

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X000XXXXXX

80=M12x1
Single ended

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

Heads style:
000=Plug Female Straight

Cable type: See Table

Units:
M=Meter

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
9=Knurled / Hexagonal Brass Ni Plated

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

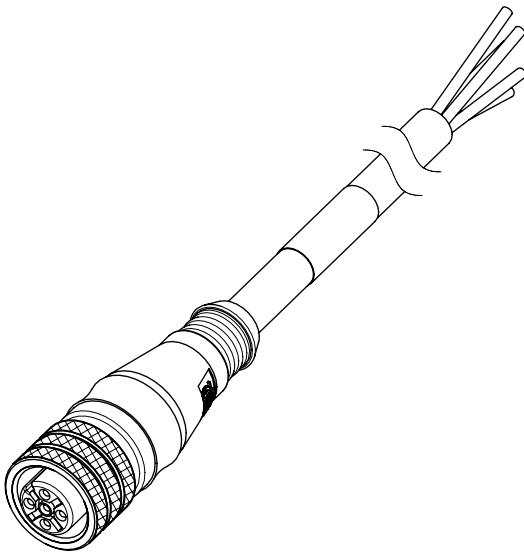
COUPLING NUTS

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	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length



SCALE 1:1

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DIMENSION UNITS
mm

SCALE
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: NEW PN ADD TO DRAWING

EC NO: 726420
DRWN: RSILLER
CHK'D: THAERDT
APPR: THAERDT

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2022/10/28
2022/10/28
2022/10/28
2016/01/11
2016/04/08

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120065

molex

CSE M12 XP AC FE STR XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1200651978

DOC TYPE
PSD

DOC PART
000

REVISION
A11

MATERIAL NUMBER

CUSTOMER
GENERAL MARKET

SHEET NUMBER
2 OF 4

10

9

8

7

6

5

4

3

2

1

PART LIST

No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length
1	1200060001	803000E03M020	2m	36	1200060458	804000P03M0501	5m	71	1200063673	803000P03M1001	10m	106	1200658008	804000H09M050H	5m
2	1200060002	803000E03M050	5m	37	1200060461	804000P03M200	20m	72	1200063779	805000E03M300	30m	107	1200658009	804000H09M100H	10m
3	1200060003	803000E03M100	10m	38	1200060634	805000E03M020	2m	73	1200063940	804000P03M0051	0.5m	108	1200658020	805000P03M040	4m
4	1200060004	803000P03M020	2m	39	1200060638	805000E03M100	10m	74	1200064033	804000P03M120	12m	109	1200658021	808000P02M150	15m
5	1200060005	803000P03M050	5m	40	1200060646	805000P03M003	0.3m	75	1200064093	803000P03M032	3.2m	110	1200658022	808000P02M030	3m
6	1200060006	803000P03M100	10m	41	1200060647	805000P03M020	2m	76	1200064292	805000P03M200	20m	111	1200658064	804000P03M010	1m
7	1200060014	804000E03M020	2m	42	1200060649	805000P03M100	10m	79	1200064422	804000E03M120	12m	112	1200658081	805000E03M200	20m
8	1200060015	804000E03M050	5m	43	1200061337	804000E03M0205	2m	80	1200064434	804000H09M050G	5m	113	1200658165	805000E03M030	3m
9	1200060016	804000E03M100	10m	44	1200061431	805000P03M150	15m	81	1200065004	805000P03M0201	2m	114	1200658172	805000H09M020	2m
10	1200060018	804000P03M020	2m	45	1200061528	804000E03M250	25m	82	1200065006	804000H09M250G	25m	115	1200658173	805000H09M050	5m
11	1200060019	804000P03M050	5m	46	1200061765	803000P03M002	0.2m	83	1200065012	803000P03M030G	3m	116	1200658174	805000H09M100	10m
12	1200060027	803000E03M006	0.6m	47	1200061785	804000P03M006	0.6m	84	1200650951	808000P02M020	2m	117	1200658175	803000H09M020	2m
13	1200060032	804000E03M005	0.5m	48	1200061913	804000E03M300	30m	85	1200650952	808000P02M040	4m	118	1200658176	803000H09M050	5m
14	1200060034	804000P03M025	2.5m	49	1200061958	803000E03M021	2.1m	86	1200650953	808000P02M050	5m	119	1200658177	803000H09M100	10m
15	1200060107	803000E03M003	0.3m	50	1200062071	803000E03M060	6m	87	1200650954	808000P02M060	6m	120	1200658178	804000H09M020	2m
16	1200060113	803000E03M030	3m	51	1200062098	803000P03M006	0.6m	88	1200650955	808000P02M080	8m	121	1200658179	804000H09M050	5m
18	1200060116	803000E03M0505	5m	52	1200062130	804000E03M050H	5m	89	1200650956	808000P02M0801	8m	122	1200658190	804000H09M100	10m
19	1200060117	803000E03M1005	10m	53	1200062167	804000P03M100H	10m	90	1200650957	808000P02M100	10m	124	1200658197	805000P03M010	1m
20	1200060119	803000E03M150	15m	54	1200062264	804000E03M1505	15m	91	1200651769	803000P03M050G	5m	125	1200658208	805000E03M0061	✱ 0.6m
21	1200060121	803000E03M200	20m	55	1200062347	804000P03M050H	5m	92	1200651780	804000P03M050G	5m	126	1200658210	805000E03M0501	✱ 5m
22	1200060124	803000E03M2505	25m	56	1200062521	805000P03M030	3m	93	1200651782	804000P03M100	10m	127	1200658219	803000E03M0201	✱ 2m
23	1200060152	803000P03M010	1m	57	1200062772	803000P03M250	25m	94	1200651792	805000P03M050	5m	128	1200658224	808000E02M050	5m
24	1200060153	803000P03M030	3m	58	1200062811	803000P03M100H	10m	95	1200651794	808000P02M010	1m	129	1200658228	804000E03M3001	✱ 30m
25	1200060157	803000P03M150	15m	59	1200062853	804000P03M150	15m	96	1200651795	808000P02M070	7m	130	1200658244	808000H08M050	5m
26	1200060158	803000P03M200	20m	60	1200062866	804000E03M020H	2m	97	1200651817	808000P02M200	20m	131	1200658264	808000H08M100	10m
27	1200060426	804000E03M010	1m	61	1200062992	804000E03M200H	20m	98	1200651818	808000P02M250	25m	133	1200658277	808000E02M020	2m
28	1200060427	804000E03M0201	✱✱ 2m	62	1200063121	804000P03M0053	0.5m	99	1200651820	808000P02M300	30m	134	1200658278	808000E02M100	10m
29	1200060428	804000E03M030	3m	63	1200063224	804000E03M003	0.3m	100	1200651978	805000E03M050	5m	135	1200658288	804000E03M050G	5m
30	1200060429	804000E03M0501	✱ 5m	65	1200063314	805000E03M010	1m	101	1200652143	804000P03M040	4m	136	1200658309	808000E02M0501	5m
31	1200060430	804000E03M0505	5m	66	1200063402	804000P03M003	0.3m	102	1200652144	804000P03M060	6m	137	1200658321	804000P03M005	0.5m
32	1200060431	804000E03M150	15m	67	1200063407	804000E03M1001	✱ 10m	103	1200652154	805000P03M060	6m	138	1200658331	805000E03M050H	5m
33	1200060432	804000E03M200	20m	68	1200063415	803000P03M0707	7m	104	1200655073	808000P02M003	0.3m	139	1200658350	803000E03M1001	✱ 10m
34	1200060456	804000P03M0201	2m	69	1200063443	804000E03M030H	3m	105	1200655081	805000E03M150	15m				
35	1200060457	804000P03M030	3m	70	1200063647	804000E03M2001	20m								

NOTES:

✱ - Part No. with Yellow PVC overmolding

✱✱ - Part No. with Black PVC overmolding

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DIMENSION UNITS

SCALE

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2

	10	9	8	7	6	5	4	3	2	1																																																																																																																									
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No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length																																																																																																																								
142	1200658492	804000P03M100G	10m	176	1200658780	805000H09M200	20m	217	1200659123	804000P03M100HY	10m																																																																																																																								
143	1200658502	805000E03M005	0.5m	177	1200658782	804000E03M060	6m	218	1200659144	805000H09M300	30m																																																																																																																								
144	1200658503	805000E03M0201	2m	178	1200658812	808000E02M150	15m	219	1200659187	808000E02M4001	40m																																																																																																																								
145	1200658511	808000E02M010	1m	179	1200658813	808000H08M025	2.5m	221	1200659200	808000E02M250H	25m																																																																																																																								
146	1200658525	808000P02C350	0.35m	181	1200658880	804000H09M200	20m	222	1200659207	805000E03C230	0.23m																																																																																																																								
147	1200658545	804000P03M015	1.5m	182	1200658882	804000E03M100H	10m	223	1200659214	805000P03M300	30m																																																																																																																								
148	1200658550	804000H09M015	1.5m	183	1200658887	803000E03M020H	2m	224	1200659256	808000E02M200	20m																																																																																																																								
149	1200658551	808000E02M1001	10m	184	1200658889	803000E03M050H	5m	225	1200659279	805000E03M007	0.7m																																																																																																																								
150	1200658562	803000E03M010	1m	185	1200658891	804000H09M003	0.3m	226	1200659280	805000E03M350	35m																																																																																																																								
151	1200658563	803000E03M040	4m	186	1200658894	804000E03M020G	2m	227	1200659282	805000P03M005	0.5m																																																																																																																								
152	1200658570	804000E03M040	4m	187	1200658896	804000E03M075	7.5m	228	1200659283	805000P03M007	0.7m																																																																																																																								
153	1200658590	808000E02M030	3m	188	1200658899	808000H08M250	25m	229	1200659302	804000P03M1005	10m																																																																																																																								
154	1200658591	808000E02M040	4m	192	1200658927	804000P02M050	5m	230	1200659326	805000P03M020H	2m																																																																																																																								
155	1200658592	805000E03M040	4m	194	1200658930	808000H08M150	15m	231	1200659329	805000P03M150H	15m																																																																																																																								
156	1200658609	804000P02M020	2m	196	1200658983	804000E03M002	0.2m	232	1200659330	805000P03M200H	20m																																																																																																																								
157	1200658610	803000P03M040	4m	197	1200658984	808000E02M2501	25m	233	1200659334	808000P02M200H	20m																																																																																																																								
161	1200658632	805000H09M010	1m	199	1200658991	805000P03M100H	10m	234	1200659340	804000P03M1501	15m																																																																																																																								
162	1200658633	805000H09M015	1.5m	200	1200659038	804000E02M100	10m	235	1200659341	804000P03M2501	25m																																																																																																																								
163	1200658634	805000H09M030	3m	201	1200659040	804000E02M050	5m	236	1200659368	805000E03M015	1.5m																																																																																																																								
164	1200658635	805000H09M040	4m	202	1200659052	808000E02M2001	20m	237	1200659370	804000P03M020Y	2m																																																																																																																								
165	1200658636	803000H09M010	1m	203	1200659053	808000E02M3001	30m	238	1200659387	808000E02M500	50m																																																																																																																								
166	1200658637	803000H09M015	1.5m	209	1200659088	804000P03M050HY	5m	239	1200659388	804000P03M012	1.2m																																																																																																																								
167	1200658638	803000H09M030	3m	210	1200659092	808000P02M050Y	5m	241	1200659397	808000P02M100Y	10m																																																																																																																								
168	1200658639	803000H09M040	4m					242	1200659399	808000P02M015	1.5m																																																																																																																								
169	1200658640	804000H09M010	1m					243	1200659474	804000P03M250	25m																																																																																																																								
170	1200658641	804000H09M040	4m					244	1200659475	804000P03M300	30m																																																																																																																								
171	1200658642	808000H08M010	1m					245	1200659509	805000E03M600	60m																																																																																																																								
172	1200658643	808000H08M015	1.5m																																																																																																																																
173	1200658644	808000H08M020	2m																																																																																																																																
174	1200658645	808000H08M030	3m																																																																																																																																
175	1200658646	808000H08M040	4m																																																																																																																																
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<table><tr><td colspan="11">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="4" rowspan="2">CURRENT REV DESC: NEW PN ADD TO DRAWING</td><td colspan="3" rowspan="3"> molex CSE M12 XP AC FE STR XM SE UNSH </td></tr><tr><td colspan="2">mm</td><td colspan="2">1:1</td></tr><tr><td colspan="4">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td colspan="2">ANGULAR TOL</td><td colspan="2">± 1.0 °</td><td colspan="4" rowspan="4">EC NO: 726420 DRWN: RSILLER 2022/10/28 CHK'D: THAERDT 2022/10/28 APPR: THAERDT 2022/10/28</td><td colspan="3" rowspan="2">PRODUCT CUSTOMER DRAWING</td></tr><tr><td colspan="2">4 PLACES</td><td colspan="2">±</td></tr><tr><td colspan="2">3 PLACES</td><td colspan="2">±</td><td colspan="3" rowspan="2">INITIAL REVISION: DRWN: JMARSZALEK 2016/01/11 APPR: RSILLER 2016/04/08</td><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">2 PLACES</td><td colspan="2">± 0.05</td><td colspan="2">1200651978</td><td>PSD</td><td>000</td><td>A11</td></tr><tr><td colspan="2">1 PLACE</td><td colspan="2">± 0.3</td><td colspan="4"></td><td colspan="4"></td></tr><tr><td colspan="2">0 PLACES</td><td colspan="2">± 0.5</td><td colspan="4"></td><td colspan="4"></td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="2">DRAWING</td><td colspan="2">SERIES</td><td colspan="2">MATERIAL NUMBER</td><td>CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="4"></td><td colspan="2"></td><td colspan="2">A3-SIZE</td><td colspan="2">120065</td><td colspan="2"></td><td colspan="2">GENERAL MARKET</td><td colspan="2">4 OF 4</td></tr></table>											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 PN ADD TO DRAWING				molex CSE M12 XP AC FE STR XM SE UNSH			mm		1:1		GENERAL TOLERANCES (UNLESS SPECIFIED)				ANGULAR TOL		± 1.0 °		EC NO: 726420 DRWN: RSILLER 2022/10/28 CHK'D: THAERDT 2022/10/28 APPR: THAERDT 2022/10/28				PRODUCT CUSTOMER DRAWING			4 PLACES		±		3 PLACES		±		INITIAL REVISION: DRWN: JMARSZALEK 2016/01/11 APPR: RSILLER 2016/04/08			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	2 PLACES		± 0.05		1200651978		PSD	000	A11	1 PLACE		± 0.3										0 PLACES		± 0.5										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER								A3-SIZE		120065				GENERAL MARKET		4 OF 4	
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						A3-SIZE		120065				GENERAL MARKET		4 OF 4																																																																																																																					
DOCUMENT STATUS	P1	RELEASE DATE	2022/10/28	12:26:20																																																																																																																															
	9	8	7	6	5	4	3	2	1																																																																																																																										