

NOTES:

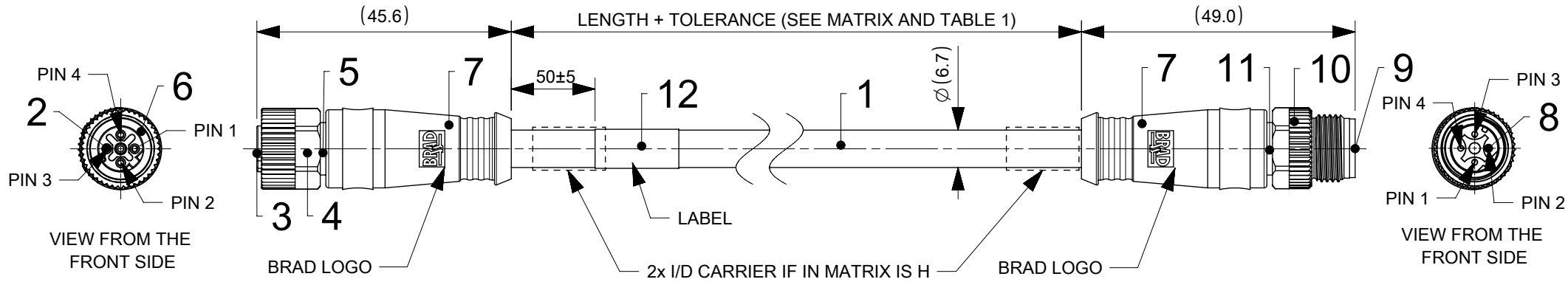
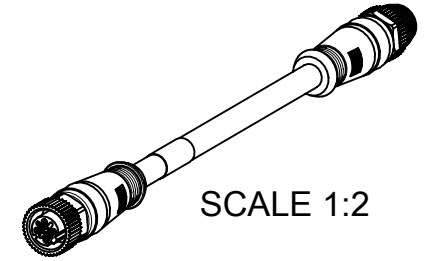
ELECTRICAL DATA:

VOLTAGE RATING: 250 V
 AMPERAGE RATING: 4 A
 INSULATION RESISTANCE: 10⁸ Ω MIN.
 MATING CYCLES: MIN. 100

ENVIRONMENTAL:

PROTECTION: IP 67
 OPERATING TEMPERATURE: -25°C TO +85°C

WIRING DIAGRAM



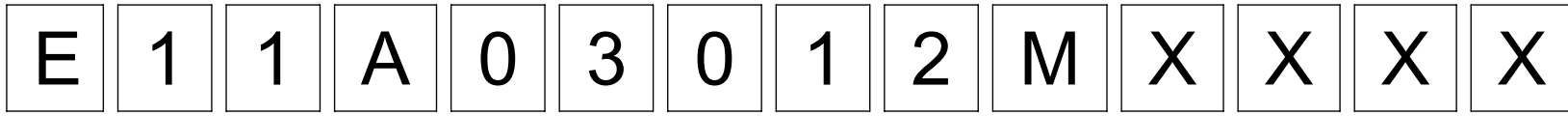
BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
12	1	LABEL WH	-	-
11	1	SLEEVE MA	BRASS	Ni PLATED
10	1	LOCKING NUT MA	BRASS	Ni PLATED
9	1	INSERT MA 4P DCODE BK	PUR	-
8	4	TERMINAL MA	COPPER ALLOY	Au OVER Ni
7	-	MOLDING MATERIAL BK	TPU	-
6	1	GASKET ORING RD	FPM	-
5	1	SLEEVE FE	BRASS	Ni PLATED
4	1	LOCKING NUT FE	BRASS	Ni PLATED
3	1	INSERT FE 4P DCODE BK	PUR	-
2	4	TERMINAL FE	COPPER ALLOY	Au OVER Ni
1	-	CABLE 2x2x22AWG D6.7 GN	TPU-SPEC	-
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED			
∇ = 0	mm	1:1		EC NO: 681213 DRWN: RSCHIEBER 2021/10/05 CHK'D: RSILLER 2021/10/14 APPR: RSILLER 2021/10/14 INITIAL REVISION: DRWN: DSTACHOWIAK 2017/01/24 APPR: MIWASIECZKO 2017/01/25					
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)								
∇ = 0	ANGULAR TOL ± 1.0°								
∇ = 0	4 PLACES	±							
∇ = 0	3 PLACES	±							
∇ = 0	2 PLACES	± 0.05		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 1201088381 DOC TYPE: PSD DOC PART: 000 REVISION: A2					
∇ = 0	1 PLACE	± 0.3							
∇ = 0	0 PLACES	± 0.5		MATERIAL NUMBER: SEE TABLE 1		CUSTOMER: GENERAL MARKET		SHEET NUMBER: 1 OF 2	
∇ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING: A4-SIZE		SERIES: 120108		

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/14	06:13:10
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PART NO. MATRIX



E=EtherCat
 HEADS:
 1 = M12 D-Coding
 1 = M12 D-Coding
 HEADS STYLE:
 030 = FEMALE STR / MALE STR
 UNITS:
 M= METER
 T=10x METER
 LENGTH EXAMPLES:
 005=0.5
 010=1
 150=15
 H= 2 PCS. OF I/D Carrier
 WIRING TYPE:
 A=4 Pole (STRAIGHT WIRED)
 CABLE TYPE
 SEE CABLE TABLE

CABLE SPECIFICATION

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	TEMPERATURE RANGE: STATIC	TEMPERATURE RANGE: DYNAMIC	DRAG CHAIN TESTED	SHIELD
12	0.34 mm ²	TPU BASED	STYLE 21215	YES	-40°C TO +80°C	-20°C TO +60°C	2 MIO CYCLES	YES

TABLE 1

MOLEX PN	ENGINEERING NO	LENGTH+TOLERANCE [mm]
1201088381	E11A03012M050	5000+60
1201088382	E11A03012M060	6000+80
1201088503	E11A03012M150	15000+140
1201088524	E11A03012M005	500+40
1201088580	E11A03012M100	10000+80
1201088772	E11A03012M020	2000+60
1201088798	E11A03012M010	1000+40

SYMBOLS DIMENSION UNITS: mm SCALE: 1:1 CURRENT REV DESC: NEW P/N ADDED EC NO: 681213 DRWN: RSCHIEBER 2021/10/05 CHK'D: RSILLER 2021/10/14 APPR: RSILLER 2021/10/14 INITIAL REVISION: DRWN: DSTACHOWIAK 2017/01/24 APPR: MIWASIECZKO 2017/01/25 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A4-SIZE SERIES: 120108 MATERIAL NUMBER: SEE TABLE 1 CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	CSE M12 4P DCODE MA STR TPU FE STR XM		
	PRODUCT CUSTOMER DRAWING		
DOCUMENT NUMBER: 1201088381 DOC TYPE: PSD DOC PART: 000 REVISION: A2			

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/14	06:13:10
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