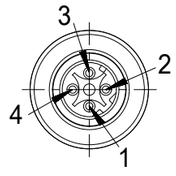
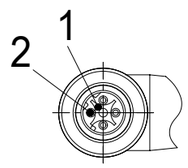
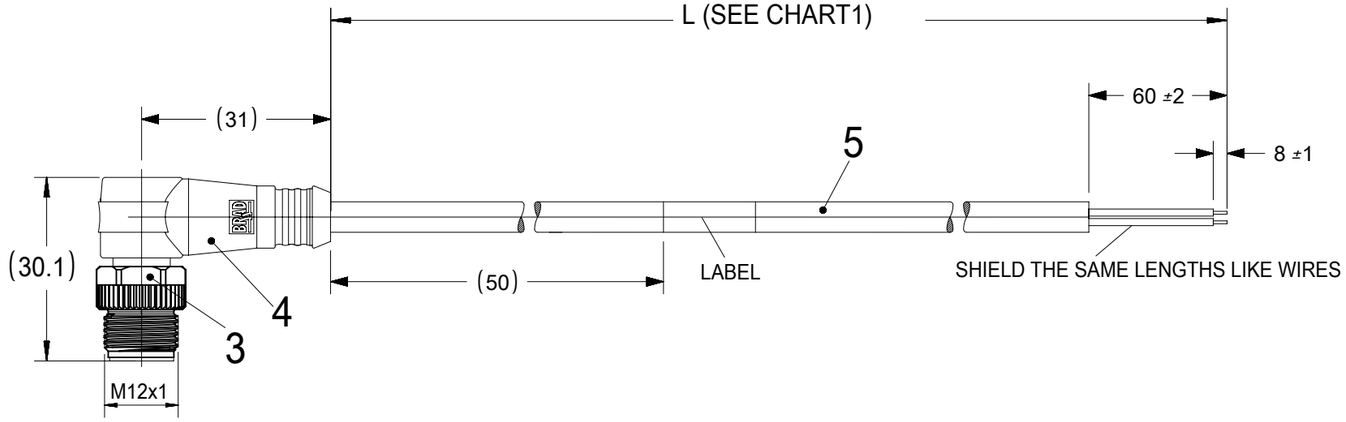
MALE FACE VIEW
4-POLE



WIRING DIAGRAM	
1	YELLOW
2	WHITE
3	ORANGE
4	BLUE





E	1	0	A	X	X	X	1	2	X	X	X	X	X

- Networ Protocol: E=Ethernet
- First Connector: 1=M12 Threaded 4 Pole D-code
- Second Connector: 0=No Connector
- Wiring Scheme: A=4 Pole
- HEAD TYPE: 007 Plugs male 90° and single ended
- Cable type: 2x2x22AWG TPU, GREEN, SHIELD
- LENGTH UNIT: C-cm, M-m, K-km, F-feet
- LENGTH Example: 020 - 2M, 050 - 5M, 100 - 10M, 200 - 20M
- OPTIONS: D- Decoupled (for Shielded version only)

CABLE INFORMATION :								
CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	STATIC	FLEXING	DRAG CHAIN TESTED	OTHER
CAB-12 4P	0.34mm²	TPU GREEN	STYLE 21215	YES	-40°C to +80°C >5xO.D	-20°C to +60°C >15xO.D	2 mio cycles	WELD SLAG RESISTANCE

FOR CABLE SPECIFICATION SEE 1202098313 / SD-120209-007

CONNECTOR SPECIFICATION:	
VOLTAGE RATING	max 30V
AMPERAGE RATING	1.5 A
PROTECTION	IP67
OPERATING TEMPERATURE	SEE SHEET 2

BOM

ITEM	DESCRIPTION	MATERIAL	FINISH
5	CABLE	TPU	GREEN
4	OVERMOULDING	TPU	BLACK
3	COUPLING NUT MA SW13	BRASS	NICKEL PLATED
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK

TABLE OF LENGHT TOLERANCES		
OVER (m)	UP TO AND INCLUDING (m)	TOLERANCE (mm)(+)
0	1	+40/0
1	5	+60/0
5	10	+80/0
10	20	+140/0
20	30	+160/0
30	-	1% of lenght

CHART 1

MOLEX PN	ENGINEERING NO	LENGTH (MM)
1300480312	E10A00712M020	2000
1300480300	E10A00712M050	5000
1300480301	E10A00712M100	10000
1300480302	E10A00712M200	20000
1300488191	E10A00712M005	500
1300488209	E10A00712M015	1500

DOCUMENT STATUS	P1	RELEASE DATE	2019/03/05	11:14:18

SYMBOLS: F = 0, E = 0, B = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, V = 0

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

DIMENSION UNITS: mm — SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD NEW PN

EC NO: 613101
DRWN: MDHARMANTI 2019/03/04
CHK'D: RSILLER 2019/03/05
APPR: RSILLER 2019/03/05

INITIAL REVISION:
DRWN: BBRAUCH 2014/10/16
APPR: CBURGER 2014/10/16

THIRD ANGLE PROJECTION — DRAWING: A3-SIZE — SERIES: 130048

molex

CSE M12 ETH 4P DC MA
RA WSOR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130048-013	PSD	001	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART 1	WOODHEAD	1 OF 1

FORMAT: master-tb-mod-A3
REVISION: H
DATE: 2018/01/18