

M12U 4 POLE
MALE

VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	YE
2	WH
3	OR
4	BU

PART No. MATRIX

E

W

W

A

0

6

0

1

0

M

X

X

X

E=ETHERNET

HEADS:
W=M12 4-Pole Ultra Lock
D-Coding
W=M12 4-Pole Ultra Lock
D-Coding

HEADS STYLE:
060=MALE STR / MALE STR

WIRING TYPE:
A=4 Pole STRAIGHT WIRED

CABLE TYPE

UNITS:
M = METER
T=10x METER

LENGTH EXAMPLES:
005=0.5m
010=1m
150=15m

M12U 4 POLE
MALE

VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	YE
2	WH
3	OR
4	BU

SHIELD CONNECTED TO
COUPLING NUTS

VIEW FROM THE FRONT SIDE

VIEW FROM THE FRONT SIDE

VIEW FROM THE FRONT SIDE

SHIELD CONNECTED TO
COUPLING NUTS

VIEW FROM THE FRONT SIDE

PART LIST

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1201080089	EWWA06010M006	600+45
1201080090	EWWA06010M010	1000 +56
1201080091	EWWA06010M020	2000 +89
1201080092	EWWA06010M050	5000+165
1201080093	EWWA06010M100	10000+317
1201080094	EWWA06010M150	15000+622

DOCUMENT STATUS | P1 | RELEASE DATE | 2022/04/22 | 06:35:58

NOTES :

ACC. TO CAT5e ETHERNET STD.
MAX. VOLTAGE : 30V
MAX. CURRENT : 1.5A
IP RATING : IP67
TEMPERATURE RANGE : -20°C TO +75°C

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
6	2	SLEEVE SHIELD	BRASS	Ni-PLATED
5	1	LABEL	VINYL	YELLOW
4	-	MOULDING MATERIAL	TPU	BLACK
3	2	ULTRALOCK ASSEMBLY MALE	-	-
2	8	CONTACT MALE	BRASS	Au OVER Ni
1	-	ETHERNET CABLE CAT5eES	PUR	GREEN

FUNCTIONAL SYMBOLS: $\sqrt{A}/= 0$, $\sqrt{E}/= 0$, $\sqrt{F}/= 0$
DIVISIONAL SYMBOLS: 3 PLACES, 2 PLACES, 1 PLACE, 0 PLACES
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

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

CURRENT REV DESC:
EC NO: 703538
DRWN: SSM 2022/03/28
CHK'D: RSILLER 2022/04/22
APPR: RSILLER 2022/04/22
INITIAL REVISION:
DRWN: SSM 2022/03/28
APPR: RSILLER 2022/04/22
THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 120108

molex
MIC 4P M/M P ULOCK ST/ST XM
PRODUCT CUSTOMER DRAWING
DOCUMENT NUMBER: 1201080089
DOC TYPE: PSD
DOC PART: 000
REVISION: A
MATERIAL NUMBER: SEE PART LIST
CUSTOMER: GENERAL MARKET
SHEET NUMBER: 1 OF 1

6

5

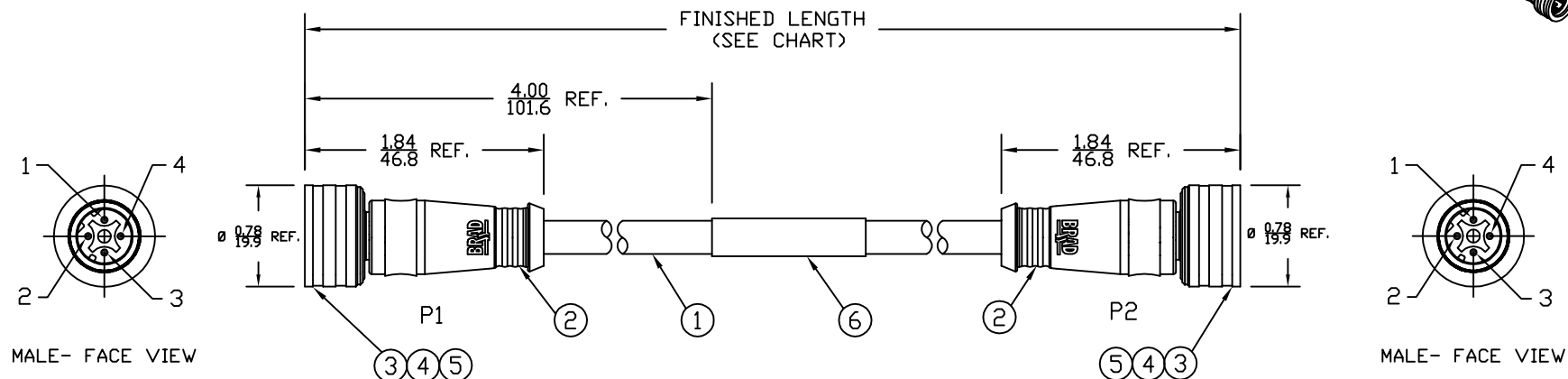
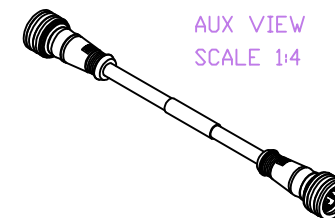
4

3

2

1

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080090	EWWA06010M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1201080092	EWWA06010M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]



P1		P2
1	YELLOW	1
2	WHITE	2
3	ORANGE	3
4	BLUE	4

WIRING DIAGRAM

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #22/4 SHIELDED PUR
- 4) ELECTRICAL DATA:
ACCORDING TO CAT5e ETHERNET STANDARD
MAX. VOLTAGE: 30V
MAX. CURRENT 1.5A
- 5) ENVIRONMENTAL:
PROTECTION IP67
TEMPERATURE RANGE: -20°C TO 75°C
- 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,
VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.

6	1	LABEL	PLASTIC FILM	BLACK/YELLOW
5	2	INSERT	PUR	BLACK
4	8	PIN CONTACT	COPPER ALLOY	GOLD PLATED
3	2	M12 ULTRA-LOCK HEAD ASSY	BRASS	NICKEL
2	2	OVERMOLD	PUR	BLACK
1	1	ETHERNET CABLE-CAT5E	PUR JACKET	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

SD RELEASE EC NO: WEL2010-0005 7/9/09 DRWN: VOU CHKD: BWOODMAN APPR: JFMURPHY 2009/07/20 DESCRIPTION		QUALITY SYMBOLS ▽=0 ▽C=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 3:4	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
				4 PLACES		mm	INCH	DRAWN BY		DATE	TITLE	
				3 PLACES		±----	±----	VOU		2009/07/06	M12 ULOCK CABLE ASSY 4P M/MP ST/ST D-CODE #22/4 SHIELDED PUR	
				2 PLACES		±----	±.005	CHECKED BY		DATE		
				2 PLACES		±----	±.010	BWOODMAN		2009/07/31		
				1 PLACE		±----	±.020	APPROVED BY		DATE		
				1 PLACE		±----	±.020	---		---	molex MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
				SEE CHART		SD-120108-009		1 OF 1				
				SIZE A								
1		REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								