

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

OPTIONS

4

4

X

0

3

1

X

X

X

X

X

X

X

X

44=Nano-Change
M8x1
Double ended

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

Heads style:
031=Plug Female 90°
to Plug Male Straight

Cable type: See Table

Units:
M=Meter

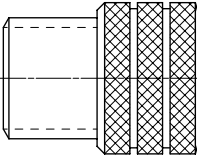
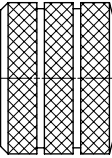
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

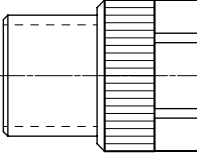
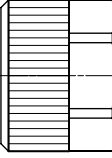
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

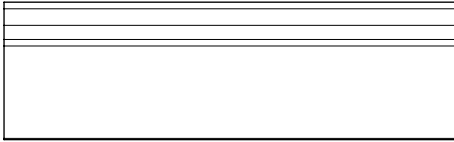
Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
9=Knurled / Hexagonal SW9 Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with 2 pcs. of
I/D Carrier)

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
E02	3 / 4 / 5	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.	-	-
H08	3 / 4 / 5	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	-
I02	3 / 4	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
P02	3 / 4 / 5	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P82	3	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.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

SYMBOLS

▽ = 0

▽ = 0

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

DIMENSION UNITS

mm

SCALE

2:1

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 ADDED

EC NO: 710179
DRWN: ARPITT 2022/06/13
CHK'D: FDAFERNER 2022/06/15
APPR: FDAFERNER 2022/06/15

INITIAL REVISION:
DRWN: JMARSZALEK 2016/10/20
APPR: RSILLER 2017/01/11

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120087

molex

CSE M8 M8 XP AC BC FE RA MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200878243

DOC TYPE

PSD

DOC PART

000

REVISION

A4

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

10		9		8		7		6		5		4		3		2		1			
PART LIST																					
F	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length	No.	Molex PN	Engineering No.	Cable Length					
	1	1200280016	443031E02M010	1m	36	1200878367	444031E02M030	3m	71				106								
	2	1200281220	443031P82M003	0.3m	37	1200878368	444031E02M050	5m	72				107								
	3	1200281221	443031P82M006	0.6m	38	1200878369	444031E02M100	10m	73				108								
	4	1200281283	443031E02M005	0.5m	39	1200878370	444031P02M003	0.3m	74				109								
E	5	1200875016	443031E02M006	0.6m	40	1200878371	444031P02M006	0.6m	75				110								
	6	1200878128	443031H08M020	2m	41	1200878372	444031P02M010	1m	76				111								
	7	1200878129	443031H08M030	3m	42	1200878373	444031P02M030	3m	77				112								
	8	1200878130	443031H08M050	5m	43	1200878499	443031H08M010	1m	78				113								
	9	1200878196	444031H08M010	1m	44	1200878542	443031E02M015Y	1.5m	79				114								
D	10	1200878197	444031P02M020	2m	45	1200878554	444031H08M006	0.6m	80				115								
	11	1200878242	445031E02M006	0.6m	46	1200878555	444031H08M020	2m	81				116								
	12	1200878243	445031E02M030	3m	47	1200878556	444031H08M050	5m	82				117								
	13	1200878244	445031E02M050	5m	48	1200878557	443031H08M006	0.6m	83				118								
	14	1200878254	444031P02M050	5m	49	1200878595	443031P02M010H	1m	84				119								
C	15	1200878303	443031E02M003	0.3m	50	1200878625	443031P82M050	5m	85				120								
	16	1200878304	443031E02M015	1.5m	51	1200878637	443031E02M002	0.2m	86				121								
	17	1200878305	443031E02M020	2m	52	1200878638	443031E02M025	2.5m	87				122								
	18	1200878306	443031E02M030	3m	53	1200878639	443031E02M065	6.5m	88				123								
	19	1200878307	443031E02M035	3.5m	54	1200878659	443031E02M010H	1m	89				124								
B	20	1200878308	443031E02M050	5m	55</																

No.	Molex PN	Engineering No.	Cable Length
36	1200878367	444031E02M030	3m
37	1200878368	444031E02M050	5m
38	1200878369	444031E02M100	10m
39	1200878370	444031P02M003	0.3m
40	1200878371	444031P02M006	0.6m
41	1200878372	444031P02M010	1m
42	1200878373	444031P02M030	3m
43	1200878499	443031H08M010	1m
44	1200878542	443031E02M015Y	1.5m
45	1200878554	444031H08M006	0.6m
46	1200878555	444031H08M020	2m
47	1200878556	444031H08M050	5m
48	1200878557	443031H08M006	0.6m
49	1200878595	443031P02M010H	1m
50	1200878625	443031P82M050	5m
51	1200878637	443031E02M002	0.2m
52	1200878638	443031E02M025	2.5m
53	1200878639	443031E02M065	6.5m
54	1200878659	443031E02M010H	1m
55	1200878660	443031E02M005H	0.5m
56	1200878664	443031E02M020H	2m
57	1200878667	444031E02M003H	0.3m
58	1200878672	443031E02M002H	0.2m
59	1200878673	443031E02M025H	2.5m
60	1200878674	443031E02M065H	6.5m
61	1200878690	443031E02M015H	1.5m
62	1200878942	445031H08M006	0.6m
63	1200878943	445031H08M010	1m
64	1200878944	445031H08M020	2m
65	1200878945	445031H08M050	5m
66	1200878948	445031E02M010	1m
67	1200878949	445031E02M020	2m
68	1200280400	444031P02M020	2m
69	1200878979	444031H08M030	3m
70	1200878981	445031H08M030	3m

No.	Molex PN	Engineering No.	Cable Length
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FORMAT: master-tb-mod-A3
REVISION: H 10

FORMAT: master-tb-mod-A3
REVISION: H 10