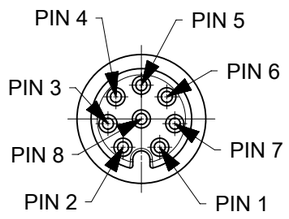
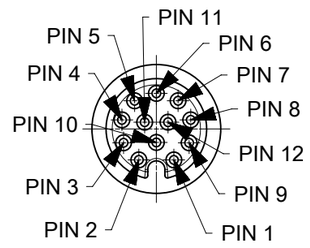
8 POLE
M12 FEMALE



PIN	WIRE COLOR	PIN	WIRE COLOR
1	WH	5	GY
2	BN	6	PK
3	GN	7	BU
4	YE	8	RD

12 POLE
M12 FEMALE



PIN	WIRE COLOR	PIN	WIRE COLOR
1	WH	7	BU
2	BN	8	RD
3	GN	9	BK
4	YE	10	VT
5	GY	11	GY/PK
6	PK	12	RD/BU

PART No MATRIX

Y	0	X	0	0	1	X	X	X	X	X	X	X	X	X

OPTIONS

Y0= ULTRA LOCK 2.0 SINGLE ENDED

POLES:
8 = 8 POLES
C = 12 POLES

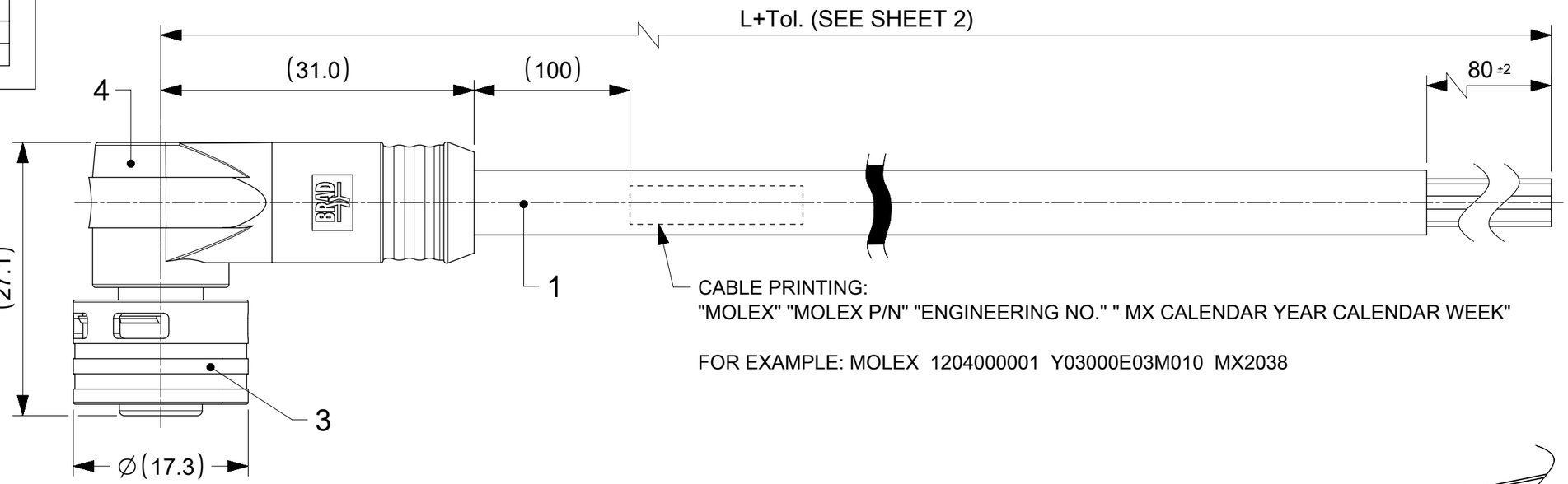
HEADER:
001= FEMALE RA

CABLE:
E02 - 8x0.25 PVC BLACK
B41 - 8x0.25 WSOR BLACK
H08 - 8x0.25 PUR-LS0H BLACK
H45 - 12x0.14 PUR BLACK

UNIT:
M = METER
F = FEET
C = CENTIMETER
T = 10M

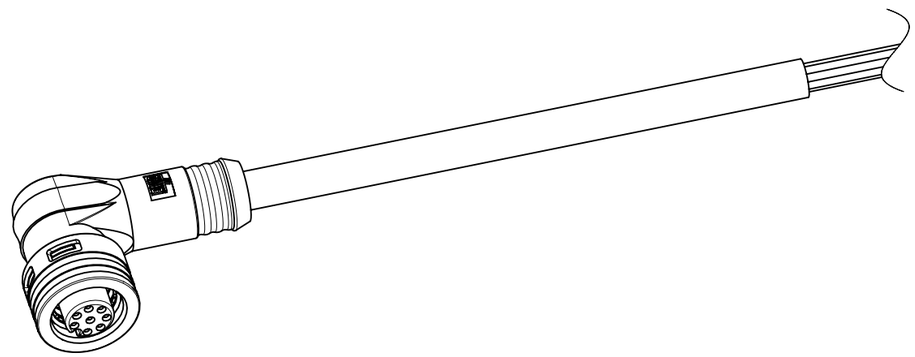
LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OVERMOLD:
BLANK = STANDARD BRAD:
-YELLOW IN THE USA
-BLACK IN EUROPE
A = GREY
E = RED
G = BLACK
Y = YELLOW
H = STD. COLOUR WITH TWO I/D-TAG CARRIERS



CABLE PRINTING:
"MOLEX" "MOLEX P/N" "ENGINEERING NO." " MX CALENDAR YEAR CALENDAR WEEK"

FOR EXAMPLE: MOLEX 1204000001 Y03000E03M010 MX2038



NOTES:

1. PARTS ACC. TO PRODUCT SPECIFICATION 1204000001 PS P10 AND IN STYLE OF IEC-61076-2-010
2. BOM & PART LIST - SEE SHEET 2
3. RATED VOLTAGE :
   8, 12 CONTACTS: 30V AC OR DC
   RATED CURRENT:
   8 CONTACTS: 2A
   12 CONTACTS: 1.5A,
   DERATING HAS TO BE CONSIDERED
   OVERVOLTAGE CATEGORY: 3
   POLLUTION DEGREE: 3, ONLY IN MATED AND LOCKED CONDITION
4. PROTECTION CLASS: IP 67, ONLY IN MATED AND LOCKED CONDITION
5. TEMPERATURE RANGE FIXED INSTALLATION:
   PARTS WITH CABLE PUR WSOR: -25°C / +85°C
   PARTS WITH CABLE PVC / PUR / PUR-LSOH: -25°C / +80°C
6. MECHANICAL OPERATIONS: 100 CYCLES
7. MATES WITH ULTRA-LOCK M12 MALE RECEPTACLES
8. PACKAGING: THE CORDSETS ARE PACKED IN PLASTIC BAGS AND DELIVERED IN CARTON BOXES
9. CSA FILE NO. LR6837, ´C´CSA´US´ MARK

DOCUMENT STATUS	P1	RELEASE DATE	2021/01/18 14:12:45

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

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	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: DRAWING DESCRIPTION AND NOTE 5 UPDATED

EC NO: 653310
DRWN: RSCHIEBER 2021/01/18
CHK'D: RSILLER 2021/01/18
APPR: RSILLER 2021/01/18

INITIAL REVISION:
DRWN: RSCHIEBER 2020/09/16
APPR: RSILLER 2020/09/29

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120400

molex

CSE U12 8-12P AC FE RA XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204000300	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 2

FORMAT: molex_B_sz_A3
REVISION: J
DATE: 2020/01/14

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)
1204000300	Y08001E02M010	1000
1204000301	Y08001E02M020	2000
1204000302	Y08001E02M050	5000
1204000303	Y08001E02M100	10000
1204000304	Y08001B41M010	1000
1204000305	Y08001B41M020	2000
1204000306	Y08001B41M050	5000
1204000307	Y08001B41M100	10000
1204000308	Y08001H08M010	1000
1204000309	Y08001H08M020	2000
1204000310	Y08001H08M050	5000
1204000311	Y08001H08M100	10000
1204000312	Y0C001H45M010	1000
1204000313	Y0C001H45M020	2000
1204000314	Y0C001H45M050	5000
1204000315	Y0C001H45M100	10000

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)

BILL OF MATERIAL:

8P	12P	ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
X	X	1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
X		2	8	CONTACT 8 FE TUR AU CR SHORT 7/8POLE	BRASS	GOLD OVER NICKEL PLATED
	X		12	CONTACT 6 FE TUR NI CR WRA0.14-0.25		
X		3	1	PLG U12 8P AC FE PA UNSH	-	-
	X			PLG U12 12P AC FE PA UNSH		
X	X	4	1	OVERMOLD	TPU	SEE MATRIX
IF "H" IS IN MATRIX-END		-	2	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT

CABLE LIST

8P	12P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR
X		E02	8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM	PVC	BLACK
X		B41	CABLE 8X0.25 TPU BK D6.40 TPE UNSH DCS	PUR WSOR	BLACK
X		H08	CABLE PUR;BLK 8X0.25MM-LSOH;UL O.D.=6.10	PUR-LS0H	BLACK
	X	H45	CABLE12X0.14BLK PUR D6.0 UL/CSA	PUR	BLACK

CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

DOCUMENT STATUS	P1	RELEASE DATE	2021/01/18 14:12:45

FORMAT: molex shared A3
REVISION: J
DATE: 2020/01/16

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	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: DRAWING DESCRIPTION AND NOTE 5 UPDATED

EC NO: 653310
DRWN: RSCHIEBER 2021/01/18
CHK'D: RSILLER 2021/01/18
APPR: RSILLER 2021/01/18

INITIAL REVISION:
DRWN: RSCHIEBER 2020/09/16
APPR: RSILLER 2020/09/29

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	120400

molex

CSE U12 8-12P AC FE RA XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204000300	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	2 OF 2