

6

5

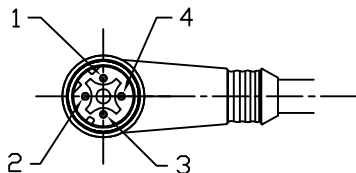
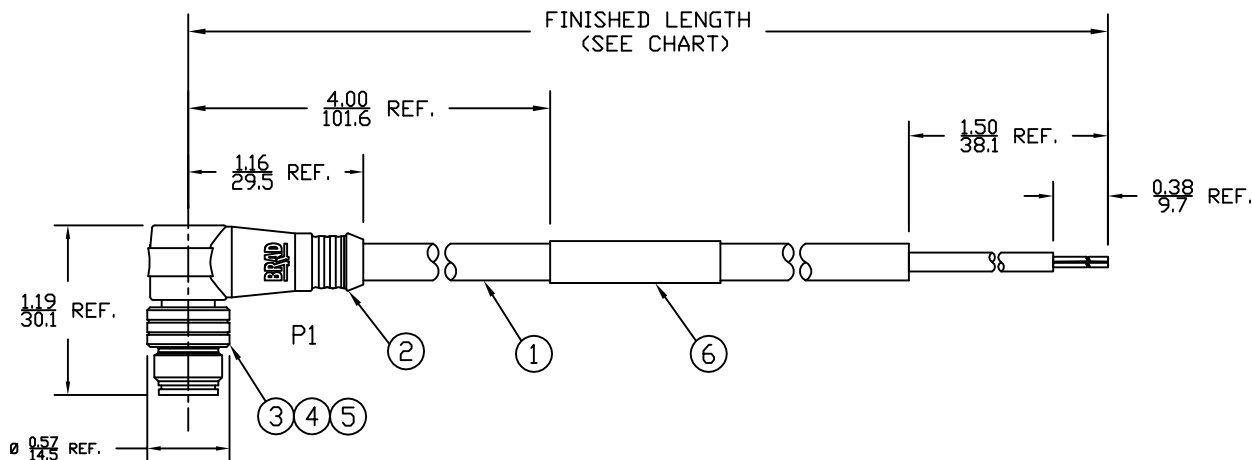
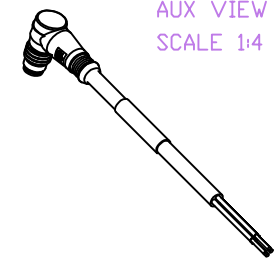
4

3

2

1

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1300480078	E10A00715M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1300480080	E10A00715M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]



P1	
1	WHITE/ORG
2	WHITE/GRN
3	ORANGE
4	GREEN

WIRING DIAGRAM

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #26/4 SHIELDED PVC
- 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.

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

SD RELEASE EC NO: WELU2010-0005 7/10/09 DRWN: VOU CHKD: BWOODMAN APPR: JFMURPHY 2009/07/20	QUALITY SYMBOLS	DESCRIPTION
	▽=0	
	▽C=0	
	1	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±.005
2 PLACES	±----	±.010
1 PLACE	±----	±.020
ANGULAR ± 1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
IN	MM
DRAWN BY	DATE
VOU	2009/07/06
CHECKED BY	DATE
BWOODMAN	2009/07/31
APPROVED BY	DATE
---	---
MATERIAL NO.	
SEE CHART	
SIZE	
A	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
3:4	INCH	
TITLE		
MICRO-CHANGE CABLE ASSY 4P M/MP 90 D-CODE #26/4 SHIELDED PVC		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-120108-018		1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

6

5

4

3

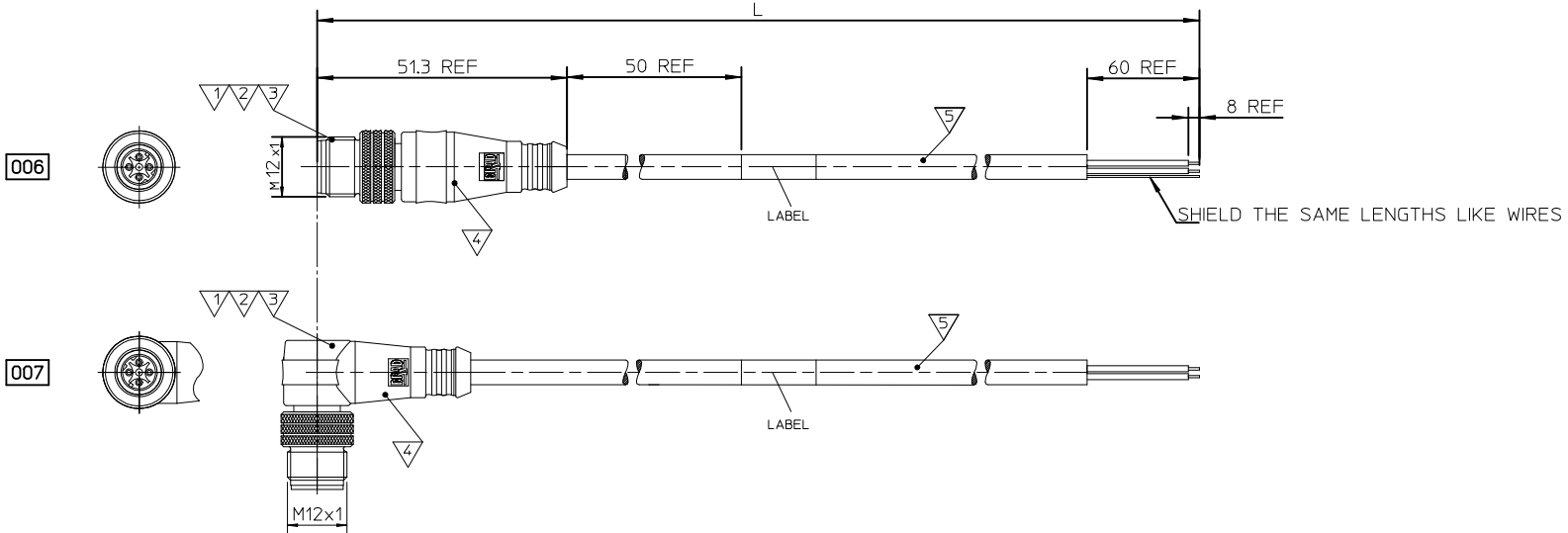
2

1

MALE FACE VIEW
4-POLE

WIRING DIAGRAM

1 WHITE/ORANGE
2 WHITE/GREEN
3 ORANGE
4 GREEN



E 1 0 A X X X 1 5 X X X X X

Network Protocol E=Ethernet	First Connector 1=M12 Threaded 4 Pole D-code	second Connector 0=No connector	Wiring Scheme A=4 Pole	HEAD TYPE 006 Plugs male and single ended 007 Plugs male 90° and single ended	Cable type 26AWG 7/34 STRANDED TINNED COPPER PVC, TEAL	LENGTH UNIT C-cm M-m K-km F-feet	LENGTH Example: 020 - 2M 060 - 6M 100 - 10M	OPTIONS D- Decoupled (for Shielded version only)
--------------------------------	---	------------------------------------	---------------------------	---	---	--	---	---

Over	Up to and including	Tolerance (*)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	2 % of length

CONNECTOR SPECIFICATION:

VOLTAGE RATING	max 30V
AMPERAGE RATING	1.5 A
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 75°C

ITEM	PART	MATERIAL	FINISH
5	CABLE	1302100082	---
4	OVERMOULDING	TPU UF NATURAL C98A10	---
4	OVERMOULDING	MASTERBATCH COLORANT	---
3	COUPLING NUT	SEE SPECIAL TYPES	---
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK
ITEM	PART	MATERIAL	FINISH

DRAWING UPDATED
EC NO: IPG2013-1486
DRW:MDYSZEWSKA 2013/03/26
CHKD:
APPR:MIWASIECZKO 2013/05/09

QUALITY SYMBOLS
▽=0
∇=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.10
3 PLACES	± 0.15
2 PLACES	± 0.20
1 PLACE	± 0.30
0 PLACE	± 0.40
ANGULAR ± 0.5°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
MDYSZEWSKA	2012/11/24
CHECKED BY	DATE
HWALCZAK	2012/11/24
APPROVED BY	DATE
MIWASIECZKO	2013/01/21
MATERIAL NO.	

SCALE	---
DESIGN UNITS	METRIC
FIRST ANGLE PROJECTION	
TITLE	CSE ETH 4P DC MA PVC SE SHLD NI
molex	
DOCUMENT NO.	SD-130048-007
SHEET NO.	1 OF 2
SEE PAGE 2	
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SEE CHART 1

1201080140	E10A00615M030
1300480053	E10A00615M006
1300480054	E10A00615M010
1300480055	E10A00615M020
1300480056	E10A00615M050
1300480057	E10A00615M100
1300480058	E10A00615M150
1300480059	E10A00615M300
1300480289	E10A00615M500
1300488006	E10A00615M200
1300480077	E10A00715M006
1300480078	E10A00715M010
1300480079	E10A00715M020
1300480080	E10A00715M050
1300480081	E10A00715M100
1300480290	E10A00715M200

ORIGINAL RELEASE EC NO: IPG2013-0932 DRWN:MDYSZEWSKA 2012/11/24 CHKD:HWALCZAK 2012/11/24 APPR:MIWASIECZKO 2013/01/21	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION			
					mm INCH	DRAWN BY DATE MDYSZEWSKA 2012/11/24	TITLE CSE ETH 4P DC MA PVC SE SHLD NI					
					4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---		CHECKED BY DATE HWALCZAK 2012/11/24					
					ANGULAR ± --- °		APPROVED BY DATE MIWASIECZKO 2013/01/21					
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART 1					
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						