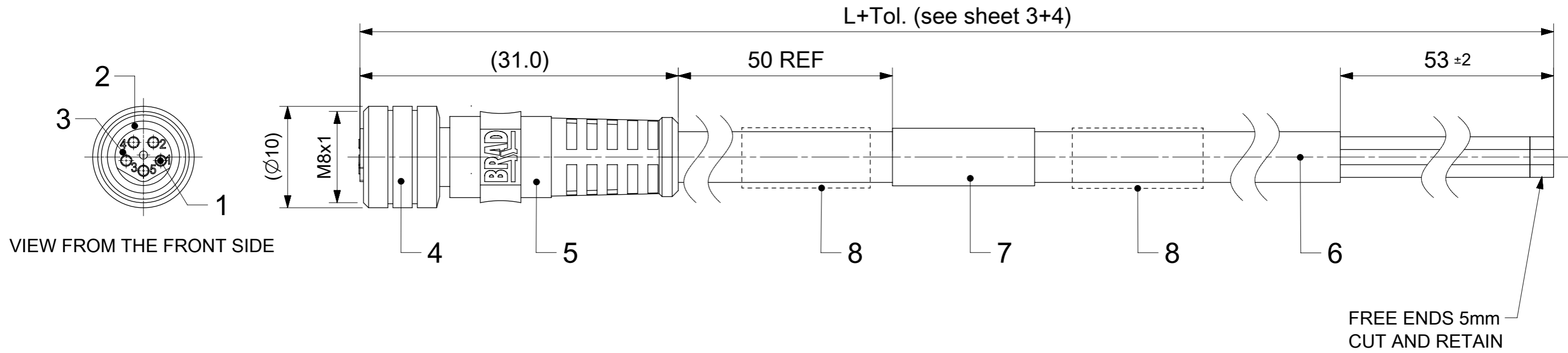


FEMALE PLUG M8 STRAIGHT



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

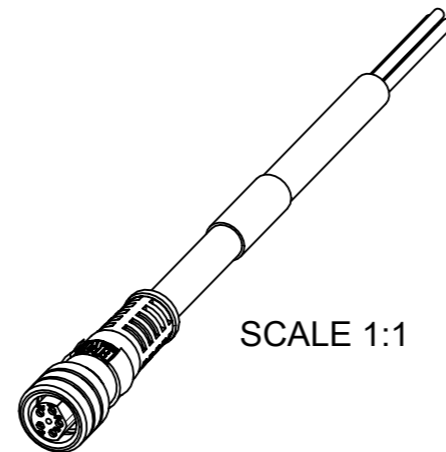
CONTACTS POSITION FRONT VIEW:

	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

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
8	2	I/D CARRIER (SEE MATRIX)	---	---
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES Ixx	---	---
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



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MATRIX UPDATED	
▲/A = 0	DIMENSION UNITS	SCALE	 M8 SINGLE ENDED FEMALE STRAIGHT PRODUCT CUSTOMER DRAWING	
▲/E = 0	mm	2:1		
▲/V = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	ANGULAR TOL ± °		EC NO: 670691	
	4 PLACES ±	DRWN: RSCHIEBER		2021/07/19
	3 PLACES ±	CHK'D: RSILLER		2021/07/19
	2 PLACES ±	APPR: RSILLER		2021/07/19
	1 PLACE ±	INITIAL REVISION:		
0 PLACES ±	DRWN: AKONDRACIUK		2017/02/16	DOCUMENT NUMBER
	APPR: MIWASIECZKO		2017/11/16	1200860594
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A3-SIZE	120086
		MATERIAL NUMBER	CUSTOMER	DOC TYPE DOC PART REVISION
		SEE SHEET 3-4	GENERAL MARKET	PSD 000 A8
		SHEET NUMBER		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 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

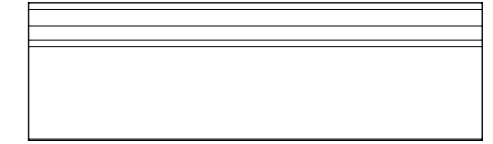
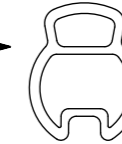
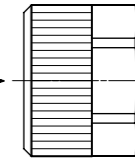
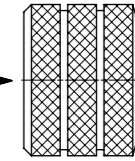
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

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	0.25mm ²	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	0.20mm ²	PVC YELLOW	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E51	4	0.25mm ²	PVC GREY	-	-	-	-	-	-
E52	3 / 4 / 8	0.34mm ²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E54	3	0.25mm ²	PVC GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
H08	3 / 4 / 5	0.25mm ²	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	0.34mm ²	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	0.20mm ²	PUR GRAY LS0H	-	-	-	-	-	-
I02	3 / 4	0.25mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
P02	3 / 4 / 5	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P18	4	0.20mm ²	PUR YELLOW	-	-	-	-	-	-
P82	3	0.34mm ²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
K05	3 / 4 / 5	0.34mm ²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
L03	3	0.34mm ²	Blend PUR ORANGE	-	-	-30°C to +90°C	-5°C to +90°C	-	-
A10	3 / 4 / 5	0.25mm ²	PVC YELLOW	UL 2661	I/II A/B 105°C/300V	-	-	-	-

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: MATRIX UPDATED		molex		
	FUNCTIONAL SYMBOLS	SCALE: 2:1	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 670691	2021/07/19	M8 SINGLE ENDED FEMALE STRAIGHT		
	3 PLACES ±	DRWN: RSCHIEBER	2021/07/19	PRODUCT CUSTOMER DRAWING		
	2 PLACES ±	CHK'D: RSILLER	2021/07/19	DOCUMENT NUMBER: 1200860594		
	1 PLACE ±	APPR: RSILLER	2021/07/19	DOC TYPE: PSD	DOC PART: 000	REVISION: A8
	0 PLACES ±	INITIAL REVISION: DRWN: AKONDRACIUK	2017/02/16	SHEET NUMBER: 2 OF 4		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 120086	MATERIAL NUMBER: SEE SHEET 3-4	CUSTOMER: GENERAL MARKET

PART LIST

Pos.	Part. No	Engineering No.	Cable Length	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	1200868263	403000E02M003	0.3m	71	1200868698	404000E02M1509H	15m	106	1200868003	403000P02M100	10m
2	1200270067	403000E02M030	3m	37	1200868264	403000E02M020H	2m	72	1200868774	404000E02M060	6m	107	1200868148	405000P02M005	0.5m
3	1200270068	403000E02M050	5m	38	1200868265	403000E02M035	3.5m	73	1200868776	404000E02M070	7m	108	1200868156	404000P02M020	2m
4	1200270070	403000E02M100	10m	39	1200868266	403000E02M045	4.5m	74	1200271409	403000H08M010	1m	109	1200868157	404000P02M050	5m
5	1200270127	404000E02M020	2m	40	1200868267	403000E02M0501	5m	75	1200271442	403000H08M020G	2m	110	1200868158	404000P02M100	10m
6	1200270129	404000E02M050	5m	41	1200868268	403000E02M060	6m	76	1200868045	403000H08M020	2m	111	1200868274	403000P02C350	3.5m
7	1200270131	404000E02M100	10m	42	1200868339	404000E02C200	2m	77	1200868053	404000H08M050	5m	112	1200868275	403000P02M002	0.2m
8	1200270132	404000E02M150	15m	43	1200868340	404000E02M015	1.5m	78	1200868060	404000H08M030	3m	113	1200868276	403000P02M002G	0.2m
9	1200270133	404000E02M200	20m	44	1200868341	404000E02M0201	2m	79	1200868101	403000H08M050	5m	114	1200868277	403000P02M003	0.3m
10	1200270400	403000E02M010	1m	45	1200868342	404000E02M040	4m	80	1200868115	403000H08M100	10m	115	1200868278	403000P02M003G	0.3m
11	1200270549	404000E02M010	1m	46	1200868343	404000E02M0501	5m	81	1200868116	403000H08M200	20m	116	1200868279	403000P02M005	0.5m
12	1200271410	403000E02M012	1.2m	47	1200868344	404000E02M080	8m	82	1200868117	404000H08M100	10m	117	1200868280	403000P02M006	0.6m
13	1200271417	403000E02M006	0.6m	48	1200868345	404000E02M110	11m	83	1200868118	404000H08M200	20m	118	1200868281	403000P02M010	1m
14	1200271418	403000E02M015	1.5m	49	1200868346	404000E02M170	17m	84	1200868122	403000H08M030	3m	119	1200868282	403000P02M012	1.2m
15	1200271419	403000E02M025	2.5m	50	1200868347	404000E02M210	21m	85	1200868162	404000H08M040	4m	120	1200868283	403000P02M018	1.8m
16	1200271423	404000E02M005	0.5m	51	1200868348	404000E02M250	25m	86	1200868207	404000H08M020	2m	121	1200868284	403000P02M022	2.2m
17	1200865038	403000E02M250	25m	52	1200868423	403000E02M1001	10m	87	1200868209	403000H08M015	1.5m	122	1200868285	403000P02M030	3m
18	1200868015	403000E02M200	20m	53	1200868442	403000E02M020Y	2m	88	1200868214	403000H08M005	0.5m	123	1200868286	403000P02M032	3.2m
19	1200868067	404000E02M050G	5m	54	1200868443	403000E02M050Y	5m	89	1200868215	404000H08M005	0.5m	124	1200868287	403000P02M035	3.5m
20	1200868068	404000E02M100G	10m	55	1200868444	403000E02M100Y	10m	90	1200868395	405000H08M020	2m	125	1200868288	403000P02M040	4m
21	1200868069	404000E02M200G	20m	56	1200868452	404000E02M050Y	5m	91	1200868404	405000H08M050	5m	126	1200868289	403000P02M050G	5m
22	1200868070	404000E02M300G	30m	57	1200868453	404000E02M100Y	10m	92	1200868405	405000H08M100	10m	127	1200868290	403000P02M055	5.5m
23	1200868071	404000E02M400G	40m	58	1200868454	404000E02M150Y	15m	93	1200868468	403000H08M050Y	5m	128	1200868291	403000P02M080	8m
24	1200868072	404000E02M500G	50m	59	1200868467	403000E02M150Y	15m	94	1200868469	403000H08M100Y	10m	129	1200868292	403000P02M150	15m
25	1200868073	404000E02M700G	70m	60	1200868473	404000E02M1001	10m	95	1200868487	404000H08M010	1m	130	1200868351	404000P02M003	0.3m
26	1200868074	404000E02M1K0G	100m	61	1200868508	404000E02M050H	5m	96	1200868596	403000H08M010Y	1m	131	1200868352	404000P02M030	3m
27	1200868075	404000E02M020G	2m	62	1200868509	404000E02M100H	10m	97	1200868476	403000H09M020	2m	132	1200868353	404000P02M040	4m
28	1200868090	403000E02M150	15m	63	1200868510	404000E02M150H	15m	98	1200860468	403000P03M050GQ	5m	133	1200868354	404000P02M070	7m
29	1200868099	405000E02M020	2m	64	1200868511	404000E02M030H	3m	99	1200868030	404000P03M200G	20m	134	1200868355	404000P02M500	50m
30	1200868109	403000E02M100G	10m	65	1200868518	404000E02C230	2.3m	100	1200270709	405000P02M020	2m	135	1200868517	403000P02M200	20m
31	1200868114	404000E02M030	3m	66	1200868571	405000E02M120	12m	101	1200270854	405000P02M075G	7.5m	136	1200868530	404000P02M010	1m
32	1200868151	405000E02M040	4m	67	1200868572	405000E02M030	3m	102	1200860475	405000P02M050	5m	137	1200868627	405000P02M050Y	5m
33	1200868171	405000E02M050	5m	68	1200868685	403000E02M050H	5m	103	1200860594	405000P02M100	10m	138	1200868773	404000P02M060	6m
34	1200868172	405000E02M100	10m	69	1200868696	404000E02M0509H	5m	104	1200868001	403000P02M020	2m	139	1200868775	404000P02M200	20m
35	1200868262	403000E02M002	0.2m	70	1200868697	404000E02M1009H	10m	105	1200868002	403000P02M050	5m	140	1200270637	403000E52M050G	5m

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

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
	$\frac{A}{\sqrt{A}} = 0$	mm 2:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
DIVISIONAL SYMBOLS	ANGULAR TOL	± °
	4 PLACES	±
	3 PLACES	±
	2 PLACES	±
EC NO: 670691		 <p>M8 SINGLE ENDED FEMALE STRAIGHT</p> <p>PRODUCT CUSTOMER DRAWING</p>
DRWN: RSCHIEBER 2021/07/19		
CHK'D: RSILLER 2021/07/19		
APPR: RSILLER 2021/07/19		
INITIAL REVISION:		DOCUMENT NUMBER
DRWN: AKONDRACIUK 2017/02/16		1200860594
APPR: MIWASIECZKO 2017/11/16		PSD 000 A8
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION
DRAWING		SERIES
A3-SIZE		MATERIAL NUMBER
120086		CUSTOMER
SEE SHEET 3-4		GENERAL MARKET
SHEET NUMBER		3 OF 4


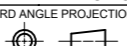
PART LIST

Pos.	Part. No	Engineering No	Cable Length
141	1200860340	403000K05M050	5m
142	1200868431	403000K05M150	15m
143	1200270642	403000L03M005A	0.5m
144	1200270080	403000I02M003	0.3m
145	1200270081	403000I02M020	2m
146	1200270082	403000I02M030	3m
147	1200270083	403000I02M050	5m
148	1200270084	403000I02M100	10m
149	1200270148	404000I02M020	2m
150	1200270149	404000I02M050	5m
151	1200270360	404000I02M100	10m
152	1200860041	404000I02M030	3m
153	1200868269	403000I02M005	0.5m
154	1200868270	403000I02M006	0.6m
155	1200868271	403000I02M010	1m
156	1200868272	403000I02M025	2.5m
157	1200868273	403000I02M150	15m
158	1200868349	404000I02M003	0.3m
159	1200868350	404000I02M050G	5m
160	1200868445	403000I02M030Y	3m
161	1200868446	403000I02M050Y	5m
162	1200868447	403000I02M100Y	10m
163	1200868455	404000I02M020Y	2m
164	1200868456	404000I02M050Y	5m
165	1200868460	404000I02M100Y	10m
166	1200868507	403000I02M020Y	2m
167	1200868566	404000I02M030Y	3m
168	1200270147	404000H69M020	2m
169	1200868100	404000H69M100	10m
170	1200868184	404000H69M010	1m
171	1200270445	404000H69M050	5m
172	1200271440	403000H69M050	5m
173	1200271441	403000H69M020	2m
174	1200270032	403000P82M050	5m
175	1200271042	404000P82M0207	2m

Pos.	Part. No	Engineering No	Cable Length
176	1200271180	403000P82M020	2m
177	1200271305	404000P82M050	5m
178	1200271450	404000P82M0507	5m
179	1200868183	403000P82M0507	5m
180	1200868192	403000P82M0207	2m
181	1200868212	403000P82M005	0.5m
182	1200868213	404000P82M005	0.5m
183	1200868232	404000P82M010	1m
184	1200868233	403000P82M010	1m
185	1200868420	403000P82M1007	10m
186	1200868461	404000P82M0207Y	2m
187	1200868470	403000P82M0207Y	2m
188	1200868481	404000P82M010Y	1m
189	1200868482	403000P82M010Y	1m
190	1200868567	404000P82M0307Y	3m
191	1200868602	404000P82M050Y	5m
192	1200270341	404000P18M050	5m
193	1200270346	404000P18M100	10m
194	1200270863	404000P18M005	0.5m
195	1200271449	403000P18M070	7m
196	1200860101	403000A10M015	1.5m
197	1200860102	403000A10M020	2m
198	1200860107	403000A10M050	5m
199	1200860111	403000A10M100	10m
200	1200860112	403000A10M150	15m
201	1200860144	404000A10M020	2m
202	1200860145	404000A10M030	3m
203	1200860147	404000A10M050	5m
204	1200860155	404000A10M100	10m
205	1200860191	405000A10M020	2m
206	1200270140	404000E18M050	5m
207	1200270581	403000E18M020	2m
208	1200270606	403000E18M100	10m
209	1200868017	403000E18M050	5m
210	1200868028	404000E18M020	2m

Pos.	Part. No	Engineering No	Cable Length
211	1200868029	404000E18M030	3m
212	1200270078	403000E54M050A	5m
213	1200868018	403000E54M030A	3m
214	1200270143	404000E51M020A	2m
215	1200270145	404000E51M050A	5m
216	1200860667	405000P02M200	20m
217	1200868849	405000H08M010	1m
218	1200868857	405000E02M010	1m
219	1200868934	404000H08M050H	5m
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DOCUMENT STATUS	P1	RELEASE DATE	2021/07/19	14:40:35
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FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MATRIX UPDATED		
$\nabla_A = 0$	mm	SCALE	1:1	 M8 SINGLE ENDED FEMALE STRAIGHT		
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 670691			
$\nabla_P = 0$	ANGULAR TOL ± °		DRWN: RSCHIEBER 2021/07/19			
DIVISIONAL SYMBOLS		4 PLACES	±	CHK'D: RSILLER 2021/07/19	PRODUCT CUSTOMER DRAWING	
		3 PLACES	±	APPR: RSILLER 2021/07/19		
		2 PLACES	±	INITIAL REVISION:	DOCUMENT NUMBER	
		1 PLACE	±	DRWN: AKONDRACIUK 2017/02/16	1200860594	
		0 PLACES	±	APPR: MIWASIECZKO 2017/11/16	DOC TYPE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOC PART	
			A3-SIZE	120086	000	
				MATERIAL NUMBER	REVISION	
				SEE SHEET 3-4	A8	
				CUSTOMER	SHEET NUMBER	
				GENERAL MARKET	4 OF 4	