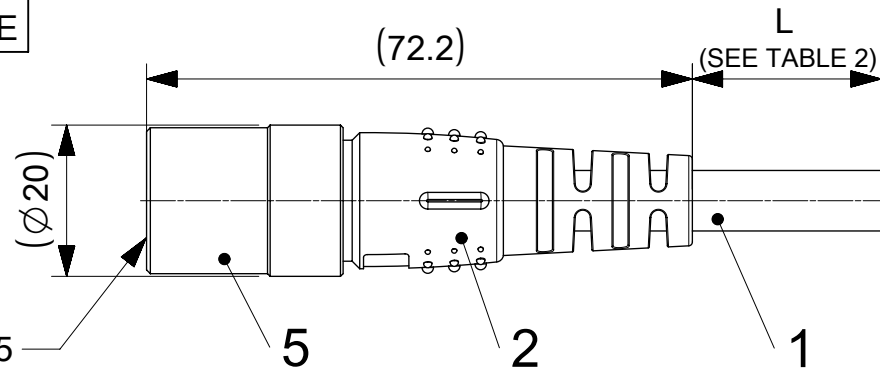
FACE VIEW
SEE DETAIL A



M16 x 0.75
INTERNAL THREAD



M16 FEMALE FACE VIEW
SCALE 2:1



SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	DIMENSION UNITS	SCALE
▽ = 0	mm	1:1
▽ = 0	CURRENT REV DESC: KNURLED PART ON SLEEVE POS. CHANGED FOR BETTER HANDLING	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 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	
▽ = 0	THIRD ANGLE PROJECTION	DRAWING
▽ = 0		A3-SIZE
▽ = 0	SERIES	130023
▽ = 0	MATERIAL NUMBER	SEE TABLE 2
▽ = 0	CUSTOMER	GENERAL MARKET
▽ = 0	SHEET NUMBER	1 OF 1

molex

CSE M16 14P 8PT AC FE RA+STR TPU SE XM UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1300238023	PSD	000	B