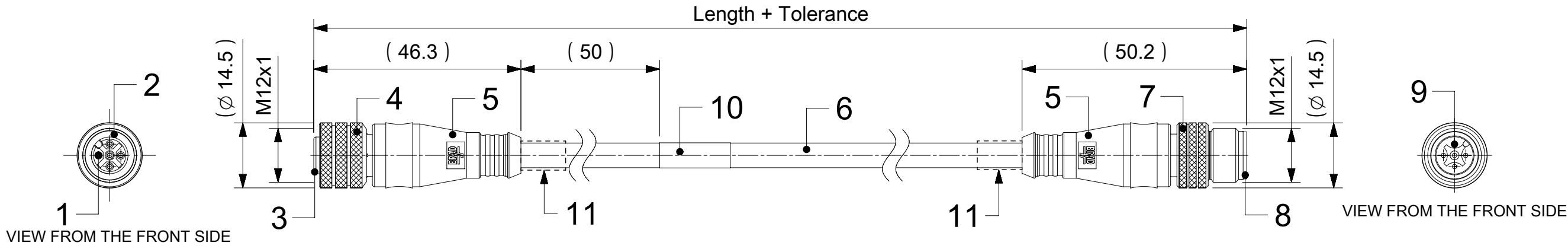


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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

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	GREY	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE SHEET 2	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	-
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	-
7	1	COUPLING NUT MALE	-	-
6	-	CABLE	SEE SHEET 2	-
5	-	OVERMOULDING BLACK	TPU	-
4	1	COUPLING NUT FEMALE	-	-
3	1	INSERT FEMALE BLACK	PUR	-
2	1	O-RING RED	FPM	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
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										
FUNCTIONAL SYMBOLS E A = 0 E = 0 E = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADDED NEW PNS			molex		
	mm		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 692872 DRWN: MDHARMANTI2021/12/02 CHK'D: RSILLER2022/01/24 APPR: RSILLER2022/01/24			CSE M12 XP AC FE STR MA STR XM DE		
	ANGULAR TOL ± 1.0 °									
	4 PLACES		±					PRODUCT CUSTOMER DRAWING		
	3 PLACES		±							
	2 PLACES		± 0.05		DOCUMENT NUMBER 1200668084			DOC TYPE PSD	DOC PART 000	REVISION A14
	1 PLACE		± 0.3							
0 PLACES		± 0.5		MATERIAL NUMBER SEE SHEET 3-4			CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 4	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIRD ANGLE PROJECTION 				DRAWING A3-SIZE		SERIES 120066				

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

OPTIONS

88X030XXX

88=Micro-Change
M12x1
Double ended

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

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter

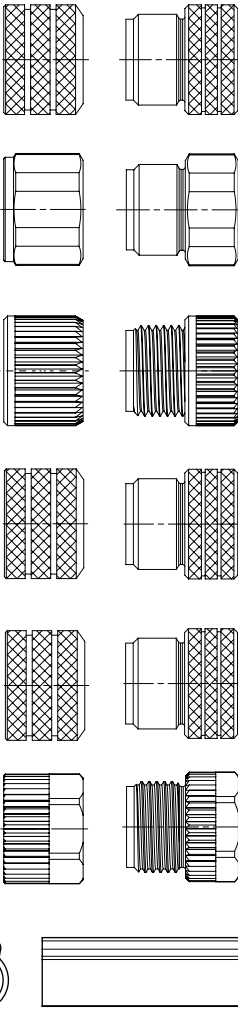
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
8=Type 316 stainless steel
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS
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 / 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.	-	-
H08	3 / 4 / 5 / 8	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	-
P02	3 / 4 / 5 / 8	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.	-	-

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		CURRENT REV DESC: ADDED NEW PNS					molex									
	mm		1:1																
	GENERAL TOLERANCES (UNLESS SPECIFIED)									EC NO: 692872 DRWN: MDHARMANTI 2021/12/02 CHK'D: RSILLER 2022/01/24 APPR: RSILLER 2022/01/24					CSE M12 XP AC FE STR MA STR XM DE				
ANGULAR TOL ± 1.0 °																			
4 PLACES		±		INITIAL REVISION: DRWN: JMARSZALEK 2016/09/16 APPR: RSILLER 2016/12/08					PRODUCT CUSTOMER DRAWING										
3 PLACES		±							DOCUMENT NUMBER						DOC TYPE		DOC PART		REVISION
2 PLACES		± 0.05							1200668084					PSD		000		A14	
1 PLACE		± 0.3							MATERIAL NUMBER					CUSTOMER					
DIVISIONAL SYMBOLS	0 PLACES		± 0.5		THIRD ANGLE PROJECTION					DRAWING		SERIES		SHEET NUMBER					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE		120066		SEE SHEET 3-4		GENERAL MARKET			2 OF 4			

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/24	16:46:28
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	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																
	PART LIST																																																																																																																																																																																																																																																																																																									
F	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>1</td><td>1200060049</td><td>884030E03M050</td><td>5m</td></tr> <tr><td>2</td><td>1200060050</td><td>884030P03M015</td><td>1.5m</td></tr> <tr><td>3</td><td>1200060051</td><td>884030P03M030</td><td>3m</td></tr> <tr><td>4</td><td>1200070081</td><td>883030E03M006</td><td>0.6m</td></tr> <tr><td>5</td><td>1200070083</td><td>883030E03M010</td><td>1m</td></tr> <tr><td>6</td><td>1200070085</td><td>883030E03M020</td><td>2m</td></tr> <tr><td>7</td><td>1200070086</td><td>883030E03M0205</td><td>2m</td></tr> <tr><td>8</td><td>1200070088</td><td>883030E03M030</td><td>3m</td></tr> <tr><td>9</td><td>1200070091</td><td>883030E03M050</td><td>5m</td></tr> <tr><td>10</td><td>1200070092</td><td>883030E03M0505</td><td>5m</td></tr> <tr><td>11</td><td>1200070093</td><td>883030E03M100</td><td>10m</td></tr> <tr><td>12</td><td>1200070102</td><td>883030P03M003</td><td>0.3m</td></tr> <tr><td>13</td><td>1200070104</td><td>883030P03M006</td><td>0.6m</td></tr> <tr><td>14</td><td>1200070105</td><td>883030P03M100</td><td>10m</td></tr> <tr><td>15</td><td>1200070470</td><td>884030E03M003</td><td>0.3m</td></tr> <tr><td>16</td><td>1200070472</td><td>884030E03M006</td><td>0.6m</td></tr> <tr><td>17</td><td>1200070473</td><td>884030E03M010</td><td>1m</td></tr> <tr><td>18</td><td>1200070474</td><td>884030E03M020</td><td>2m</td></tr> <tr><td>19</td><td>1200070475</td><td>884030E03M030</td><td>3m</td></tr> <tr><td>20</td><td>1200070476</td><td>884030E03M100</td><td>10m</td></tr> <tr><td>21</td><td>1200070486</td><td>884030P03M003</td><td>0.3m</td></tr> <tr><td>22</td><td>1200070487</td><td>884030P03M006</td><td>0.6m</td></tr> <tr><td>23</td><td>1200070488</td><td>884030P03M010</td><td>1m</td></tr> <tr><td>24</td><td>1200070489</td><td>884030P03M020</td><td>2m</td></tr> <tr><td>25</td><td>1200070490</td><td>884030P03M050</td><td>5m</td></tr> <tr><td>26</td><td>1200070586</td><td>885030E03M030</td><td>3m</td></tr> <tr><td>27</td><td>1200070596</td><td>885030P03M020</td><td>2m</td></tr> <tr><td>28</td><td>1200070906</td><td>885030E03M010</td><td>1m</td></tr> <tr><td>29</td><td>1200070969</td><td>885030E03M050</td><td>5m</td></tr> <tr><td>30</td><td>1200070970</td><td>885030E03M020</td><td>2m</td></tr> <tr><td>31</td><td>1200071006</td><td>883030E03M020H</td><td>2m</td></tr> <tr><td>32</td><td>1200071029</td><td>884030P03M100</td><td>10m</td></tr> <tr><td>33</td><td>1200071047</td><td>883030P03M050H</td><td>5m</td></tr> <tr><td>34</td><td>1200071049</td><td>885030P03M050</td><td>5m</td></tr> <tr><td>35</td><td>1200071053</td><td>883030P03M150</td><td>15m</td></tr> </table>	No.	MOLEX PN	Engineering No.	Length	1	1200060049	884030E03M050	5m	2	1200060050	884030P03M015	1.5m	3	1200060051	884030P03M030	3m	4	1200070081	883030E03M006	0.6m	5	1200070083	883030E03M010	1m	6	1200070085	883030E03M020	2m	7	1200070086	883030E03M0205	2m	8	1200070088	883030E03M030	3m	9	1200070091	883030E03M050	5m	10	1200070092	883030E03M0505	5m	11	1200070093	883030E03M100	10m	12	1200070102	883030P03M003	0.3m	13	1200070104	883030P03M006	0.6m	14	1200070105	883030P03M100	10m	15	1200070470	884030E03M003	0.3m	16	1200070472	884030E03M006	0.6m	17	1200070473	884030E03M010	1m	18	1200070474	884030E03M020	2m	19	1200070475	884030E03M030	3m	20	1200070476	884030E03M100	10m	21	1200070486	884030P03M003	0.3m	22	1200070487	884030P03M006	0.6m	23	1200070488	884030P03M010	1m	24	1200070489	884030P03M020	2m	25	1200070490	884030P03M050	5m	26	1200070586	885030E03M030	3m	27	1200070596	885030P03M020	2m	28	1200070906	885030E03M010	1m	29	1200070969	885030E03M050	5m	30	1200070970	885030E03M020	2m	31	1200071006	883030E03M020H	2m	32	1200071029	884030P03M100	10m	33	1200071047	883030P03M050H	5m	34	1200071049	885030P03M050	5m	35	1200071053	883030P03M150	15m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>36</td><td>1200071114</td><td>883030P03M020H</td><td>2m</td></tr> <tr><td>37</td><td>1200071122</td><td>883030P03M030H</td><td>3m</td></tr> <tr><td>38</td><td>1200071123</td><td>883030P03M010H</td><td>1m</td></tr> <tr><td>39</td><td>1200071131</td><td>883030P03M0201</td><td>2m</td></tr> <tr><td>40</td><td>1200071199</td><td>884030E03M200</td><td>20m</td></tr> <tr><td>41</td><td>1200071273</td><td>883030P03M100H</td><td>10m</td></tr> <tr><td>42</td><td>1200071284</td><td>885030P03M100</td><td>10m</td></tr> <tr><td>43</td><td>1200071288</td><td>883030P03M060</td><td>6m</td></tr> <tr><td>44</td><td>1200071408</td><td>885030P03M030</td><td>3m</td></tr> <tr><td>45</td><td>1200071500</td><td>885030E03M005</td><td>0.5m</td></tr> <tr><td>46</td><td>1200071583</td><td>885030E03M080</td><td>8m</td></tr> <tr><td>47</td><td>1200071594</td><td>884030E03M015</td><td>1.5m</td></tr> <tr><td>48</td><td>1200071596</td><td>884030E03M060</td><td>6m</td></tr> <tr><td>49</td><td>1200071703</td><td>884030E03M0205</td><td>2m</td></tr> <tr><td>50</td><td>1200071707</td><td>884030E03M0505</td><td>5m</td></tr> <tr><td>51</td><td>1200071715</td><td>884030E03M150</td><td>15m</td></tr> <tr><td>52</td><td>1200071774</td><td>884030E03M020H</td><td>2m</td></tr> <tr><td>53</td><td>1200071793</td><td>884030E03M1501</td><td>✱15m</td></tr> <tr><td>54</td><td>1200071881</td><td>884030E03M1005</td><td>10m</td></tr> <tr><td>55</td><td>1200071947</td><td>885030P03M007</td><td>0.7m</td></tr> <tr><td>56</td><td>1200071948</td><td>885030E03M040</td><td>4m</td></tr> <tr><td>57</td><td>1200072010</td><td>884030P03M050H</td><td>5m</td></tr> <tr><td>58</td><td>1200072081</td><td>885030E03M035</td><td>3.5m</td></tr> <tr><td>59</td><td>1200072092</td><td>884030E03M040</td><td>4m</td></tr> <tr><td>60</td><td>1200072104</td><td>883030P03M040</td><td>4m</td></tr> <tr><td>61</td><td>1200072105</td><td>884030P03M200</td><td>20m</td></tr> <tr><td>62</td><td>1200072172</td><td>884030E03M050H</td><td>5m</td></tr> <tr><td>63</td><td>1200072544</td><td>884030E03M120</td><td>12m</td></tr> <tr><td>64</td><td>1200072649</td><td>884030P03M0105</td><td>1m</td></tr> <tr><td>65</td><td>1200072650</td><td>884030P03M0505</td><td>5m</td></tr> <tr><td>66</td><td>1200072656</td><td>885030P03M120</td><td>12m</td></tr> <tr><td>67</td><td>1200072658</td><td>883030P03M120</td><td>12m</td></tr> <tr><td>68</td><td>1200072697</td><td>885030E03M060</td><td>6m</td></tr> <tr><td>69</td><td>1200072744</td><td>884030E03M0501</td><td>✱5m</td></tr> <tr><td>70</td><td>1200072762</td><td>884030P03M0101</td><td>1m</td></tr> </table>	No.	MOLEX PN	Engineering No.	Length	36	1200071114	883030P03M020H	2m	37	1200071122	883030P03M030H	3m	38	1200071123	883030P03M010H	1m	39	1200071131	883030P03M0201	2m	40	1200071199	884030E03M200	20m	41	1200071273	883030P03M100H	10m	42	1200071284	885030P03M100	10m	43	1200071288	883030P03M060	6m	44	1200071408	885030P03M030	3m	45	1200071500	885030E03M005	0.5m	46	1200071583	885030E03M080	8m	47	1200071594	884030E03M015	1.5m	48	1200071596	884030E03M060	6m	49	1200071703	884030E03M0205	2m	50	1200071707	884030E03M0505	5m	51	1200071715	884030E03M150	15m	52	1200071774	884030E03M020H	2m	53	1200071793	884030E03M1501	✱15m	54	1200071881	884030E03M1005	10m	55	1200071947	885030P03M007	0.7m	56	1200071948	885030E03M040	4m	57	1200072010	884030P03M050H	5m	58	1200072081	885030E03M035	3.5m	59	1200072092	884030E03M040	4m	60	1200072104	883030P03M040	4m	61	1200072105	884030P03M200	20m	62	1200072172	884030E03M050H	5m	63	1200072544	884030E03M120	12m	64	1200072649	884030P03M0105	1m	65	1200072650	884030P03M0505	5m	66	1200072656	885030P03M120	12m	67	1200072658	883030P03M120	12m	68	1200072697	885030E03M060	6m	69	1200072744	884030E03M0501	✱5m	70	1200072762	884030P03M0101	1m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>71</td><td>1200072763</td><td>884030</td></tr></table>	No.	MOLEX PN	Engineering No.	Length	71	1200072763	884030
No.	MOLEX PN	Engineering No.	Length																																																																																																																																																																																																																																																																																																							
1	1200060049	884030E03M050	5m																																																																																																																																																																																																																																																																																																							
2	1200060050	884030P03M015	1.5m																																																																																																																																																																																																																																																																																																							
3	1200060051	884030P03M030	3m																																																																																																																																																																																																																																																																																																							
4	1200070081	883030E03M006	0.6m																																																																																																																																																																																																																																																																																																							
5	1200070083	883030E03M010	1m																																																																																																																																																																																																																																																																																																							
6	1200070085	883030E03M020	2m																																																																																																																																																																																																																																																																																																							
7	1200070086	883030E03M0205	2m																																																																																																																																																																																																																																																																																																							
8	1200070088	883030E03M030	3m																																																																																																																																																																																																																																																																																																							
9	1200070091	883030E03M050	5m																																																																																																																																																																																																																																																																																																							
10	1200070092	883030E03M0505	5m																																																																																																																																																																																																																																																																																																							
11	1200070093	883030E03M100	10m																																																																																																																																																																																																																																																																																																							
12	1200070102	883030P03M003	0.3m																																																																																																																																																																																																																																																																																																							
13	1200070104	883030P03M006	0.6m																																																																																																																																																																																																																																																																																																							
14	1200070105	883030P03M100	10m																																																																																																																																																																																																																																																																																																							
15	1200070470	884030E03M003	0.3m																																																																																																																																																																																																																																																																																																							
16	1200070472	884030E03M006	0.6m																																																																																																																																																																																																																																																																																																							
17	1200070473	884030E03M010	1m																																																																																																																																																																																																																																																																																																							
18	1200070474	884030E03M020	2m																																																																																																																																																																																																																																																																																																							
19	1200070475	884030E03M030	3m																																																																																																																																																																																																																																																																																																							
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41	1200071273	883030P03M100H	10m																																																																																																																																																																														
42	1200071284	885030P03M100	10m																																																																																																																																																																														
43	1200071288	883030P03M060	6m																																																																																																																																																																														
44	1200071408	885030P03M030	3m																																																																																																																																																																														
45	1200071500	885030E03M005	0.5m																																																																																																																																																																														
46	1200071583	885030E03M080	8m																																																																																																																																																																														
47	1200071594	884030E03M015	1.5m																																																																																																																																																																														
48	1200071596	884030E03M060	6m																																																																																																																																																																														
49	1200071703	884030E03M0205	2m																																																																																																																																																																														
75	1200073049	885030P03M0501	5m																																																																																																																																																																														
76	1200073083	885030P03M006	0.6m																																																																																																																																																																														
77	1200073084	885030P03M150	15m																																																																																																																																																																														
78	1200660498	883030P03M010	1m																																																																																																																																																																														
79	1200660500	883030P03M020	2m																																																																																																																																																																														
80	1200660501	883030P03M030	3m																																																																																																																																																																														
81	1200660502	883030P03M050	5m																																																																																																																																																																														
82	1200660579	888030P02M010	1m																																																																																																																																																																														
83	1200660580	888030P02M020	2m																																																																																																																																																																														
84	1200660581	888030P02M030	3m																																																																																																																																																																														
110	1200668370	883030E03M040	4m																																																																																																																																																																														
111	1200668373	883030H09M006	0.6m																																																																																																																																																																														
112	1200668374	883030H09M010	1m																																																																																																																																																																														
113	1200668375	883030H09M030	3m																																																																																																																																																																														
114	1200668376	883030H09M040	4m																																																																																																																																																																														
115	1200668377	883030H09M100	10m																																																																																																																																																																														
116	1200668378	884030H09M006	0.6m																																																																																																																																																																														
117	1200668379	884030H09M010	1m																																																																																																																																																																														
118	1200668380	884030H09M040	4m																																																																																																																																																																														
119	1200668381	884030H09M100	10m																																																																																																																																																																														
D	<table> <tr><td>15</td><td>1200070470</td><td>884030E03M003</td><td>0.3m</td></tr> <tr><td>16</td><td>1200070472</td><td>884030E03M006</td><td>0.6m</td></tr> <tr><td>17</td><td>1200070473</td><td>884030E03M010</td><td>1m</td></tr> <tr><td>18</td><td>1200070474</td><td>884030E03M020</td><td>2m</td></tr> <tr><td>19</td><td>1200070475</td><td>884030E03M030</td><td>3m</td></tr> <tr><td>20</td><td>1200070476</td><td>884030E03M100</td><td>10m</td></tr> <tr><td>21</td><td>1200070486</td><td>884030P03M003</td><td>0.3m</td></tr> <tr><td></td></tr></table>	15	1200070470	884030E03M003	0.3m	16	1200070472	884030E03M006	0.6m	17	1200070473	884030E03M010	1m	18	1200070474	884030E03M020	2m	19	1200070475	884030E03M030	3m	20	1200070476	884030E03M100	10m	21	1200070486	884030P03M003	0.3m																																																																																																																																																				
15	1200070470	884030E03M003	0.3m																																																																																																																																																																														
16	1200070472	884030E03M006	0.6m																																																																																																																																																																														
17	1200070473	884030E03M010	1m																																																																																																																																																																														
18	1200070474	884030E03M020	2m																																																																																																																																																																														
19	1200070475	884030E03M030	3m																																																																																																																																																																														
20	1200070476	884030E03M100	10m																																																																																																																																																																														
21	1200070486	884030P03M003	0.3m																																																																																																																																																																														

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PART LIST

No.	MOLEX PN	Engineering No.	Length
141	1200668646	883030P03M030HY	3m
142	1200668652	885030E03M070	7m
143	1200668656	885030E02M100	10m
144	1200668657	885030E02M020	2m
145	1200668661	884030E02M0031	✱ 0.3m
146	1200668662	883030E02M006	0.6m
147	1200668664	885030E02M010	1m
148	1200668672	884030E03M0051	✱ 0.5m
149	1200668674	885030E03M150	15m
150	1200668683	885030H09M150	15m
151	1200668684	885030H09M200	20m
152	1200668687	884030P03M005	0.5m
153	1200668689	884030H08M030	3m
154	1200668690	883030P03M020YH	2m
155	1200668691	883030P03M010YH	1m
156	1200668712	883030P03M100HY	10m
157	1200668713	883030P03M050HY	5m
158	1200668714	884030H09M0209	2m
159	1200668715	884030H09M003	0.3m
160	1200668718	884030E03M250	25m
161	1200668719	884030E03M300	30m
162	1200668720	884030P03M150	15m
163	1200668721	884030P03M250	25m
164	1200668722	884030P03M300	30m
165	1200668723	884030P03M350	35m
166	1200668724	884030P03M400	40m
167	1200668737	884030H09M055	5.5m
168	1200668754	884030P03M020H	2m
169	1200668765	885030P03M015	1.5m
170	1200668770	884030E03M350	35m
171	1200668771	884030E03M400	40m
172	1200668774	888030H08M100	10m
173	1200668775	885030P03M300	30m
174	1200668777	888030E02M020	2m
175	1200668778	888030E02M030	3m

No.	MOLEX PN	Engineering No.	Length
176	1200668779	888030E02M050	5m
177	1200668780	888030E02M100	10m
178	1200668784	885030E03M300	30m
179	1200668785	885030E03M350	35m
180	1200668786	884030E03M070	7m
181	1200668794	885030P03M006H	0.6m
182	1200668795	885030P03M010H	1m
183	1200668796	885030P03M030H	3m
184	1200668797	885030P03M050H	5m
185	1200668798	885030P03M100H	10m
186	1200668800	885030P03M200H	20m
187	1200668801	885030P03M300H	30m
188	1200668802	885030P03M350H	35m
189	1200668803	888030P02M010H	1m
190	1200668804	888030P02M020H	2m
191	1200668805	888030P02M030H	3m
192	1200668806	888030P02M050H	5m
193	1200668807	888030P02M100H	10m
194	1200668808	888030P02M150H	15m
195	1200668809	888030P02M200H	20m
196	1200668810	888030P02M350H	35m
197	1200668815	884030P03M0805	8m
198	1200668853	885030H09M040	4m
199	1200668854	885030H09M060	6m
200	1200668903	885030P03C130	0.13m
201	1200668972	885030E03M003	0.3m
202	1200668973	885030E03M025	2.5m
203	1200668980	885030E03M080H	8m
204	1200668981	885030E03M040H	4m
205	1200668982	885030E03M060H	6m
206	1200668985	885030E03M030H	3m
207	1200669111	885030P03M150H	15m
208	1200669117	888030H08M040	4m
209	1200669133	888030P02M3008	30m
210	1200669134	883030H09M015	1.5m

No.	MOLEX PN	Engineering No.	Length
211	1200669135	883030H09M200	20m
212	1200669153	883030E03M0101	1m
213	1200669161	888030H08M150	15m
214	1200669212	888030H08M050	5m
215	1200669310	888030H08M005	0.5m
216	1200669311	888030H08M008	0.8m
217	1200669312	888030H08M012	1.2m
218	1200669313	888030H08M015	1.5m
219	1200669314	888030H08C250	0.25m
220	1200669353	888030P02M130	13m
221	1200669423	884030E03M025	2.5m
222	1200669424	884030E03M035	3.5m
223	1200669437	888030H08M200	20m
224	1200669477	888030E02M300	30m
225	1200669478	888030E02M400	40m
226	1200669479	888030E02M500	50m
227	1200669499	883030E03M080	8m
228	1200669500	883030E03M120	12m
229	1200669501	883030E03M140	14m
230	1200669502	883030E03M160	16m
231	1200669503	883030E03M180	18m
232	1200669508	884030E03M080	8m
233	1200669509	884030E03M140	14m
234	1200669510	884030E03M160	16m
235	1200669511	883030E03M060	6m
236	1200669561	883030E02M050	5m
237	1200669350	883030H09M030H	3m
238	1200669609	883030E02M0201	2m
239	1200669717	884030P03M080	8m
240	1200669522	883030E03M200	20m
241	1200669523	883030E03M250	25m
242	1200669752	884030H09M015H	1.5m
243	1200669759	884030H09M020H	2.0m
244	1200669753	884030H09M025H	2.5m
245	1200669758	884030H09M030H	3.0m

No.	MOLEX PN	Engineering No.	Length
246	1200669754	884030H09M035H	3.5m
247	1200669760	884030H09M040H	4.0m
248	1200669755	884030H09M045H	4.5m
249	1200669764	884030H09M055H	5.5m
250	1200669761	885030H09M010H	1.0m
251	1200669756	885030H09M015H	1.5m
252	1200669762	885030H09M020H	2.0m
253	1200669757	885030H09M025H	2.5m
254	1200669763	885030H09M030H	3.0m
255	1200669878	884030E03M002H	0.2m
256	1200669879	884030E03M004H	0.4m
257	1200669880	884030E03M009H	0.9m
258	1200669881	884030E03M013H	1.3m
259	1200669882	884030E03M016H	1.6m
260	1200669883	884030E03M180H	18m
261	1200669884	884030E03M800H	80m
262	1200669905	885030E03M085H	8.5m
263	1200669906	885030E03M090H	9m
264	1200669907	885030E03M110H	11m
265	1200669926	884030H09M065H	6.5m
266	1200669927	884030H09M070H	7.0m
267	1200669931	884030H09M075H	7.5m
268	1200669932	884030H09M080H	8.0m
269			
270			
271			
272			
273			
274			
275			
276			
277			
278			
279			
280			

NOTES:
✱ - Part No. with Yellow PVC overmolding

FUNCTIONAL SYMBOLS

√A

=

0

√E

=

0

√E

=

0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

INITIAL REVISION:

DRWN: JMARSALEK

APPR: RSILLER

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

EC NO: 692872

DRWN: MDHARMANTI

CHK'D: RSILLER

APPR: RSILLER

2021/12/02

2022/01/24

2022/01/24

2016/09/16

2016/12/08

DOCUMENT NUMBER

1200668084

DOC TYPE

PSD

DOC PART

000

REVISION

A14

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2022/01/24

16:46:28

FORMAT: master-b-prod-A3

REVISION: J1

DATE: 2021/05/01

9

8

7

6

5

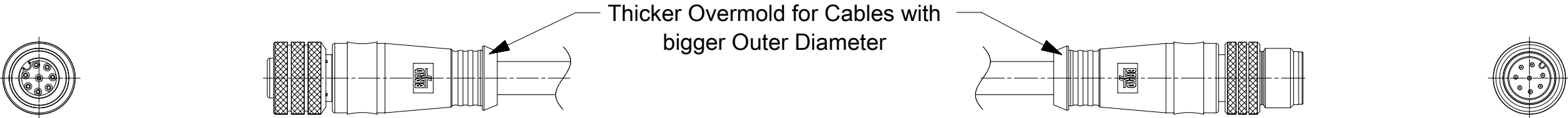
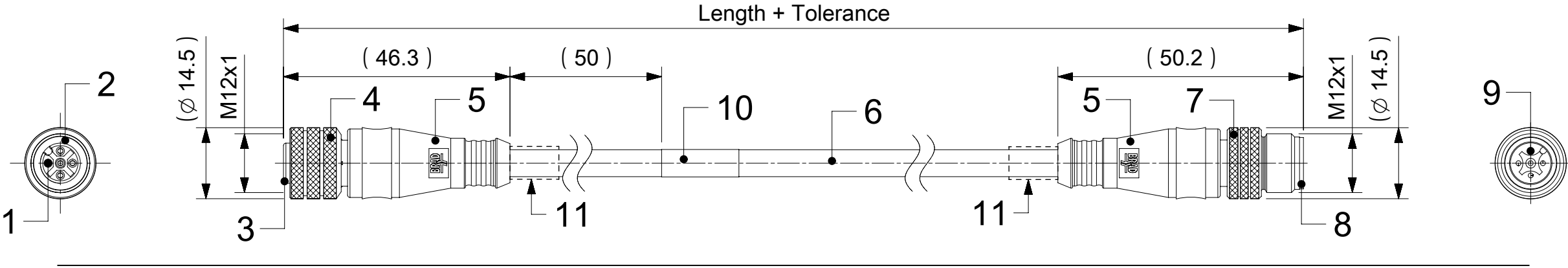
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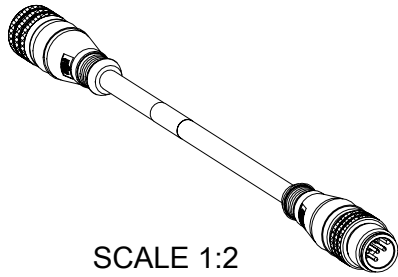
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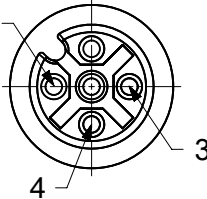
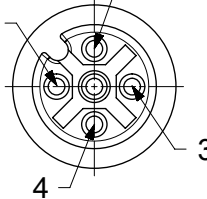
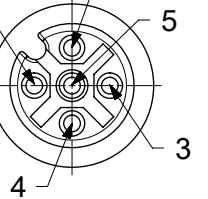
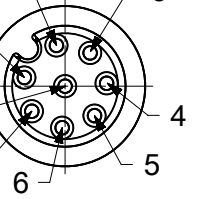
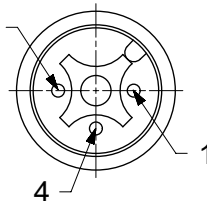
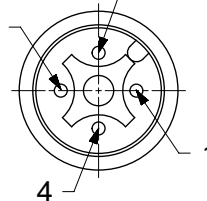
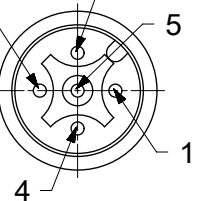
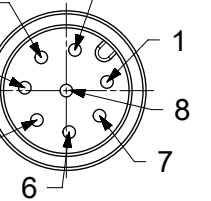
1

FEMALE PLUG M12 STRAIGHT 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
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
						8	RED	
CODING REQUIRED TO IEC 61076-2-101								

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

OPTIONS

8

8

X

0

3

0

X

X

X

X

X

X

X

X

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

88=Micro-Change
M12x1
Double ended

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

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

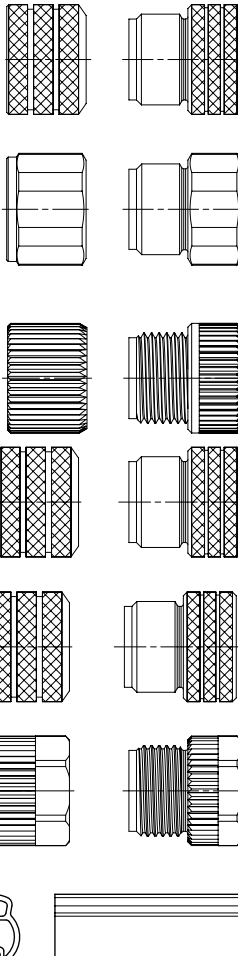
Units:
M=Meter

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

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
8=Type 316 stainless steel
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 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

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884		molex				
mm	1:1			CSE M12 XP AC FE STR MA STR XM DE				
GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING				
ANGULAR TOL	± 1.0 °			DOCUMENT NUMBER	DOC TYPE	DOC PART		
4 PLACES	±			1200668165	PSD	000		
3 PLACES	±							
2 PLACES	± 0.05			120066	GENERAL MARKET	2 OF 5		
1 PLACE	± 0.3							
0 PLACES	± 0.5							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER			
		A3-SIZE	120066	SEE TABLE				

PART LIST

No.	Part No.	Engineering No.	Cable Length
1	1200070023	884030S20M060H	6m
2	1200070095	883030I03M003	0.3m
3	1200070096	883030I03M006	0.6m
4	1200070097	883030I03M010	1m
5	1200070098	883030I03M020	2m
6	1200070099	883030I03M030	3m
7	1200070100	883030I03M050	5m
8	1200070101	883030I03M100	10m
9	1200070110	883030S20M010	1m
10	1200070111	883030S20M020	2m
11	1200070480	884030I03M010	1m
12	1200070481	884030I03M020	2m
13	1200070483	884030I03M050	5m
14	1200070484	884030I03M060	6m
15	1200070485	884030I03M100	10m
16	1200070494	884030P82M0057	0.5m
17	1200070499	884030S20M020	2m
18	1200070500	884030S20M030	3m
19	1200070502	884030S20M050	5m
20	1200070504	884030S20M100	10m
21	1200070597	885030S26M010	1m
22	1200070653	884030E52M200A	20m
23	1200070774	884030I03M006	0.6m
24	1200070785	884030I03M030	3m
25	1200070798	884030P82M010	1m
26	1200070799	884030P82M020	2m
27	1200070867	884030E52M100A	10m
28	1200070890	885030I26M010	1m
29	1200070891	885030I26M020	2m
30	1200070892	885030I26M030	3m
31	1200070937	884030P82M100	10m
32	1200070956	883030E52M020A	2m
33	1200070961	885030I03M030	3m
34	1200071026	884030E52M010A	1m
35	1200071035	884030S20M010H	1m
36	1200071066	884030P82M0067	0.6m
37	1200071067	884030P82M0037	0.3m
38	1200071068	884030P82M0107	1m
39	1200071069	884030P82M0157	1.5m
40	1200071088	884030P82M0207	2m
41	1200071137	884030S20M030H	3m
42	1200071141	884030S20M020H	2m
43	1200071161	884030S20M100H	10m
44	1200071162	884030P82M006	0.6m
45	1200071178	884030S20M006H	0.6m
46	1200071188	884030S20M050H	5m
47	1200071237	884030S20M005H	0.5m

No.	Part No.	Engineering No.	Cable Length
48	1200071238	884030S20M015H	1.5m
49	1200071254	884030P82M050	5m
50	1200071264	884030S20M040H	4m
51	1200071272	884030S20M005	0.5m
52	1200071279	885030I26M050	5m
53	1200071338	884030I20M030	3m
54	1200071343	883030E52M003A	0.3m
55	1200071428	884030P82M0407	4m
56	1200071501	884030P82M003	0.3m
57	1200071580	884030P82M030	3m
58	1200071582	884030P82M015	1.5m
59	1200071624	884030E52M030A	3m
60	1200071627	884030I03M0205	2m
61	1200071647	884030P82M0307	3m
62	1200072106	885030I26M005	0.5m
63	1200072359	885030I26M015	1.5m
64	1200072601	884030P82M0201	2m
65	1200660271	884030A09M020	2m
66	1200660273	884030A09M0208	2m
67	1200660277	884030A09M030	3m
68	1200660286	884030A09M0508	5m
69	1200660291	884030A09M070	7m
70	1200660683	884030K05M003	0.3m
71	1200660684	884030K05M005	0.5m
72	1200660686	884030K05M006	0.6m
73	1200660687	884030K05M010	1m
74	1200660688	884030K05M015	1.5m
75	1200660689	884030K05M020	2m
76	1200660690	884030K05M030	3m
77	1200660691	884030K05M040	4m
78	1200660692	884030K05M050	5m
79	1200660693	884030K05M060	6m
80	1200660694	884030K05M080	8m
81	1200660695	884030K05M100	10m
82	1200660696	884030K05M120	12m
83	1200660697	884030K05M150	15m
84	1200660698	884030K05M180	18m
85	1200660699	884030K05M230	23m
86	1200660700	884030K05M300	30m
87	1200660857	884030B02M020	2m
88	1200660860	884030B02M030	3m
89	1200660862	884030B02M050	5m
90	1200660867	884030B02M100	10m
91	1200660878	884030K03M003	0.3m
92	1200660880	884030K03M006	0.6m
93	1200660881	884030K03M010	1m
94	1200660883	884030K03M020	2m

No.	Part No.	Engineering No.	Cable Length
95	1200660887	884030K03M030	3m
96	1200660891	884030K03M040	4m
97	1200660895	884030K03M050	5m
98	1200660898	884030K03M060	6m
99	1200660899	884030K03M070	7m
100	1200660900	884030K03M080	8m
101	1200660901	884030K03M090	9m
102	1200660902	884030K03M100	10m
103	1200660904	884030K03M120	12m
104	1200660905	884030K03M140	14m
105	1200660906	884030K03M150	15m
106	1200660907	884030K03M160	16m
107	1200660909	884030K03M200	20m
108	1200660911	884030K03M250	25m
109	1200660915	884030K05M070	7m
110	1200660918	884030K05M140	14m
111	1200660921	884030K05M200	20m
112	1200660922	884030K05M210	21m
113	1200661034	885030K03M010	1m
114	1200661035	885030K03M020	2m
115	1200661036	885030K03M030	3m
116	1200661038	885030K03M050	5m
117	1200661042	885030K03M090	9m
118	1200661043	885030K03M100	10m
119	1200661044	885030K03M150	15m
120	1200661434	884030E52M020A	2m
121	1200661438	884030K05M250	25m
122	1200661441	884030K05M190	19m
123	1200661472	884030E52M050A	5m
124	1200661543	884030K03M180	18m
125	1200661574	888030S19M120	12m
126	1200661575	888030S19M030	3m
127	1200661576	888030S19M050	5m
128	1200661577	888030S19M100	10m
129	1200661664	885030K03M005	0.5m
130	1200661685	885030K03M120	12m
131	1200661906	884030K03M500	50m
132	1200665012	885030P82M0307	3m

No.	Part No.	Engineering No.	Cable Length
133	1200665368	884030K05M280	28m
134	1200668001	884030K03M110	11m
135	1200668003	884030K03M005	0.5m
136	1200668004	884030K03M240	24m
137	1200668067	884030P82M0507	5m
138	1200668068	884030S20M010	1m
139	1200668082	885030I26M006	0.6m
140	1200668090	885030S26M020H	2m
141	1200668098	888030P19M010	1m
142	1200668099	888030P19M050	5m
143	1200668165	885030I03M100	10m
144	1200668172	883030S20M050	5m
145	1200668187	884030P82M050H	5m
146	1200668252	888030P19M030	3m
147	1200668281	885030I26M025	2.5m
148	1200668310	883030S20M005	0.5m
149	1200668349	884030P82M0101	1m
150	1200668371	883030I03M040	4m
151	1200668372	884030I03M040	4m
152	1200668505	884030P20M010	1m
153	1200668506	884030P20M020	2m
154	1200668507	884030P20M050	5m
155	1200668508	884030P20M100	10m
156	1200668517	884030P82M1007	10m
157	1200668615	884030K05M050H	5m
158	1200668616	884030K05M100H	10m
159	1200668632	883030I03M020Y	2m
160	1200668633	883030I03M030Y	3m
161	1200668634	883030I03M050Y	5m
162	1200668637	884030I03M020Y	2m
163	1200668638	884030I03M100Y	10m
164	1200668639	885030I26M010Y	1m
165	1200668640	885030I26M020Y	2m
166	1200668641	885030I26M030Y	3m
167	1200668642	885030I03M030Y	3m
168	1200668643	884030P82M0067Y	0.6m
169	1200668644	884030P82M0107Y	1m
170	1200668645	884030P82M0207Y	2m

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: OBSOLETE PART NUMBERS AS PER PCN#506884				molex				
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 662770 DRWN: SUGEEB 2021/02/23 CHK'D: GGA 2021/06/02 APPR: GGA 2021/06/02				CSE M12 XP AC FE STR MA STR XM DE				
ANGULAR TOL ± 1.0°											
4 PLACES		±									
3 PLACES		±									
2 PLACES		± 0.05									
1 PLACE		± 0.3	INITIAL REVISION: DRWN: JMARSZALEK 2016/09/19 APPR: RSILLER 2016/12/08				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
0 PLACES		± 0.5					1200668165		PSD	000	A4
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
					A3-SIZE	120066	SEE TABLE		GENERAL MARKET		4 OF 5

