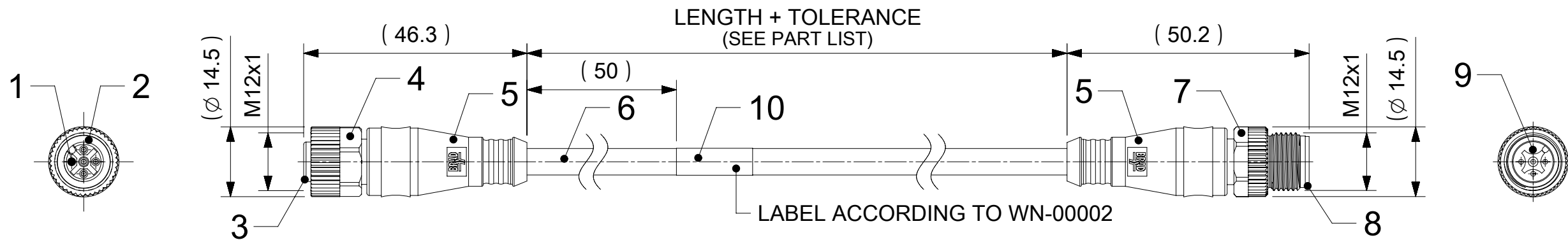


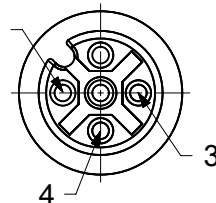
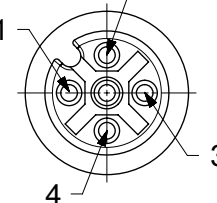
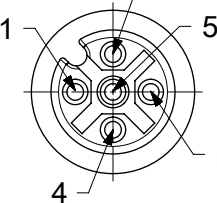
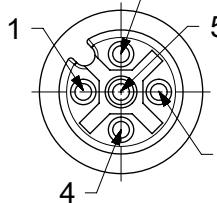
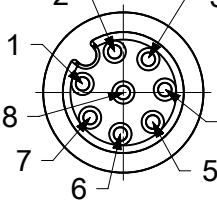
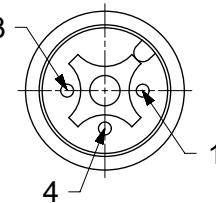
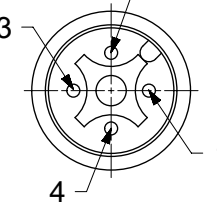
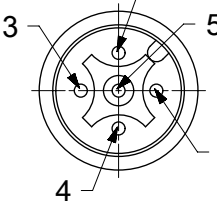
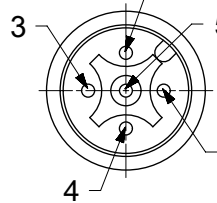
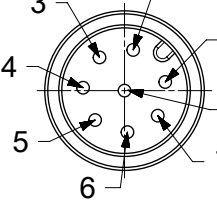
FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



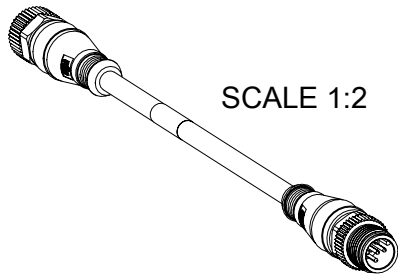
NOTES:

CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V DC
8 POLES 30V
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

CONTACT POSITION FRONT VIEW:

CABLE	3 POLES B30, B55	4 POLES B30, B33, B36, B55	5 POLES B30, B33, B36, B55	5 POLES B42	8 POLES B41, B49					
FEMALE										
MALE										
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREEN/ YELLOW	5	GREY
									6	PINK
									7	BLUE
									8	RED

CODING REQUIRED TO IEC 61076-2-101



FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

10	1	LABEL OR PRINTING	VINYL / ---	---
9	3 / 4 / 5	CONTACT M12 MALE	COPPER	SELECTIVE GOLD OVER NICKEL
	8		BRASS	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	SEE SHEET 2	SEE SHEET 2
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	SEE SHEET 2	SEE SHEET 2
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
	8		BRASS	SELECTIVE GOLD OVER NICKEL
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															
DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N'S ADDED			molex								
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE STR WSOR MA STR XM DE											
ANGULAR TOL ± 1.0 °															
4 PLACES		±		EC NO: 687807		PRODUCT CUSTOMER DRAWING									
3 PLACES		±		DRWN: RSCHIEBER 2021/12/01											
2 PLACES		± 0.05		CHK'D: RSILLER 2021/12/07											
1 PLACE		± 0.3		APPR: RSILLER 2021/12/07		DOCUMENT NUMBER 1200668993									
0 PLACES		± 0.5		INITIAL REVISION: DRWN: JMARSZALEK 2016/07/22 APPR: RSILLER 2016/08/29						DOC TYPE PSD		DOC PART 000		REVISION A16	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 120066		MATERIAL NUMBER SEE SHEET 3 & 4		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 4	

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

88X030XXXXXX

88=M12x1
Double ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles
8=8 Poles

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter
T=10x Meter

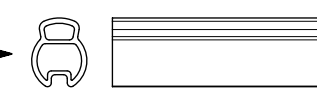
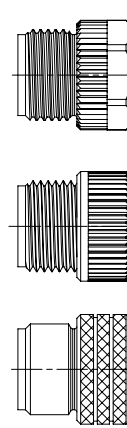
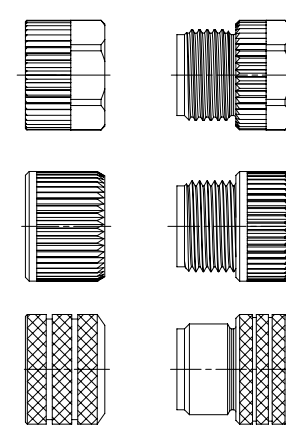
Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cable B36 always with
2 pcs. I/D Carrier)

FEMALEMALE



CABLE INFORMATION (for more information see Cable Data Sheet)

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE PRODUCT SPECIFICATION	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
B41	8	0.25mm²	TPU Black								SD-120209-006
B42	5	0.34mm²	TPU Black								SD-120209-001
B49	8	0.25mm²	TPU Orange								SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow								n/a

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

CURRENT REV DESC: NEW P/N'S ADDED

EC NO: 687807
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2021/12/01
2021/12/07
2021/12/07

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/07/22
2016/08/29

DOCUMENT NUMBER
1200668993

DOC TYPE
PSD

DOC PART
000

REVISION
A16

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120066

MATERIAL NUMBER
SEE SHEET 3 & 4

CUSTOMER
GENERAL MARKET

SHEET NUMBER
2 OF 4

PART LIST

Lp.	MOLEX PN	ENGINEERING No	L [mm]
1	1200656067	885030B30M005H	500
2	1200659548	885030B42M150	15000
3	1200659549	885030B42M200	20000
4	1200659666	885030B30M005	500
5	1200659667	885030B30M025	2500
6	1200665456	884030B30M010R	1000
7	1200665457	884030B30M020R	2000
8	1200665458	884030B30M030R	3000
9	1200665459	884030B30M040R	4000
10	1200665460	884030B30M050R	5000
11	1200665461	888030B41M010R	1000
12	1200668817	884030B30M006	600
13	1200668818	884030B30M010	1000
14	1200668819	884030B30M020	2000
15	1200668820	884030B30M030	3000
16	1200668821	884030B30M050	5000
17	1200668822	884030B30M100	10000
18	1200668823	885030B42M006	600
19	1200668824	885030B42M010	1000
20	1200668825	885030B42M020	2000
21	1200668826	885030B42M030	3000
22	1200668827	885030B42M050	5000
23	1200668828	885030B42M100	10000
24	1200668859	884030B36M0507Y	5000
25	1200668860	884030B36M1007Y	10000
26	1200668863	884030B30M070	7000
27	1200668889	883030B30M006	600
28	1200668890	883030B30M010	1000
29	1200668891	883030B30M020	2000
30	1200668892	883030B30M030	3000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
31	1200668893	883030B30M050	5000
32	1200668894	883030B30M100	10000
33	1200668895	888030B41M006	600
34	1200668896	888030B41M010	1000
35	1200668897	888030B41M020	2000
36	1200668898	888030B41M030	3000
37	1200668899	888030B41M050	5000
38	1200668900	888030B41M100	10000
39	1200668913	884030B30M150	15000
40	1200668914	884030B30M200	20000
41	1200668915	884030B30M250	25000
42	1200668916	884030B30M300	30000
43	1200668991	885030B30M006	600
44	1200668992	885030B30M010	1000
45	1200668993	885030B30M020	2000
46	1200668994	885030B30M030	3000
47	1200668995	885030B30M050	5000
48	1200668996	885030B30M100	10000
49	1200669019	884030B36M0057Y	500
50	1200669020	884030B36M0107Y	1000
51	1200669021	884030B36M0157Y	1500
52	1200669022	884030B36M0207Y	2000
53	1200669023	884030B36M0307Y	3000
54	1200669024	884030B36M0407Y	4000
55	1200669025	884030B36M0607Y	6000
56	1200669026	884030B36M0807Y	8000
57	1200669027	884030B36M1207Y	12000
58	1200669028	884030B36M1507Y	15000
59	1200669029	884030B36M2007Y	20000
60	1200669030	884030B36M2507Y	25000

Lp.	MOLEX PN	ENGINEERING No	L [mm]
61	1200669031	884030B36M3007Y	30000
62	1200669032	885030B36M0057Y	500
63	1200669033	885030B36M0107Y	1000
64	1200669034	885030B36M0207Y	2000
65	1200669035	885030B36M0307Y	3000
66	1200669036	885030B36M0407Y	4000
67	1200669037	885030B36M0507Y	5000
68	1200669038	885030B36M0607Y	6000
69	1200669039	885030B36M0807Y	8000
70	1200669040	885030B36M1007Y	10000
71	1200669041	885030B36M1207Y	12000
72	1200669042	885030B36M1507Y	15000
73	120		

FORMAT: master-tb-mod-A3
REVISION: J
DATE: 2020/01/14

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