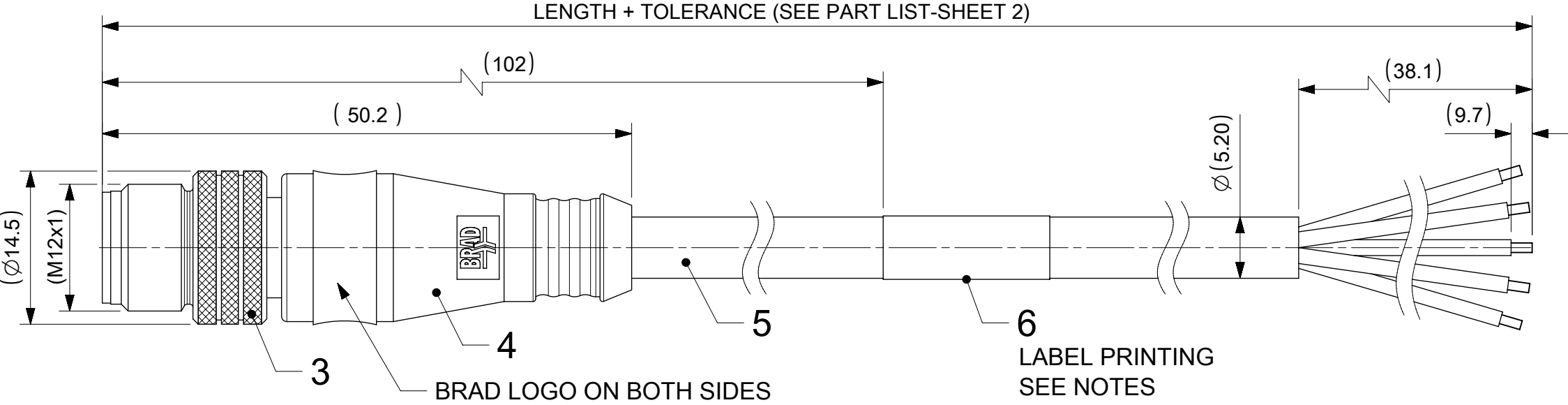
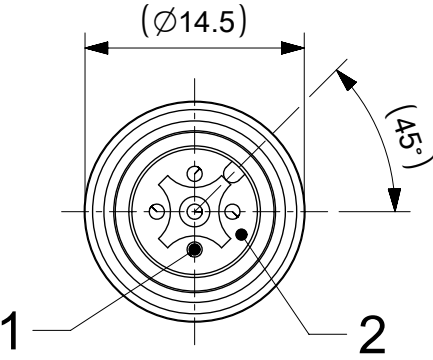


MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V

RATED CURRENT: 3, 4, 5 contacts 4A

PROTECTION CLASS: IP 67 (WHEN MATED)

TEMPERATURE: -20° C TO +105° C

UL RECOGNIZED FILE: E152210

CSA CERTIFIED FILE: LR6837

ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION

LABEL PRINTING

Woodhead Connectivity/Brad Harrison®

CAUTION: NOT FOR INTERRUPTING CURRENT
ATTENTION: NE PAS UTILISER POUR COUPER LE COURRANT

PHONE +48 95 7560 100
P/N:
MPN:

MADE IN POLAND

VOLT AMP DOM PO

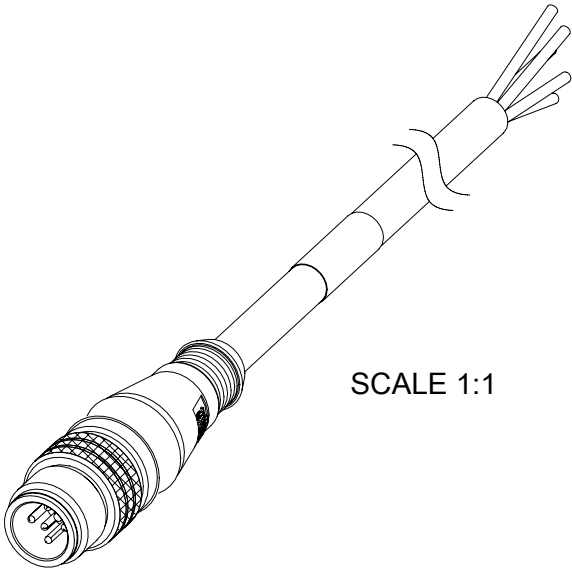
ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

CERTIFICATION SYMBOLS

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
5	---	5	---	5	GRAY OR YELLOW/GREEN
CODING REQUIRED TO IEC 61076-2-101					
DOCUMENT STATUS	P1	RELEASE DATE	2023/07/14	14:26:05	



FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

6	1	WRAP LABEL	VINYL	YELLOW
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLD	TPC	YELLOW
3	1	COUPLING NUT MALE	BRASS	SEE MATRIX
2	1	INSERT MALE	PUR	BLACK
1	3 / 4 / 5	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH /COLOR

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: FIRST RELEASE

EC NO: 756614
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2023/05/09
2023/07/14
2023/07/14

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

120065

SEE PART LIST

GENERAL MARKET

1 OF 2

molex

CSE M12 XP AC MA STR TPE XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200651113

DOC TYPE

PSD

DOC PART

000

REVISION

A

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X006K05XXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
006=Plug Male Straight

Cable type

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

OPTIONS

H= 2 pcs. of I/D Carrier
PVC Transparent
(Cables lxx & P82 always
with 2 pcs. of I/D Carrier
even if no H in
Engineering No.)

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables A09,S19,S20,S26
Blank=Yellow TPE-E for cables K03,K05
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

COUPLING NUTS

CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLTC	I/II A/B 90°C/300V

PART LIST

Part No.	Engineering No.	Cable Length	Part No.	Engineering No.	Cable Length
1200651113	803006K05M006	0.6 m	1200652464	805006K05M040	4 m
1200652219	803006K05M010	1 m	1200652465	805006K05M050	5 m
1200652035	803006K05M015	1.5 m	1200652466	805006K05M060	6 m
1200651114	803006K05M020	2 m	1200652467	805006K05M100	10 m
1200651115	803006K05M025	2.5 m	1200652468	805006K05M150	15 m
1200651116	803006K05M040	4 m	1200652469	805006K05M200	20 m
1200651117	803006K05M050	5 m	1200652470	805006K05M300	30 m
1200651118	803006K05M060	6 m			
1200652437	803006K05M080	8 m			
1200651119	803006K05M100	10 m			
1200651128	804006K05M006	0.6 m			
1200652082	804006K05M010	1 m			
1200651129	804006K05M020	2 m			
1200651363	804006K05M030	3 m			
1200651130	804006K05M040	4 m			
1200651131	804006K05M050	5 m			
1200651132	804006K05M060	6 m			
1200652436	804006K05M080	8 m			
1200651133	804006K05M100	10 m			
1200652049	804006K05M150	15 m			
1200652506	804006K05M250	25 m			
1200652461	805006K05M010	1 m			
1200652462	805006K05M020	2 m			
1200652463	805006K05M030	3 m			

CABLE LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS

FA

= 0

FE

= 0

FE

= 0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

SCALE

CURRENT REV DESC: FIRST RELEASE

mm

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

EC NO: 756614

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: RSCHIEBER

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/05/09

2023/07/14

2023/07/14

2023/05/09

2023/07/14

A3-SIZE

120065

SEE PART LIST

GENERAL MARKET

2 OF 2

molex

CSE M12 XP AC MA STR TPE XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200651113

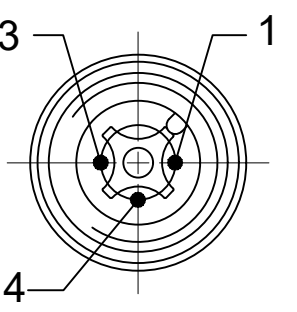
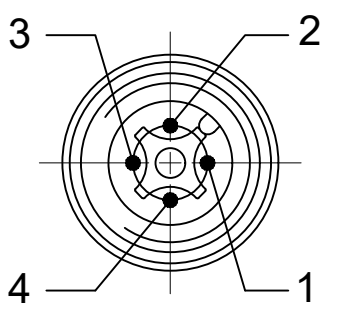
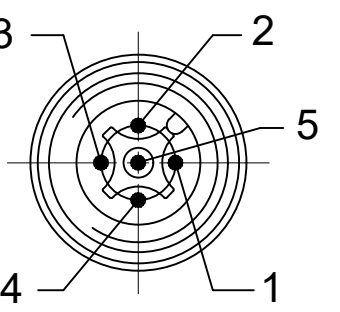
PSD

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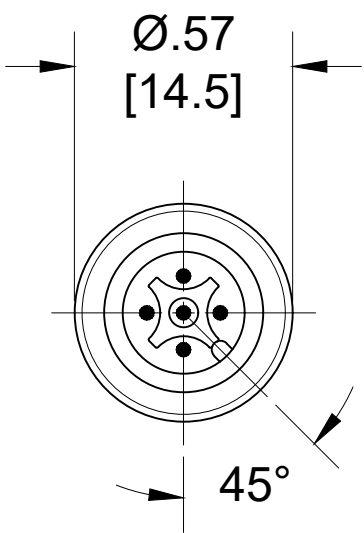
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DOCUMENT STATUS P1 RELEASE DATE 2023/07/14 14:26:05

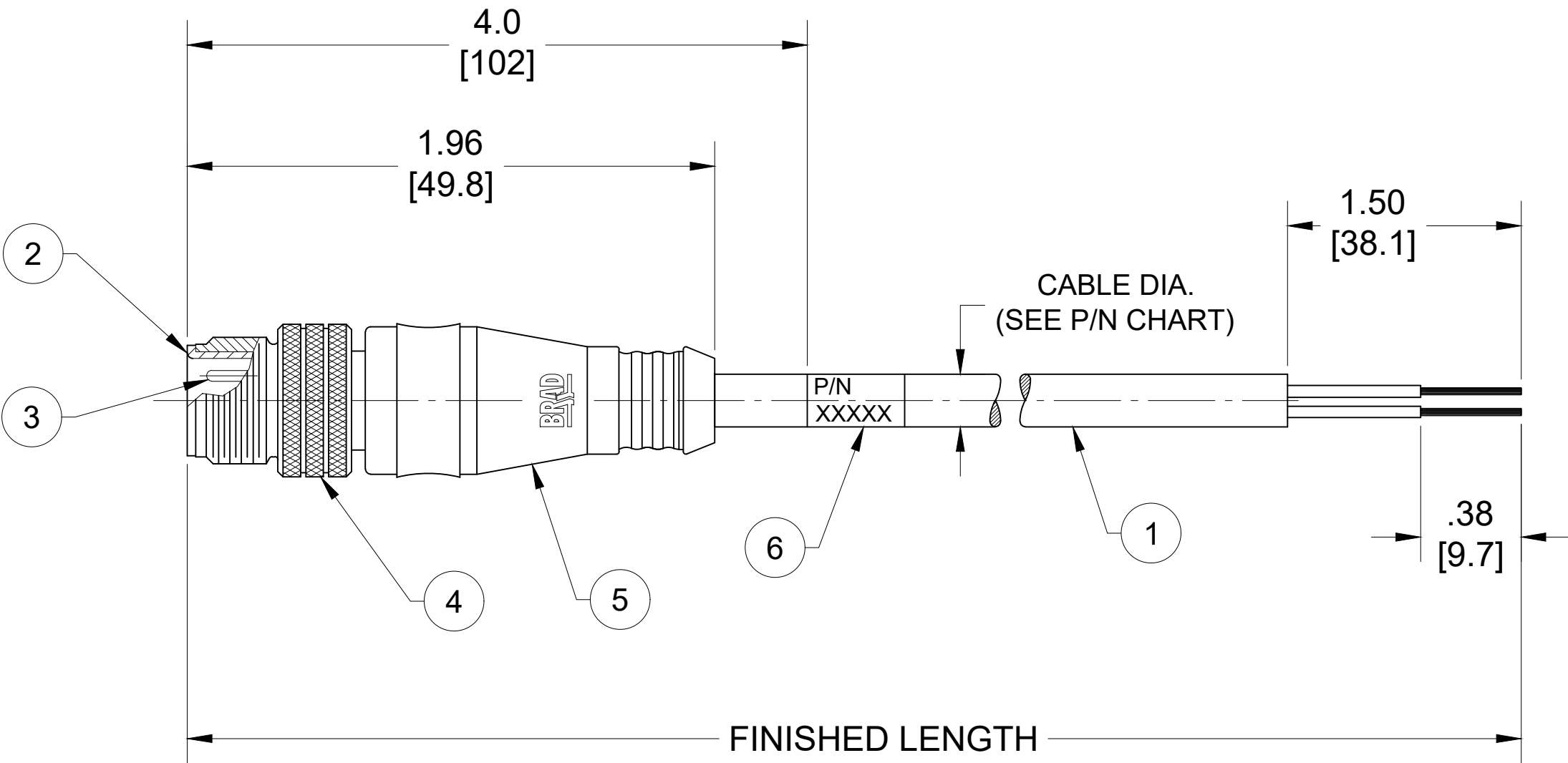
10987654321

FACE VIEW - MALE INSERT		
3 POLE	4 POLE	5 POLE
		
1 BROWN 2 NOT USED 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GRAY

- NOTES:
- 1. MATERIAL: AS NOTED
 - 2. FINISH: AS NOTED
 - 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 - 4. TEMP RATING: -20°TO +105°C
 - 5. PROTECTION: IP67 (WHEN MATED)
 - 6. COUPLING THREAD: M12X1
 - 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
 - 8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200651113	803006K05M006	0.6M [2FT]	3	.20 [5.1]
1200652049	804006K05M150	15M [49FT 2 IN]	4	.21 [5.3]
1200652470	805006K05M300	30M [98FT 5 IN]	5	.23 [5.8]



CABLE FLEX CHARACTERISTICS

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

6	WRAP LABEL	VINYL	BLACK/YELLOW
5	OVERMOLD	TPC	YELLOW
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
2	MALE INSERT	PUR	BLACK
1	#22 AWG CABLE	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

PART NO. MATRIX
803006K05M006

POLES
(3, 4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS FA=0 FE=0 FP=0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ITEM #6 WAS TPE. MODIFIED TEMP RATING & PN CHART			molex MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE, STRAIGHT, SINGLE KEY, #22 AWG TPE HI-FLEX			
	INCH/MM		NTS								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 671333 DRWN: ABENJAMINLW 2021/04/30 CHK'D: RSTONE 2021/07/23 APPR: BWOODMAN 2021/07/28						
	mm		INCH								
	4 PLACES	± ----	± ----								
	3 PLACES	± ----	± ----								
	2 PLACES	± ----	± ----								
	1 PLACE	± ----	± ----								
	0 PLACES	± ----	± ----								
ANGULAR TOL ± ---- °				INITIAL REVISION:			DOCUMENT NUMBER SD-120065-114				
DRWN: RSTONE 2018/11/01 APPR: BWOODMAN 2018/11/30				DOC TYPE PSD							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING C-SIZE		SERIES 120065		MATERIAL NUMBER SEE CHART	
								CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 1	