

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

OPTIONS

8	8	X	0	3	0	X	X	X	X	X	X	X	X
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88=Micro-Change
M12x1
Double ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

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

Cable type: See Table

Units:
M=Meter
C=Centimeter

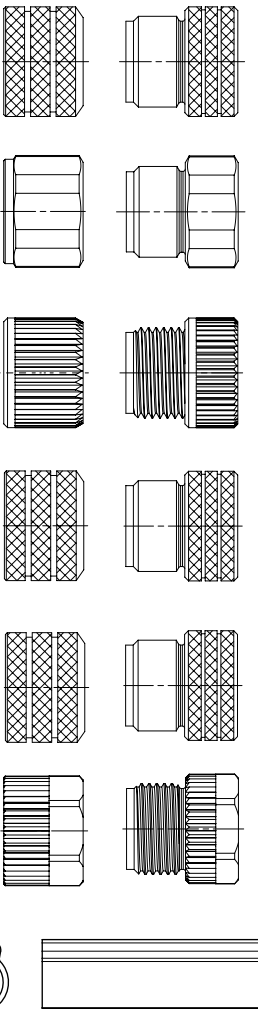
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel _____
5=Knurled Derlin _____
7=Knurled Brass Ni Plated, Teflon Coated _____
8=Type 316 stainless steel _____
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent

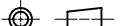
COUPLING NUTS
FEMALE MALE



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	SHIELD
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

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		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN#512871. EC NO: 732259 DRWN: SANTHN 2022/12/20 CHK'D: GGA 2022/12/21 APPR: GGA 2022/12/21 INITIAL REVISION: DRWN: JMARSZALEK 2016/09/16 APPR: RSILLER 2016/10/28			molex			
GENERAL TOLERANCES (UNLESS SPECIFIED)										
ANGULAR TOL ± 1.0°							CSE M12 XP AC FE STR MA STR XM DE			
4 PLACES ±							PRODUCT CUSTOMER DRAWING			
3 PLACES ±										
2 PLACES ± 0.05										
1 PLACE ± 0.3										
0 PLACES ± 0.5				DOCUMENT NUMBER 1200668084			DOC TYPE PSD	DOC PART 000	REVISION A15	
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 2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/12/21	07:37:48
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10	9	8	7	6	5	4	3	2	1		
PART LIST											
No.	MOLEX PN	Engineering No.	Length	No.	MOLEX PN	Engineering No.	Length	No.	MOLEX PN	Engineering No.	Length
1	1200060049	884030E03M050	5m	36	1200071114	883030P03M020H	2m	106	1200668352	888030P02M250	25m
2	1200060050	884030P03M015	1.5m	37	1200071122	883030P03M030H	3m	107	1200668370	883030E03M040	4m
3	1200060051	884030P03M030	3m	38	1200071123	883030P03M010H	1m	108	1200668373	883030H09M006	0.6m
4	1200070081	883030E03M006	0.6m	39	1200071131	883030P03M0201	2m	109	1200668374	883030H09M010	1m
5	1200070083	883030E03M010	1m	40	1200071199	884030E03M200	20m	110	1200668375	883030H09M030	3m
6	1200070085	883030E03M020	2m	41	1200071273	883030P03M100H	10m	111	1200668376	883030H09M040	4m
7	1200070086	883030E03M0205	2m	42	1200071284	885030P03M100	10m	112	1200668377	883030H09M100	10m
8	1200070088	883030E03M030	3m	43	1200071288	883030P03M060	6m	113	1200668378	884030H09M006	0.6m
9	1200070091	883030E03M050	5m	44	1200071408	885030P03M030	3m	114	1200668379	884030H09M010	1m
10	1200070092	883030E03M0505	5m	45	1200071500	885030E03M005	0.5m	115	1200668380	884030H09M040	4m
11	1200070093	883030E03M100	10m	46	1200071583	885030E03M080	8m	116	1200668381	884030H09M100	10m
12	1200070102	883030P03M003	0.3m	47	1200071594	884030E03M015	1.5m	117	1200668399	888030E02M003	0.3m
13	1200070104	883030P03M006	0.6m	48	1200071596	884030E03M060	6m	118	1200668486	884030H09M023	2.3m
14	1200070105	883030P03M100	10m	49	1200071703	884030E03M0205	2m	119	1200668487	885030E03M200	20m
15	1200070470	884030E03M003	0.3m	50	1200071707	884030E03M0505	5m	120	1200668491	888030H08M010	1m
16	1200070472	884030E03M006	0.6m	51	1200071715	884030E03M150	15m	121	1200668497	885030H09M010	1m
17	1200070473	884030E03M010	1m	52	1200071774	884030E03M020H	2m	122	1200668500	885030H09M020	2m
18	1200070474	884030E03M020	2m	53	1200071793	884030E03M1501✱	15m	123	1200668501	885030H09M050	5m
19	1200070475	884030E03M030	3m	54	1200071881	884030E03M1005	10m	124	1200668502	885030H09M092	9.2m
20	1200070476	884030E03M100	10m	55	1200071947	885030P03M007	0.7m	125	1200668509	885030H09M006	0.6m
21	1200070486	884030P03M003	0.3m	56	1200071948	885030E03M040	4m	126	1200668510	885030H09M030	3m
22	1200070487	884030P03M006	0.6m	57	1200072010	884030P03M050H	5m	127	1200668511	885030H09M100	10m
23	1200070488	884030P03M010	1m	58	1200072081	885030E03M035	3.5m	128	1200668521	885030E03M250	25m
24	1200070489	884030P03M020	2m	59	1200072092	884030E03M040	4m	129	1200668528	885030E03M020H	2m
25	1200070490	884030P03M050	5m	60	1200072104	883030P03M040	4m	130	1200668530	885030E03M010H	1m
26	1200070586	885030E03M030	3m	61	1200072105	884030P03M200	20m	131	1200668544	888030P02M500	50m
27	1200070596	885030P03M020	2m	62	1200072172	884030E03M050H	5m	132	1200668548	884030H09M006H	0.6m
28	1200070906	885030E03M010	1m	63	1200072544	884030E03M120	12m	133	1200668549	884030H09M010H	1m
29	1200070969	885030E03M050	5m	64	1200072649	884030P03M0105	1m	134	1200668550	884030H09M050H	5m
30	1200070970	885030E03M020	2m	65	1200072650	884030P03M0505	5m	135	1200668602	885030P03M020G	2m
31	1200071006	883030E03M020H	2m	66	1200072656	885030P03M120	12m	136	1200668609	885030E02M050	5m
32	1200071029	884030P03M100	10m	67	1200072658	883030P03M120	12m	137	1200668646	883030P03M030HY	3m
33	1200071047	883030P03M050H	5m	68	1200072697	885030E03M060	6m	138	1200668652	885030E03M070	7m
34	1200071049	885030P03M050	5m	69	1200072744	884030E03M0501✱	5m	139	1200668656	885030E02M100	10m
35	1200071053	883030P03M150	15m	70	1200072762	884030P03M0101	1m	140	1200668657	885030E02M020	2m

NOTES:
✱ - Part No. with Yellow PVC overmolding

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: REMOVED OBSOLETE PART NUMBER AS PER PCN#512871.		molex CSE M12 XP AC FE STR MA STR XM DE PRODUCT CUSTOMER DRAWING			
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °									
4 PLACES ±									
3 PLACES ±		2 PLACES ± 0.05		EC NO: 732259		2022/12/20			
1 PLACE ± 0.3		0 PLACES ± 0.5		DRWN: SANTHN		2022/12/21			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		INITIAL REVISION:	
				A3-SIZE		120066		DRWN: JMARSALEK	
								APPR: RSILLER	
								2016/09/16	
								2016/12/08	
								DOCUMENT NUMBER	
								1200668084	
								DOC TYPE	
								PSD	
								DOC PART	
								000	
								REVISION	
								A15	
								MATERIAL NUMBER	
								SEE PART LIST	
								CUSTOMER	
								GENERAL MARKET	
								SHEET NUMBER	
								3 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2022/12/21	07:37:48
9		8		7
6		5		4
3		2		1

10	9	8	7	6	5	4	3	2	1
PART LIST									
No.	MOLEX PN	Engineering No.	Length	No.	MOLEX PN	Engineering No.	Length	No.	MOLEX PN
141	1200668661	884030E02M0031	✱0.3m	176	1200668786	884030E03M070	7m	246	1200669756
142	1200668662	883030E02M006	0.6m	177	1200668794	885030P03M006H	0.6m	247	1200669762
143	1200668664	885030E02M010	1m	178	1200668795	885030P03M010H	1m	248	1200669757
144	1200668672	884030E03M0051	✱0.5m	179	1200668796	885030P03M030H	3m	249	1200669763
145	1200668674	885030E03M150	15m	180	1200668797	885030P03M050H	5m	250	1200669878
146	1200668683	885030H09M150	15m	181	1200668798	885030P03M100H	10m	251	1200669879
147	1200668684	885030H09M200	20m	182	1200668800	885030P03M200H	20m	252	1200669880
148	1200668687	884030P03M005	0.5m	183	1200668801	885030P03M300H	30m	253	1200669881
149	1200668689	884030H08M030	3m	184	1200668802	885030P03M350H	35m	254	1200669882
150	1200668690	883030P03M020YH	2m	185	1200668803	888030P02M010H	1m	255	1200669883
151	1200668691	883030P03M010YH	1m	186	1200668804	888030P02M020H	2m	256	1200669884
152	1200668712	883030P03M100HY	10m	187	1200668806	888030P02M050H	5m	257	1200669905
153	1200668713	883030P03M050HY	5m	188	1200668807	888030P02M100H	10m	258	1200669906
154	1200668714	884030H09M0209	2m	189	1200668808	888030P02M150H	15m	259	1200669907
155	1200668715	884030H09M003	0.3m	190	1200668809	888030P02M200H	20m	260	1200669926
156	1200668718	884030E03M250	25m	191	1200668810	888030P02M350H	35m	261	1200669927
157	1200668719	884030E03M300	30m	192	1200668815	884030P03M0805	8m	262	1200669931
158	1200668720	884030P03M150	15m	193	1200668853	885030H09M040	4m	263	1200669932
159	1200668721	884030P03M250	25m	194	1200668854	885030H09M060	6m	264	
160	1200668722	884030P03M300	30m	195	1200668903	885030P03C130	0.13m	265	
161	1200668723	884030P03M350	35m	196	1200668972	885030E03M003	0.3m	266	
162	1200668724	884030P03M400	40m	197	1200668973	885030E03M025	2.5m	267	
163	1200668737	884030H09M055	5.5m	198	1200668980	885030E03M080H	8m	268	
164	1200668754	884030P03M020H	2m	199	1200668981	885030E03M040H	4m	269	
165	1200668765	885030P03M015	1.5m	200	1200668982	885030E03M060H	6m	270	
166	1200668770	884030E03M350	35m	201	1200668985	885030E03M030H	3m	271	
167	1200668771	884030E03M400	40m	202	1200669111	885030P03M150H	15m	272	
168	1200668774	888030H08M100	10m	203	1200669117	888030H08M040	4m	273	
169	1200668775	885030P03M300	30m	204	1200669133	888030P02M3008	30m	274	
170	1200668777	888030E02M020	2m	205	1200669134	883030H09M015	1.5m	275	
171	1200668778	888030E02M030	3m	206	1200669135	883030H09M200	20m	276	
172	1200668779	888030E02M050	5m	207	1200669153	883030E03M0101	1m	277	
173	1200668780	888030E02M100	10m	208	1200669161	888030H08M150	15m	278	
174	1200668784	885030E03M300	30m	209	1200669212	888030H08M050	5m	279	
175	1200668785	885030E03M350	35m	210	1200669310	888030H08M005	0.5m	280	