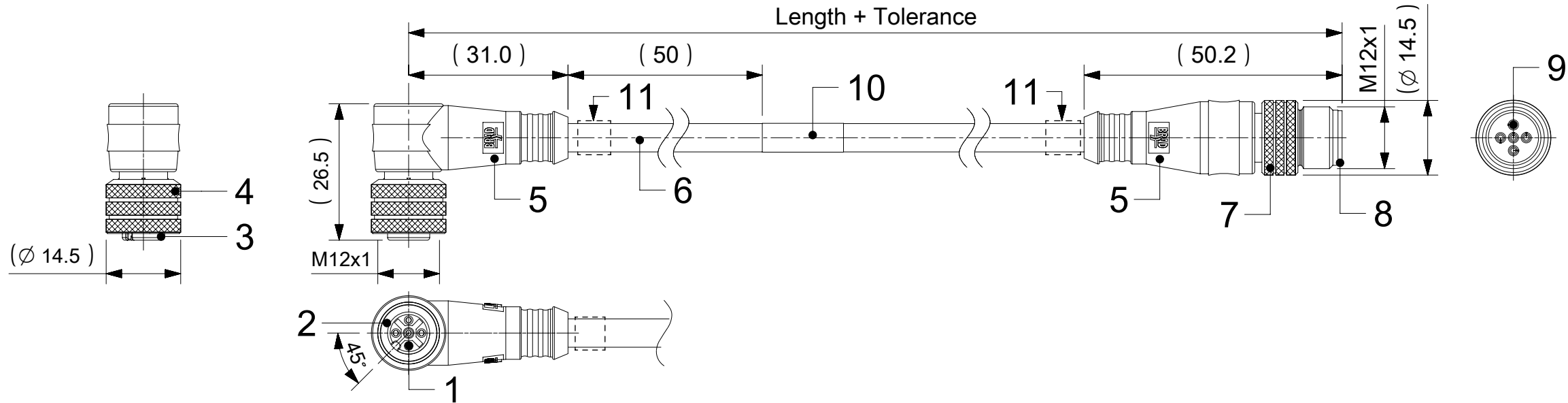


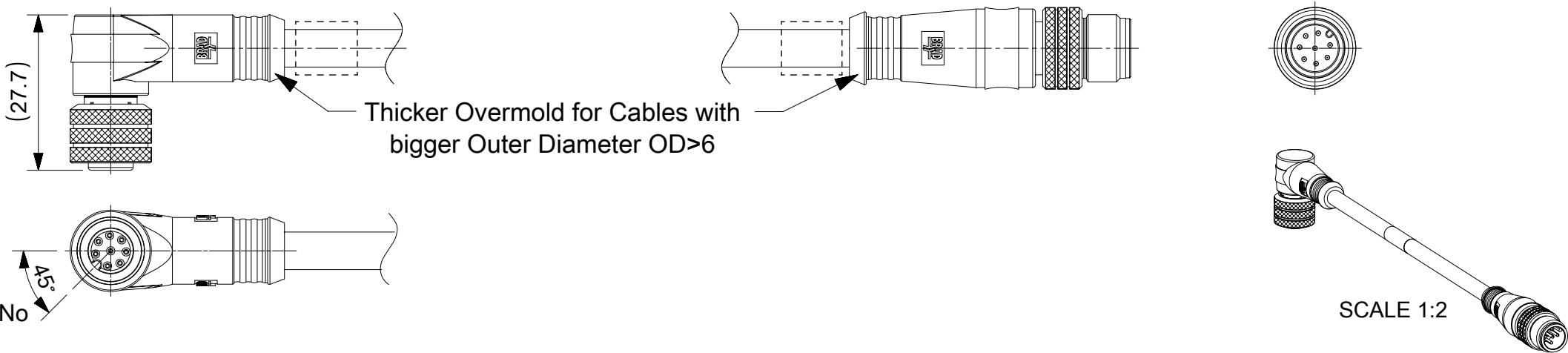
FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

* FOR CABLES lxx USE PRINTING ON THE CABLE IN THE SAME MEASUREMENT LIKE FOR LABEL – ENGINEERING No



CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								
							8	RED

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE PART LIST	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE Au OVER Ni
8	1	INSERT MALE BLACK	SEE PART LIST	---
7	1	COUPLING NUT MALE	SEE PART LIST	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	SEE PART LIST	---
4	1	COUPLING NUT FEMALE	SEE PART LIST	---
3	1	INSERT FEMALE BLACK	SEE PART LIST	---
2	1	O-RING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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: ADD NEW PN FOR NEW LENGTH 7M			molex								
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE RA MA STR XM DE								
ANGULAR TOL ± 1.0 °															
4 PLACES ±															
3 PLACES ±				EC NO: 791338 DRWN: RSILLER 2024/07/03 CHK'D: THAERDT 2024/07/03 APPR: THAERDT 2024/07/03			PRODUCT CUSTOMER DRAWING								
2 PLACES ± 0.05															
1 PLACE ± 0.3															
0 PLACES ± 0.5				INITIAL REVISION: DRWN: JMARSZALEK 2016/10/06 APPR: RSILLER 2016/12/08			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 					DRAWING A3-SIZE		SERIES 120066		1200660973		PSD	000	A11
								SHEET NUMBER		1 OF 4					
								GENERAL MARKET							

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

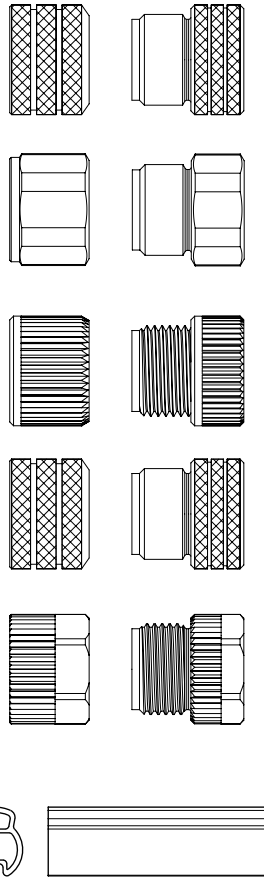
OPTIONS

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 lxx & 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 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	-
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 LS0H	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

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/03	14:19:30
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DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD NEW PN FOR NEW LENGTH 7M				molex		
mm		1:1								
GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE RA MA STR XM DE						
ANGULAR TOL ± 1.0°										
4 PLACES		±		EC NO: 791338		PRODUCT CUSTOMER DRAWING				
3 PLACES		±		DRWN: RSILLER 2024/07/03						
2 PLACES		± 0.05		CHK'D: THAERDT 2024/07/03						
1 PLACE ± 0.3				APPR: THAERDT 2024/07/03		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES ± 0.5				INITIAL REVISION:		1200660973		PSD	000	A11
DRWN: JMARSZALEK 2016/10/06				APPR: RSILLER 2016/12/08		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
THIRD ANGLE PROJECTION				DRAWING		SERIES		GENERAL MARKET		2 OF 4
				A3-SIZE		120066				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

	10	9	8	7	6	5	4	3	2	1			
F	PART LIST										F		
	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
E	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	
D	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	120066891			

FORMAT: master-tb-prod-A3 REVISION: J1 DATE: 2021/05/01	9	8
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4	3	2	1
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10		9		8		7		6		5		4		3		2		1																																																																		
F	E	D	C	B	A	Pos.	Part No.	Engineering No.	Cable Length	Pos.	Part No.	Engineering No.	Cable Length	<table><tr><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>DIMENSION UNITS</td><td>SCALE</td><td rowspan="5">CURRENT REV DESC: ADD NEW PN FOR NEW LENGTH 7M</td><td colspan="4" rowspan="3"> molex CSE M12 XP AC FE RA MA STR XM DE </td></tr><tr><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td></tr><tr><td>ANGULAR TOL</td><td>± 1.0 °</td></tr><tr><td>4 PLACES</td><td>±</td><td>EC NO: 791338</td><td rowspan="3">2024/07/03</td><td colspan="2" rowspan="3">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>3 PLACES</td><td>±</td><td>DRWN: RSILLER</td></tr><tr><td>2 PLACES</td><td>± 0.05</td><td>CHK'D: THAERDT</td></tr><tr><td>1 PLACE</td><td>± 0.3</td><td>APPR: THAERDT</td><td rowspan="3">2024/07/03</td><td colspan="2">INITIAL REVISION:</td><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>0 PLACES</td><td>± 0.5</td><td>DRWN: JMARSZALEK</td><td colspan="2">2016/10/06</td><td colspan="2">1200660973</td><td>PSD</td><td>000</td><td>A11</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>THIRD ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="2"></td><td></td><td>A3-SIZE</td><td>120066</td><td></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: ADD NEW PN FOR NEW LENGTH 7M	molex CSE M12 XP AC FE RA MA STR XM DE				GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL	± 1.0 °	4 PLACES	±	EC NO: 791338	2024/07/03	PRODUCT CUSTOMER DRAWING		3 PLACES	±	DRWN: RSILLER	2 PLACES	± 0.05	CHK'D: THAERDT	1 PLACE	± 0.3	APPR: THAERDT	2024/07/03	INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	0 PLACES	± 0.5	DRWN: JMARSZALEK	2016/10/06		1200660973		PSD	000	A11	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER					A3-SIZE	120066		GENERAL MARKET		4 OF 4	
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			A3-SIZE	120066		GENERAL MARKET		4 OF 4																																																																												
143	1200668210	884031H09M009	0.9m	191	1200656208	888031H08C250	2.5m																																																																													
144	1200668484	884031H09M010	1m	192	1200656209	888031H08M005	0.5m																																																																													
145	1200668848	884031H09M013	1.3m	193	1200656210	888031H08M008	0.8m																																																																													
146	1200668488	884031H09M015	1.5m	194	1200656211	888031H08M012	1.2m																																																																													
147	1200668845	884031H09M018	1.8m	195	1200656212	888031H08M015	1.5m																																																																													
148	1200668212	884031H09M020	2m	196	1200070057	883021E03M006	0.6m																																																																													
149	1200668847	884031H09M021	2.1m	197	1200070058	883021E03M020	2m																																																																													
150	1200668215	884031H09M030	3m	198	1200070439	884021P03M006	0.6m																																																																													
151	1200668670	884031H09M050	5m	199	1200070440	884021P03M010	1m																																																																													
152	1200668671	884031H09M100	10m	200	1200070441	884021P03M020	2m																																																																													
153	1200070526	884031P03M003	0.3m	201	1200070442	884021P03M030	3m																																																																													
154	1200070527	884031P03M006	0.6m	202	1200070870	883021P03M050	5m																																																																													
155	1200060056	884031P03M010	1m	203	1200072191	883021E03M030	3m																																																																													
156	1200060057	884031P03M020	2m	204	1200072198	883021E03M050	5m																																																																													
157	1200070529	884031P03M030	3m	205	1200665038	884021E03M050	5m																																																																													
158	1200071187	884031P03M050	5m	206	1200668061	884021E03M006	0.6m																																																																													
159	1200072012	884031P03M100	10m	207	1200668219	884021E03M030	3m																																																																													
160	1300288001	885031D12M020	2m	208	1200668673	888031E02M0041	0.4m																																																																													
161	1200668658	885031E02M020	2m	209	1200669541	884031P03M015	1.5m																																																																													
162	1200668610	885031E02M050	5m	210	1200669885	884031E03M004	0.4m																																																																													
163	1200668660	885031E02M100	10m	211	1200669886	884031E03M005	0.5m																																																																													
164	1200668339	885031E03M006	0.6m	212	1200669887	884031E03M013	1.3m																																																																													
165	1200668189	885031E03M010	1m	213	1200669888	884031E03M080	8m																																																																													
166	1200668278	885031E03M020	2m	214	1200070510	883031E03M070	7m																																																																													
167	1200668340	885031E03M030	3m																																																																																	
168	1200668279	885031E03M050	5m																																																																																	
169	1200668653	885031E03M070	7m																																																																																	
170	1200668348	885031E03M100	10m																																																																																	
171	1200668761	885031E03M150	15m																																																																																	
172	1200669229	885031H09C250	25m																																																																																	
173	1200668512	885031H09M006	0.6m																																																																																	
174	1200668496	885031H09M010	1m																																																																																	
175	1200668513	885031H09M020	2m																																																																																	
176	1200668514	885031H09M030	3m																																																																																	
177	1200668515	885031H09M050	5m																																																																																	
178	1200668516	885031H09M100	10m																																																																																	
179	1200073085	885031P03M006	0.6m																																																																																	
180	1200668188	885031P03M010	1m																																																																																	
181	1200072376	885031P03M0105	1m																																																																																	
182	1200070917	885031P03M020	2m																																																																																	
183	1200668091	885031P03M025	2.5m																																																																																	
184	1200070919	885031P03M030	3m																																																																																	
185	1200668273	885031P03M050	5m																																																																																	
186	1200073086	885031P03M100	10m																																																																																	
187	1200070434	884021E03M020	2m																																																																																	
188	1200658319	888031H08M050	5m																																																																																	
189	1200668673	888031E02M0041	0.4m																																																																																	
190	1200668849	888031P02M150	15m																																																																																	
DOCUMENT STATUS		P1	RELEASE DATE	2024/07/03	14:19:30																																																																															
9		8		7		6		5		4		3		2		1																																																																				

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: ADD NEW PN FOR NEW LENGTH 7M				molex							
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 791338 DRWN: RSILLER2024/07/03 CHK'D: THAERDT2024/07/03 APPR: THAERDT2024/07/03											
ANGULAR TOL		±	1.0 °												
4 PLACES		±													
3 PLACES		±													
2 PLACES		±	0.05												
1 PLACE		±	0.3	INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		±	0.5												
DRWN: JMARSALEK2016/10/06				APPR: RSILLER2016/12/08				1200660973		PSD		000		A11	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120066				GENERAL MARKET		4 OF 4	