

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

88X0X1XXXXXX

88=Micro-Change
M12x1
Double ended

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

Heads style:
031=Plug Female 90°
to Plug Male Straight
021=Plug Female 90°
to Plug Male Straight
with Female
Coupling Nut

Cable type: See Table

Units:
M=Meter
C=Centimeter

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

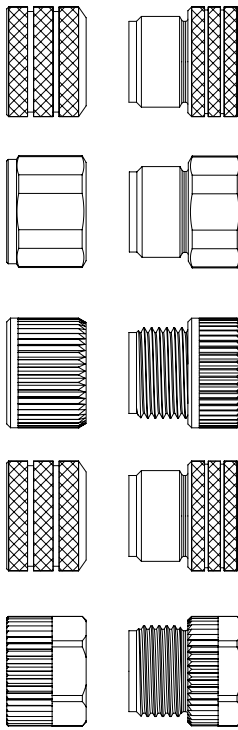
Options:

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables
A09, S19, S20, S26
Blank=Yellow TPE-E for cables
K03, K05
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables Ixx & P82 always with 2 pcs. of
I/D Carrier even if no H in Engineering No.)

COUPLING NUT
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
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
K03	4	18AWG	TPE YELLOW	UL ITC or PLC	I/II A/B 90°C/300V	max 105°C	-	-	-
K05	3 / 4 / 5	22AWG	TPE YELLOW	UL ITC or PLC	I/II A/B 90°C/300V	max 105°C	-	-	-
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
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.	-	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LSOH	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	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
H08	8	0.25mm²	PUR BLACK LSOH	UL 21198/10493	UL 21198/10493	-40°C to +80°C, >5xO.D.	-25°C to +80°C, >10xO.D.	2 000 000 cycles, Temp max 60°C	-
P02	8	0.25mm²	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

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

4 PLACES

±

3 PLACES

±

2 PLACES

±

0.05

1 PLACE

±

0.3

0 PLACES

±

0.5

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120066

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

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#510807.

EC NO: 726454

DRWN: LIKITV

CHK'D: GGA

APPR: GGA

2022/11/30

2022/11/30

2022/11/30

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/10/06

2016/12/08

DOCUMENT NUMBER

1200660973

DOC TYPE

PSD

DOC PART

000

REVISION

A10

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

SEE SHEET 3, 4

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 4

moLEX

CSE M12 XP AC FE RA MA STR XM DE

DOCUMENT STATUS

P1

RELEASE DATE

2022/11/30

11:33:47

FORMAT: master-bb-prod-A3
REVISION: J
DATE: 2020/01/14

987654321

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				
1	1200060052	884031I20M005	0.5m	36	1200072725	885031I26M005	0.5m	71	1200665039	884031S20M003	0.3m				
2	1200060053	884031I20M010	1m	37	1200072726	885031I26M010	1m	72	1200665053	884031S20M060H	6m				
3	1200060054	884031I20M015	1.5m	38	1200659070	884031I20M010Y	1m	73	1200665074	884031K05M080	8m				
4	1200060055	884031I20M020	2m	39	1200659071	884031I20M015Y	1.5m	74	1200668052	883031S20M006	0.6m				
5	1200070132	883031I03M003	0.3m	40	1200659115	884031I20M005Y	0.5m	75	1200668071	884031S20M020	2m				
6	1200070133	883031I03M006	0.6m	41	1200660374	884031K05M005	0.5m	76	1200668191	883031S20M030	3m				
7	1200070134	883031I03M010	1m	42	1200660375	884031K05M006	0.6m	77	1200668237	883031S20M100	10m				
8	1200070136	883031I03M020	2m	43	1200660376	884031K05M010	1m	78	1200668258	883031I03M080	8m				
9	1200070137	883031I03M030	3m	44	1200660377	884031K05M015	1.5m	79	1200668287	884031I20M025	2.5m				
10	1200070138	883031I03M050	5m	45	1200660378	884031K05M020	2m	80	1200668667	884031I20M030Y	3m				
11	1200070152	883031S20M010	1m	46	1200660379	884031K05M030	3m	81	1200070443	884021S20M003	0.3m				
12	1200070153	883031S20M020	2m	47	1200660380	884031K05M040	4m	82	1200070444	884021S20M006	0.6m				
13	1200070156	883031S20M050	5m	48	1200660381	884031K05M050	5m	83	1200070445	884021S20M010	1m				
14	1200070522	884031I03M020	2m	49	1200660382	884031K05M060	6m	84	1200070446	884021S20M020	2m				
15	1200070523	884031I03M030	3m	50	1200660383	884031S20M010	1m	85	1200070447	884021S20M030	3m				
16	1200070534	884031S20M030	3m	51	1200660546	884031K05M100	10m	86	1200070449	884021S20M050	5m				
17	1200070651	884031I03M006	0.6m	52	1200661046	885031K03M010	1m	87	1200668160	883021S20M010	1m				
18	1200070768	884031S20M050	5m	53	1200661047	885031K03M020	2m	88	1200668608	883031E02M020	2m				
19	1200070783	884031S20M100H	10m	54	1200661049	885031K03M040	4m	89	1200668613	883031E02M030	3m				
20	1200071138	884031S20M010H	1m	55	1200661050	885031K03M050	5m	90	1200659035	883031E02M050	5m				
21	1200071139	884031S20M020H	2m	56	1200661769	884031K05M150	15m	91	1200668612	883031E02M100	10m				
22	1200071164	884031S20M003H	0.3m	57	1200669556	885031P03M015	1.5m	92	1200668908	883031E03M003H	0.3m				
23	1200071179	884031S20M006H	0.6m	58	1200660969	884031K03M003	0.3m	93	1200070118	883031E03M006	0.6m				
24	1200071183	884031S20M030H	3m	59	1200661481	884031K03M120	12m	94	1200668909	883031E03M006H	0.6m				
25	1200071189	884031S20M050H	5m	60	1200660971	884031K03M006	0.6m	95	1200070119	883031E03M010	1m				
26	1200071200	884031S20M015H	1.5m	61	1200660973	884031K03M010	1m	96	1200668910	883031E03M010H	1m				
27	1200071236	884031S20M005H	0.5m	62	1200660975	884031K03M015	1.5m	97	1200070945	883031E03M015	1.5m				
28	1200071280	884031S20M040H	4m	63	1200660976	884031K03M020	2m	98	1200668967	883031E03M015H	1.5m				
29	1200071341	884031I20M030	3m	64	1200660977	884031K03M030	3m	99	1200070121	883031E03M020	2m				
30	1200071493	883031P82M0507	5m	65	1200660978	884031K03M040	4m	100	1200072445	883031E03M020H	2m				
31	1200071832	884031I20M050	5m	66	1200660980	884031K03M050	5m	101	1200070123	883031E03M030	3m				
32	1200071833	884031I20M100	10m	67	1200660982	884031K03M060	6m	102	1200668911	883031E03M030H	3m				
33	1200071893	884031S20M100	10m	68	1200660983	884031K03M070	7m	103	1200072164	883031E03M040	4m				
34	1200071994	885031P82M0307	3m	69	1200660984	884031K03M090	9m	104	1200668968	883031E03M040H	4m				
35	1200072696	883031S20M010H	1m	70	1200660985	884031K03M100	10m	105	1200070125	883031E03M050	5m				

[illegible]