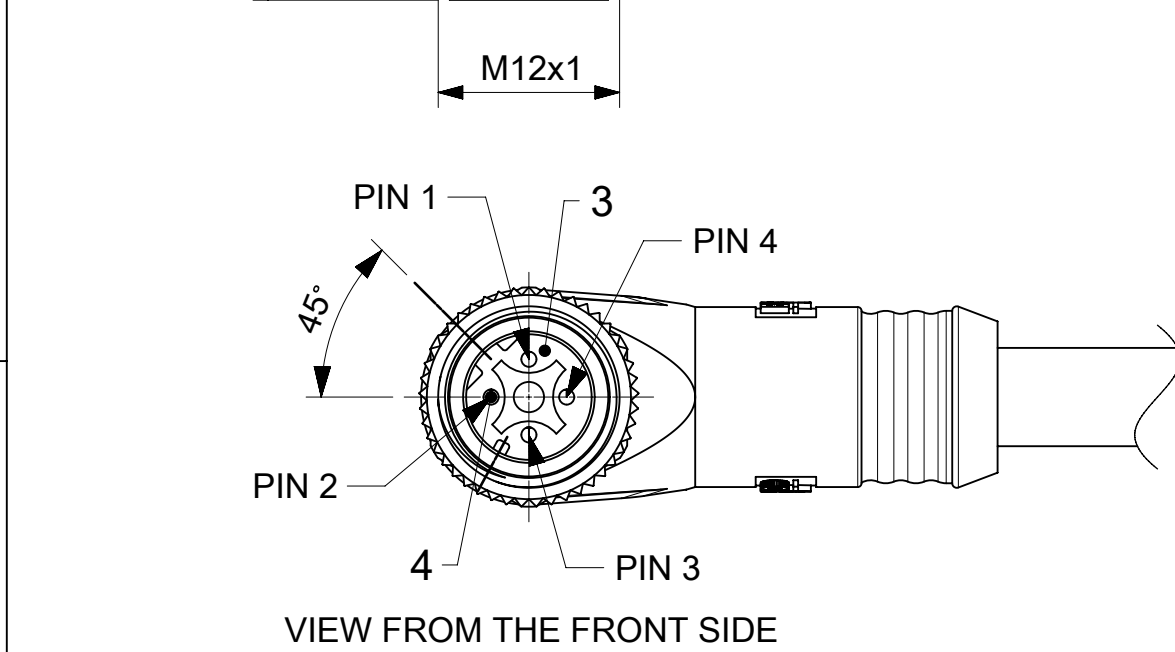
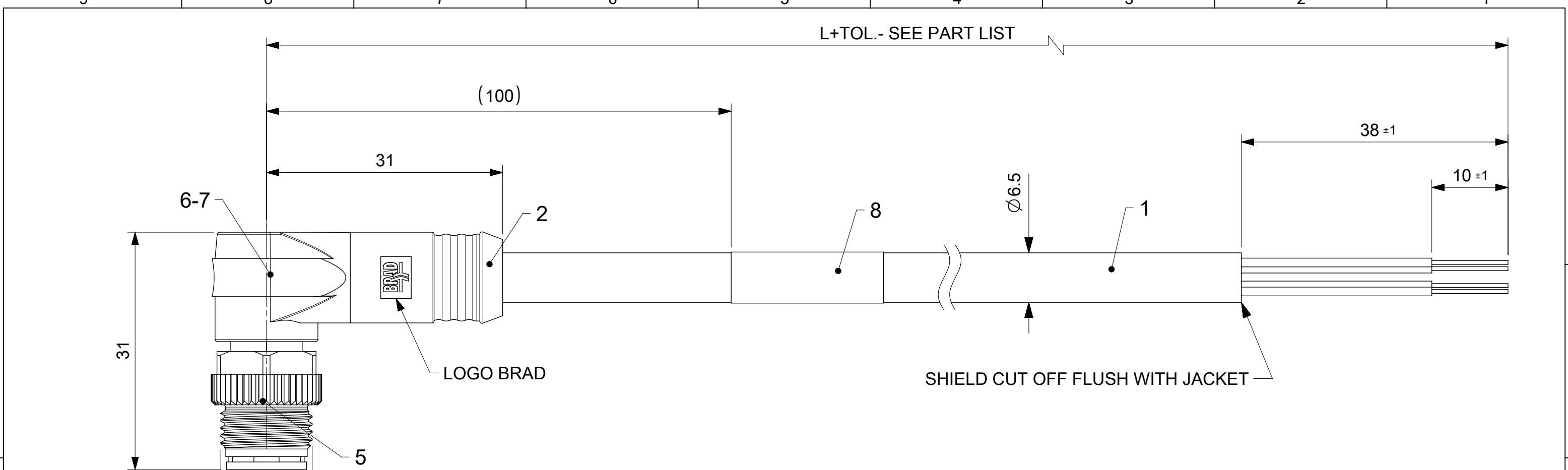




CABLE:	
TEMPERATURE RATING (STORAGE)	-40 / +80°C
TEMPERATURE RATING (OPERATION)	-20 / +50°C
WELD SLAG RESISTANCE	YES, S-300 MOLEX TEST
FREE SUBSTANCE'S	FCKW, SILICONE, AND PB
FIRE PERFORMANCE	IEC60332-1, UL1581
OIL RESISTANCE	ISO6722, UL758/2556

PART LIST

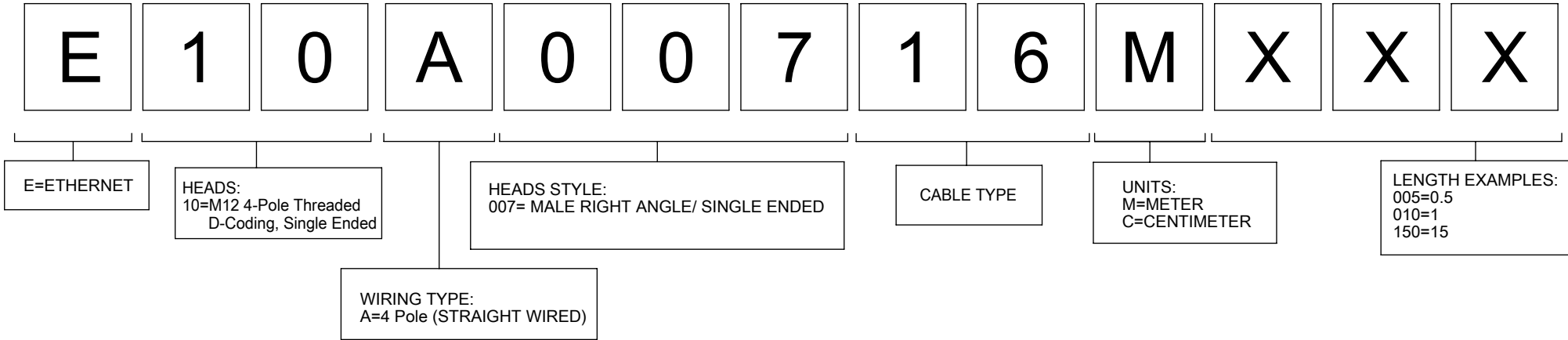
PART NO	ENGINEERING NO	L+TOL [mm]
1201089159	E10A00716M010	1000+56
1201088538	E10A00716M020	2000+89
1201088788	E10A00716M030	3000+89
1201088539	E10A00716M050	5000+165
1201088540	E10A00716M100	10000+317
1201088541	E10A00716M200	20000+622

NOTES:
ELECTRICAL DATA:
VOLTAGE RATING: 125V ^(A1)
AMPERAGE RATING: 1.5A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100

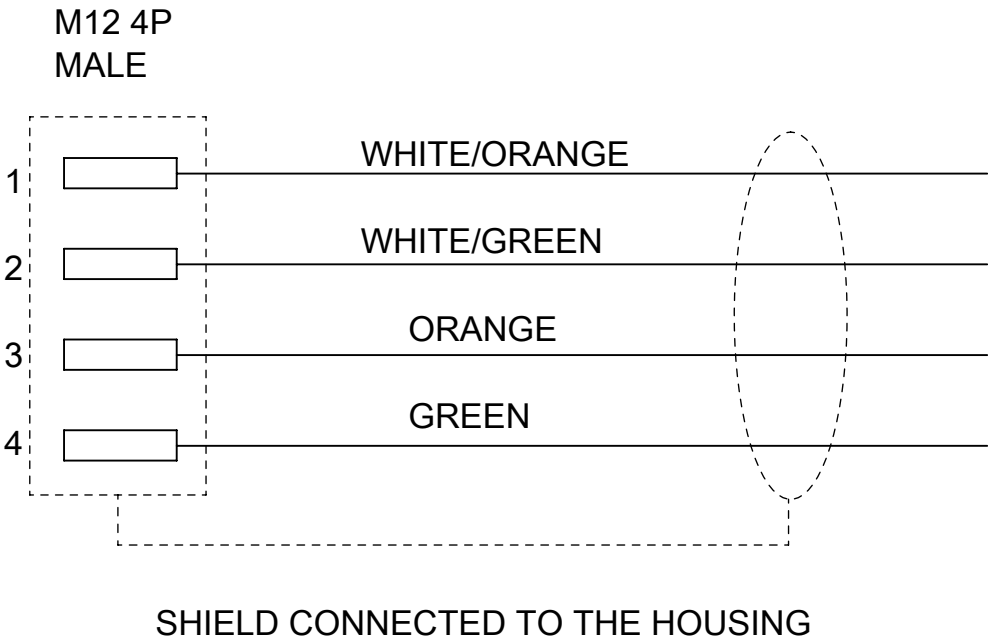
ENVIRONMENTAL:
PROTECTION: IP67 in mated and locked position.

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

PART No MATRIX



WIRING DIAGRAM

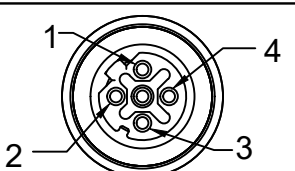


BOM

8	1	LABEL 50x69	ABS	WHITE
7	1	M12 SLEEVE RA	BRASS	Ni-PLATED
6	1	M12 SLEEVE RA	BRASS	Ni-PLATED
5	1	M12 MALE NUT HEX	BRASS	Ni-PLATED
4	4	CONTACT 10 MALE	BRASS	GOLD OVER NICKEL
3	1	INSERT M12 MA 4P	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x24AWG O.D. 6.5MM	TPU	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2023/04/18	06:49:27

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
 = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED VOLTAGE & CURRENT RATINGS						molex CSE M12 ETH 4P DC MA RA WSOR XM SE SHLD BK BRA AU					
 = 0	mm		2:1													
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)															
 = 0	ANGULAR TOL ± °															
 = 0	4 PLACES		±		EC NO: 746321						PRODUCT CUSTOMER DRAWING					
 = 0	3 PLACES		±		DRWN: VHANDI 2023/04/17											
 = 0	2 PLACES		± 0.05		CHK'D: RSILLER 2023/04/18											
 = 0	1 PLACE		± 0.3		INITIAL REVISION:						DOCUMENT NUMBER					
 = 0	0 PLACES		± 0.5		DRWN: ARPITT 2023/03/17						1201088539					
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOC TYPE		DOC PART		REVISION	
= 0							A3-SIZE		120108		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
									SEE PART LIST		GENERAL MARKET		2 OF 2			

FRONT VIEW - MALE M12



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

NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 125V
CURRENT: 1.5A
4. PROTECTION: IP67 (WHEN MATED)
5. COUPLING THREAD: M12X1
6. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

ADDITIONAL CABLE INFORMATION

PHYSICAL CHARACTERISTICS:	
CONDUCTOR SIZE	24AWG 2 PAIR (19/0.12mm) BARE COPPER
INSULATION MATERIAL	POLYOLEFIN
SHIELD/BRAID	TINNED COPPER 85% COVERAGE
JACKET MATERIAL	TPU (TEAL)
CONDUCTOR	ORANGE, ORANGE-WHITE & GREEN, GREEN-WHITE
TAPE	ALUMINUM-POLYESTER

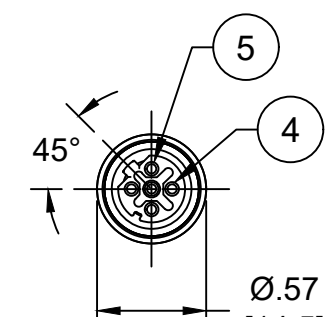
CABLE:	
TEMPERATURE RATING (STORAGE)	-40 / +80°C
TEMPERATURE RATING (OPERATION)	-20 / +50°C
WELD SLAG RESISTANCE	YES, S-300 MOLEX TEST
FREE SUBSTANCE'S	FCKW, SILICONE, AND PB
FIRE PERFORMANCE	IEC60332-1, UL1581
OIL RESISTANCE	ISO6722, UL758/2556

PART NUMBER LEGEND

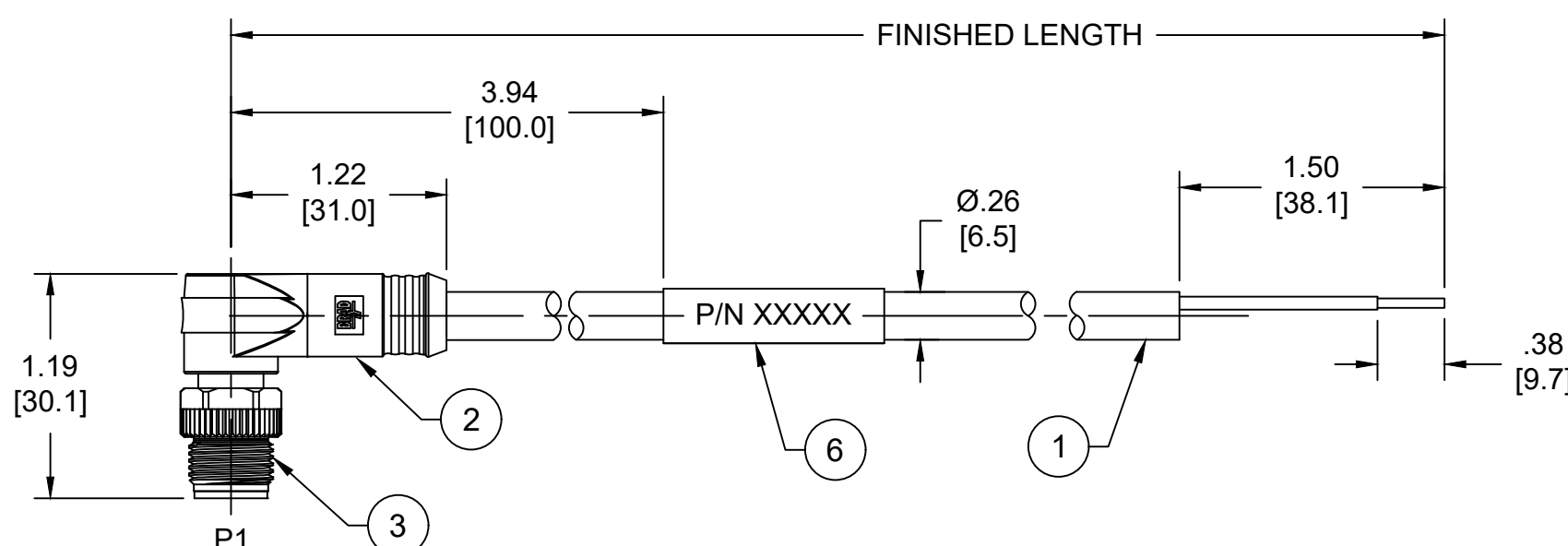
E10A00716M020

FINISHED LENGTH
M002 - 0.2 METER
M010 - 1 METER
M200 - 20 METER

FACE VIEW - MALE



WIRING DIAGRAM



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

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INCH/MM

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

±----

±----

3 PLACES

±----

±----

2 PLACES

±----

±----

1 PLACE

±----

±----

0 PLACES

±----

±----

ANGULAR TOL

±

°

DRAFT WHERE APPLICABLE

MUST REMAIN

WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

B-SIZE

SERIES

120108

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

EC NO: 703079

DRWN: ABENJAMINLW

CHK'D: RSTONE

APPR: BWOODMAN

INITIAL REVISION:

DRWN: RSTONE

APPR: BWOODMAN

CURRENT REV DESC: ITEM-1 WAS PUR. MODIFIED PN CHART

2022/03/15

2022/04/12

2022/04/18

2017/08/04

2017/08/11

DOCUMENT NUMBER

SD-120108-100

DOC TYPE

PSD

DOC PART

001

REVISION

A

DOCUMENT STATUS

P1

RELEASE DATE

2022/04/18

21:16:40

FORMAT: IN/ACAD-BI-prod-B

REVISION: B

DATE: 2020/01/14