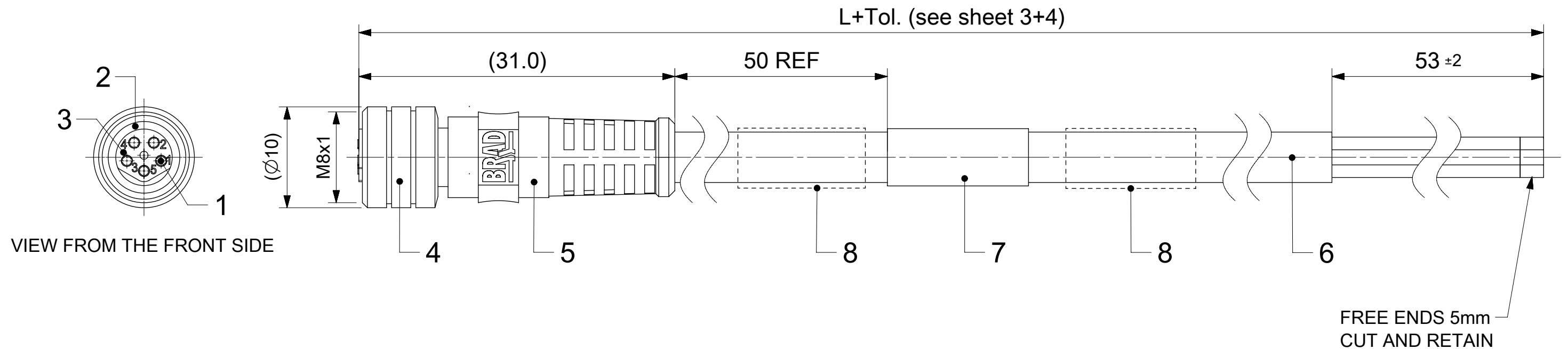


FEMALE PLUG M8 STRAIGHT



NOTES:

RATED VOLTAGE: 3 contacts 60V AC/DC

4 and 5 contacts 30V AC/DC

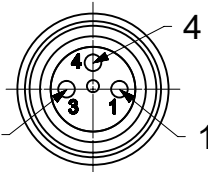
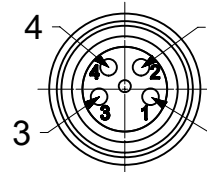
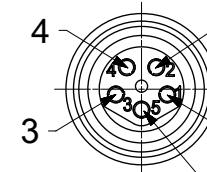
CURRENT RATING: 3, 4, 5 contacts 3A

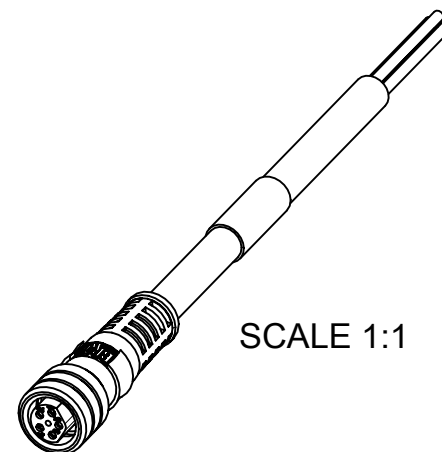
PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS	
FEMALE						
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN
	3	BLUE	2	WHITE	2	WHITE
	4	BLACK	3	BLUE	3	BLUE
			4	BLACK	4	BLACK
				5	GREY	
CODING ACCORDING TO IEC 61076-2-104						



FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

8	2	I/D CARRIER (SEE MATRIX)	---	---
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT M8 FEMALE	BRASS	SEE SHEET 2
3	1	INSERT FEMALE BLACK	TPU	---
2	1	O-RING RED	FKM	---
1	3 / 4 / 5	CONTACT M8 FEMALE	COPPER	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS	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: PACKAGING SPEC ADDED, NEW P/N'S ADDED					molex				
	mm	2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± 1.0 °												
= 0	4 PLACES	±	EC NO: 770174 DRWN: RSCHIEBER2023/10/18 CHK'D: RSILLER2023/11/30 APPR: RSILLER2023/11/30					M8 SINGLE ENDED FEMALE STRAIGHT				
= 0	3 PLACES	±										
= 0	2 PLACES	± 0.05										
DIVISIONAL SYMBOLS	1 PLACE	± 0.3	INITIAL REVISION: DRWN: AKONDRACIUK2017/02/16 APPR: MIWASIECZKO2017/11/16					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	0 PLACES	± 0.5						1200860594		PSD	000	A10
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
					A3-SIZE	120086	SEE PART LIST		GENERAL MARKET		1 OF 4	

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

OPTIONS

4

0

X

0

0

0

X

X

X

X

X

X

X

X

40=Nano-Change
M8x1
Double ended

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

Heads style:
000=Plug Female Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter

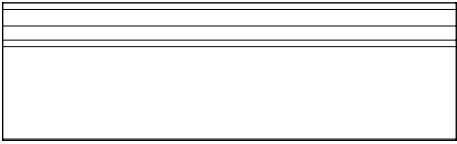
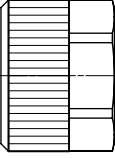
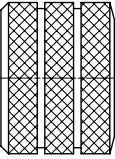
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

Overmold color:
Blank (Standard) = Black
A = Grey / G = Black / Y = Yellow
For cables K03, K05, A09, S19,
S20, S26 & A10 = Yellow

Coupling Nut material:
Blank = Standard
1 = Stainless steel
2 = Nylon
3 = Nickel plated Brass
4 = Valox (polyester)
5 = Delrin
6 = clear anodized alum.
7 = Teflon coat
Blank = 7 for cables: I20, I26, K03, K05, P82, S26
8 = Type 316 stainless steel
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



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.	-	-
E18	3 / 4	0.20mm²	PVC YELLOW	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E51	4	0.25mm²	PVC GREY	-	-	-	-	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E54	3	0.25mm²	PVC GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
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	-
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	-
H69	4	0.20mm²	PUR GRAY LS0H	-	-	-	-	-	-
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.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P18	4	0.20mm²	PUR YELLOW	-	-	-	-	-	-
P82	3	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
L03	3	0.34mm²	Blend PUR ORANGE	-	-	-30°C to +90°C	-5°C to +90°C	-	-
A10	3 / 4 / 5	0.25mm²	PVC YELLOW	UL 2661	I/II A/B 105°C/300V	-	-	-	-

FUNCTIONAL SYMBOLS
FA= 0
FE= 0
FE= 0
DIVISIONAL SYMBOLS

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: PACKAGING SPEC ADDED, NEW P/N'S ADDED
EC NO: 770174
DRWN: RSCHIEBER 2023/10/18
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30
INITIAL REVISION:
DRWN: AKONDRACIUK 2017/02/16
APPR: MIWASIECZKO 2017/11/16
THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 120086

molex

M8 SINGLE ENDED FEMALE STRAIGHT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200860594
DOC TYPE: PSD
DOC PART: 000
REVISION: A10
MATERIAL NUMBER: SEE PART LIST
CUSTOMER: GENERAL MARKET
SHEET NUMBER: 2 OF 4

DOCUMENT STATUS: P1
RELEASE DATE: 2023/11/30 13:30:50

987654321

10	9	8	7	6	5	4	3	2	1		
PART LIST											
Pos.	Part. No	Engineering No.	Cable Length	Pos.	Part. No	Engineering No.	Cable Length	Pos.	Part. No	Engineering No.	Cable Length
1	1200270066	403000E02M020	2m	36	1200868266	403000E02M045	4.5m	71	1200271409	403000H08M010	1m
2	1200270067	403000E02M030	3m	37	1200868267	403000E02M0501	5m	72	1200271442	403000H08M020G	2m
3	1200270068	403000E02M050	5m	38	1200868268	403000E02M060	6m	73	1200868045	403000H08M020	2m
4	1200270070	403000E02M100	10m	39	1200868339	404000E02C200	2m	74	1200868053	404000H08M050	5m
5	1200270127	404000E02M020	2m	40	1200868340	404000E02M015	1.5m	75	1200868060	404000H08M030	3m
6	1200270129	404000E02M050	5m	41	1200868341	404000E02M0201	2m	76	1200868101	403000H08M050	5m
7	1200270131	404000E02M100	10m	42	1200868342	404000E02M040	4m	77	1200868115	403000H08M100	10m
8	1200270132	404000E02M150	15m	43	1200868343	404000E02M0501	5m	78	1200868116	403000H08M200	20m
9	1200270133	404000E02M200	20m	44	1200868344	404000E02M080	8m	79	1200868117	404000H08M100	10m
10	1200270400	403000E02M010	1m	45	1200868345	404000E02M110	11m	80	1200868118	404000H08M200	20m
11	1200270549	404000E02M010	1m	46	1200868346	404000E02M170	17m	81	1200868122	403000H08M030	3m
12	1200271410	403000E02M012	1.2m	47	1200868347	404000E02M210	21m	82	1200868162	404000H08M040	4m
13	1200271417	403000E02M006	0.6m	48	1200868348	404000E02M250	25m	83	1200868207	404000H08M020	2m
14	1200271418	403000E02M015	1.5m	49	1200868423	403000E02M1001	10m	84	1200868209	403000H08M015	1.5m
15	1200271419	403000E02M025	2.5m	50	1200868442	403000E02M020Y	2m	85	1200868214	403000H08M005	0.5m
16	1200271423	404000E02M005	0.5m	51	1200868443	403000E02M050Y	5m	86	1200868215	404000H08M005	0.5m
17	1200865038	403000E02M250	25m	52	1200868444	403000E02M100Y	10m	87	1200868395	405000H08M020	2m
18	1200868015	403000E02M200	20m	53	1200868452	404000E02M050Y	5m	88	1200868404	405000H08M050	5m
19	1200868067	404000E02M050G	5m	54	1200868453	404000E02M100Y	10m	89	1200868405	405000H08M100	10m
20	1200868068	404000E02M100G	10m	55	1200868454	404000E02M150Y	15m	90	1200868468	403000H08M050Y	5m
21	1200868069	404000E02M200G	20m	56	1200868467	403000E02M150Y	15m	91	1200868469	403000H08M100Y	10m
22	1200868070	404000E02M300G	30m	57	1200868473	404000E02M1001	10m	92	1200868487	404000H08M010	1m
23	1200868071	404000E02M400G	40m	58	1200868508	404000E02M050H	5m	93	1200868596	403000H08M010Y	1m
24	1200868075	404000E02M020G	2m	59	1200868509	404000E02M100H	10m	94	1200868476	403000H09M020	2m
25	1200868090	403000E02M150	15m	60	1200868510	404000E02M150H	15m	95	1200270709	405000P02M020	2m
26	1200868099	405000E02M020	2m	61	1200868511	404000E02M030H	3m	96	1200860475	405000P02M050	5m
27	1200868109	403000E02M100G	10m	62	1200868518	404000E02C230	2.3m	97	1200860594	405000P02M100	10m
28	1200868114	404000E02M030	3m	63	1200868571	405000E02M120	12m	98	1200868001	403000P02M020	2m
29	1200868151	405000E02M040	4m	64	1200868572	405000E02M030	3m	99	1200868002	403000P02M050	5m
30	1200868171	405000E02M050	5m	65	1200868685	403000E02M050H	5m	100	1200868003	403000P02M100	10m
31	1200868172	405000E02M100	10m	66	1200868696	404000E02M0509H	5m	101	1200868148	405000P02M005	0.5m
32	1200868262	403000E02M002	0.2m	67	1200868697	404000E02M1009H	10m	102	1200868156	404000P02M020	2m
33	1200868263	403000E02M003	0.3m	68	1200868698	404000E02M1509H	15m	103	1200868157	404000P02M050	5m
34	1200868264	403000E02M020H	2m	69	1200868774	404000E02M060	6m	104	1200868158	404000P02M100	10m
35	1200868265	403000E02M035	3.5m	70	1200868776	404000E02M070	7m	105	1200868274	403000P02C350	3.5m

PART LIST

Pos.	Part. No	Engineering No	Cable Length
141	1200270084	403000I02M100	10m
142	1200270148	404000I02M020	2m
143	1200270149	404000I02M050	5m
144	1200270360	404000I02M100	10m
145	1200860041	404000I02M030	3m
146	1200868269	403000I02M005	0.5m
147	1200868270	403000I02M006	0.6m
148	1200868271	403000I02M010	1m
149	1200868272	403000I02M025	2.5m
150	1200868273	403000I02M150	15m
151	1200868349	404000I02M003	0.3m
152	1200868445	403000I02M030Y	3m
153	1200868446	403000I02M050Y	5m
154	1200868447	403000I02M100Y	10m
155	1200868455	404000I02M020Y	2m
156	1200868456	404000I02M050Y	5m
157	1200868460	404000I02M100Y	10m
158	1200868507	403000I02M020Y	2m
159	1200868566	404000I02M030Y	3m
160	1200270032	403000P82M050	5m
161	1200271180	403000P82M020	2m
162	1200868183	403000P82M0507	5m
163	1200868192	403000P82M0207	2m
164	1200868212	403000P82M005	0.5m
165	1200868233	403000P82M010	1m
166	1200868420	403000P82M1007	10m
167	1200868470	403000P82M0207Y	2m
168	1200868482	403000P82M010Y	1m
169	1200271449	403000P18M070	7m
170	1200860101	403000A10M015	1.5m
171	1200860102	403000A10M020	2m
172	1200860107	403000A10M050	5m
173	1200860111	403000A10M100	10m
174	1200860112	403000A10M150	15m
175	1200860144	404000A10M020	2m

Pos.	Part. No	Engineering No	Cable Length
176	1200860145	404000A10M030	3m
177	1200860147	404000A10M050	5m
178	1200860155	404000A10M100	10m
179	1200860191	405000A10M020	2m
180	1200270140	404000E18M050	5m
181	1200270581	403000E18M020	2m
182	1200270606	403000E18M100	10m
183	1200860667	405000P02M200	20m
184	1200868849	405000H08M010	1m
185	1200868857	405000E02M010	1m
186	1200868934	404000H08M050H	5m
187	1200869026	404000H09M005	0.5m
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					<table><tr><td colspan="2">FUNCTIONAL SYMBOLS</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td></td><td>=</td><td>0</td><td>mm</td><td>SCALE</td><td>1:1</td><td colspan="2" rowspan="4">CURRENT REV DESC: PACKAGING SPEC ADDED, NEW P/N 'S ADDED</td><td colspan="4" rowspan="2"></td></tr><tr><td></td><td>=</td><td>0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td></td><td>=</td><td>0</td><td colspan="2">ANGULAR TOL ± 1.0 °</td><td colspan="2" rowspan="3">EC NO: 770174 DRWN: RSCHIEBER 2023/10/18 CHK'D: RSILLER 2023/11/30 APPR: RSILLER 2023/11/30</td><td colspan="4" rowspan="2">M8 SINGLE ENDED FEMALE STRAIGHT</td></tr><tr><td colspan="2">DIVISIONAL SYMBOLS</td><td>4 PLACES</td><td>±</td></tr><tr><td colspan="2"></td><td>3 PLACES</td><td>±</td><td colspan="2">INITIAL REVISION:</td><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2"></td><td>2 PLACES</td><td>± 0.05</td><td colspan="2">DRWN: AKONDRACIUK 2017/02/16</td><td colspan="2">1200860594</td><td>PSD</td><td>000</td><td>A10</td></tr><tr><td colspan="2"></td><td>1 PLACE</td><td>± 0.3</td><td colspan="2">APPR: MIWASIECZKO 2017/11/16</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td>SHEET NUMBER</td></tr><tr><td colspan="2"></td><td>0 PLACES</td><td>± 0.5</td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">THIRD ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td></td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">A3-SIZE</td><td colspan="2">120086</td><td>SEE PART LIST</td><td>GENERAL MARKET</td><td>4 OF 4</td></tr></table>										FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			=	0	mm	SCALE	1:1	CURRENT REV DESC: PACKAGING SPEC ADDED, NEW P/N 'S ADDED							=	0	GENERAL TOLERANCES (UNLESS SPECIFIED)			=	0	ANGULAR TOL ± 1.0 °		EC NO: 770174 DRWN: RSCHIEBER 2023/10/18 CHK'D: RSILLER 2023/11/30 APPR: RSILLER 2023/11/30		M8 SINGLE ENDED FEMALE STRAIGHT				DIVISIONAL SYMBOLS		4 PLACES	±			3 PLACES	±	INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION			2 PLACES	± 0.05	DRWN: AKONDRACIUK 2017/02/16		1200860594		PSD	000	A10			1 PLACE	± 0.3	APPR: MIWASIECZKO 2017/11/16		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			0 PLACES	± 0.5	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES								A3-SIZE		120086		SEE PART LIST	GENERAL MARKET	4 OF 4
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																									
	=	0	mm	SCALE	1:1	CURRENT REV DESC: PACKAGING SPEC ADDED, NEW P/N 'S ADDED																																																																																																					
	=	0	GENERAL TOLERANCES (UNLESS SPECIFIED)																																																																																																								
	=	0	ANGULAR TOL ± 1.0 °		EC NO: 770174 DRWN: RSCHIEBER 2023/10/18 CHK'D: RSILLER 2023/11/30 APPR: RSILLER 2023/11/30			M8 SINGLE ENDED FEMALE STRAIGHT																																																																																																			
DIVISIONAL SYMBOLS		4 PLACES	±																																																																																																								
		3 PLACES	±	INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION																																																																																																
		2 PLACES	± 0.05	DRWN: AKONDRACIUK 2017/02/16		1200860594		PSD	000	A10																																																																																																	
		1 PLACE	± 0.3	APPR: MIWASIECZKO 2017/11/16		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER																																																																																																	
		0 PLACES	± 0.5	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES																																																																																																		
						A3-SIZE		120086		SEE PART LIST	GENERAL MARKET	4 OF 4																																																																																															
DOCUMENT STATUS	P1	RELEASE DATE	2023/11/30	13:30:50																																																																																																							