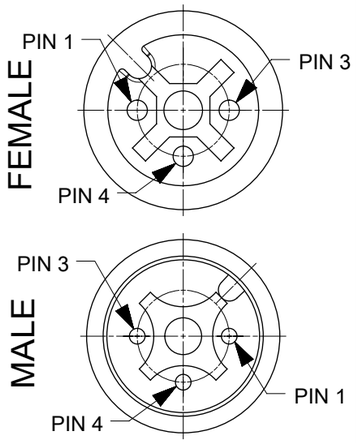
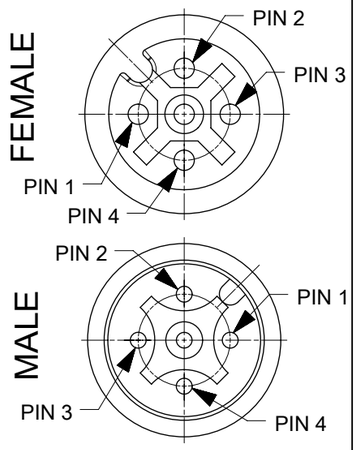
M12 3 POLE



VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	BN
2	-
3	BU
4	BK

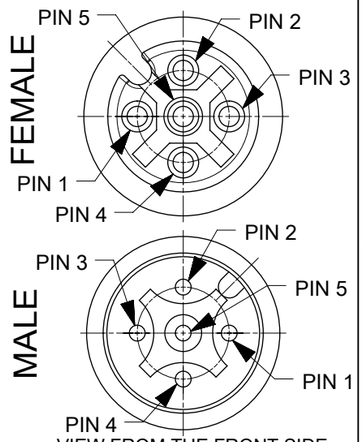
M12 4 POLE



VIEW FROM THE FRONT SIDE

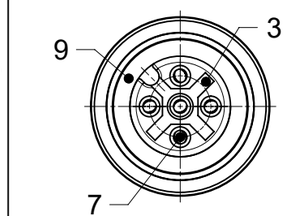
PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK

M12 5 POLE



VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

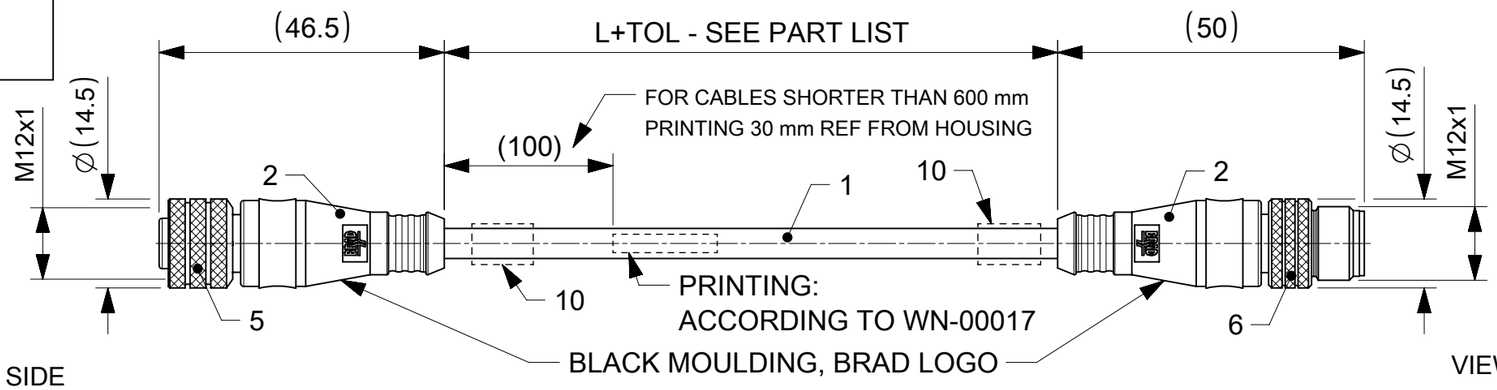


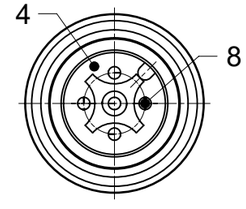
VIEW FROM THE FRONT SIDE
SCALE 2:1

PART NO. MATRIX

0	8	1	2	-	0	X	A	M	F	-	X	X	X	0	0

- 0812=Micro-Change M12x1 Double Ended
- NO. OF POLES: 03=3 POLE; 04=4 POLE; 05=5 POLE
- TYPE OF CONNECTOR : A = MALE STRAIGHT- FEMALE STRAIGHT
- FEMALE / MALE CONNECTOR
- LENGHT : 01=1M; 10=10M; SPECIAL LENGTH : 90=1.5M; 91=0.6M; 92=0.3M; 95=7.5M; 96=12.5M; 97=17.5M
- TYPE OF CABLE MATERIAL : 1 = PVC STANDARD; 2 = PUR STANDARD; C = UL-CABLE PVC; M = PUR 0.25%





VIEW FROM THE FRONT SIDE
SCALE 2:1

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
10	2	I/D CARRIER	PVC	TRANSPARENT
9	1	GASKET	FPM	RED
8	3, 4 & 5	CONTACT 10 MA STA AU	COPPER	SELECTIVE GOLD OVER NI-PLATED
7	3, 4 & 5	CONTACT 10 FE STA AU	BRONZE	SELECTIVE GOLD OVER NI-PLATED
6	1	M12 MALE COUPLING NUT	BRASS	Ni-PLATED
5	1	M12 FEMALE COUPLING NUT	BRASS	Ni-PLATED
4	1	INSERT M12 MA AC	PUR	BLACK
3	1	INSERT M12 FE AC	TPU	BLACK
2	-	OVERMOULD	TPU	BLACK
1	SEE PART LIST	CABLE	SEE CABLE LIST	

CABLE LIST :

(For more information see Cable Data Sheet)

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET
E03	3	0.34mm²	PVC BLACK
P03	3	0.34mm²	PUR BLACK
E02	4	0.25mm²	PVC BLACK
P02	4	0.25mm²	PUR BLACK
E03	5	0.34mm²	PVC BLACK
P03	5	0.34mm²	PUR BLACK
P02 (M-SEE ENG. NO.)	5	0.25mm²	PUR BLACK
- (F-SEE ENG. NO.)	5	0.50 mm²	PUR BLACK
- (E-SEE ENG. NO.)	4	0.50 mm²	PVC BLACK

NOTES :
ELECTRICAL DATA :
VOLTAGE RATING : 3/4P A-Code 250V
VOLTAGE RATING : 5P A-Code 60V

AMPERAGE RATING : 4A
INSULATION RESISTANCE : 10^8 Ω MIN.
MATING CYCLES : MAX. 100

ENVIRONMENTAL :
PROTECTION : IP67
OPERATING TEMPERATURE : -25°C TO +85°C
STATIC BENDING RADIUS : >5xO.D TO >10xO.D.
DYNAMIC BENDING RADIUS : >8xO.D TO >15xO.D.

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/16 13:03:07

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DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: OBSOLETED PART NUMBER

EC NO: 655037
DRWN: VLOKESHA 2020/12/22
CHK'D: GGA 2021/03/16
APPR: GGA 2021/03/16

INITIAL REVISION:
DRWN: MDHARMANTI 2019/09/11
APPR: RSILLER 2019/10/17

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120066

molex

CSE M12 XP AC FE STR PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200665076	PSD	000	A2

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

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PART LIST :

ITEM	MOLEX PN	ENGINEERING NO.	L+TOL. (mm)
1	1200665076	0812 05AMF 25F00	25000
2	1200665077	0812 05AMF 50F00	50000
3	1200665104	0812 03AMF 01100	1000
4	1200665128	0812 04AMF 03E00	3000
5	1200665131	0812 04AMF 15200	15000
6	1200665132	0812 04AMF 20200	20000
7	1200665136	0812 04AMF 95200	7500
8	1200665139	0812 04AMF 96200	12500
11	1200665261	0812 03AMF 01200	1000
12	1200665268	0812 04AMF 01100	1000
13	1200665270	0812 04AMF 02100	2000
14	1200665272	0812 04AMF 05200	5000
15	1200665274	0812 04AMF 91100	600
18	1200665283	0812 05AMF 05200	5000
21	1200665304	0812 03AMF 92200	300
22	1200665324	0812 04AMF 07100	7000
23	1200665325	0812 04AMF 91200	600
24	1200665331	0812 04AMF 97200	17500
28	1200665361	0812 03AMF 02200	2000
29	1200665362	0812 03AMF 05200	5000
30	1200665363	0812 03AMF 03200	3000
31	1200665364	0812 03AMF 08200	8000
32	1200665367	0812 03AMF 10200	10000
33	1200071710	0812 04AMF 05C00	5000
34	1200072890	0812 04AMF 10C00	10000
35	1200665303	0812 03AMF 15800	15000
36	1200668023	0812 04AMF 02C00	2000

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

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DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ± °	
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	
1 PLACE ±	
0 PLACES ±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC: OBSOLETED PART NUMBER

EC NO: 655037
DRWN: VLOKESHA 2020/12/22
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DRWN: MDHARMANTI 2019/09/11
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molex

CSE M12 XP AC FE STR PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200665076	PSD	000	A2

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	120066	SEE PART LIST	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/16 13:03:07

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