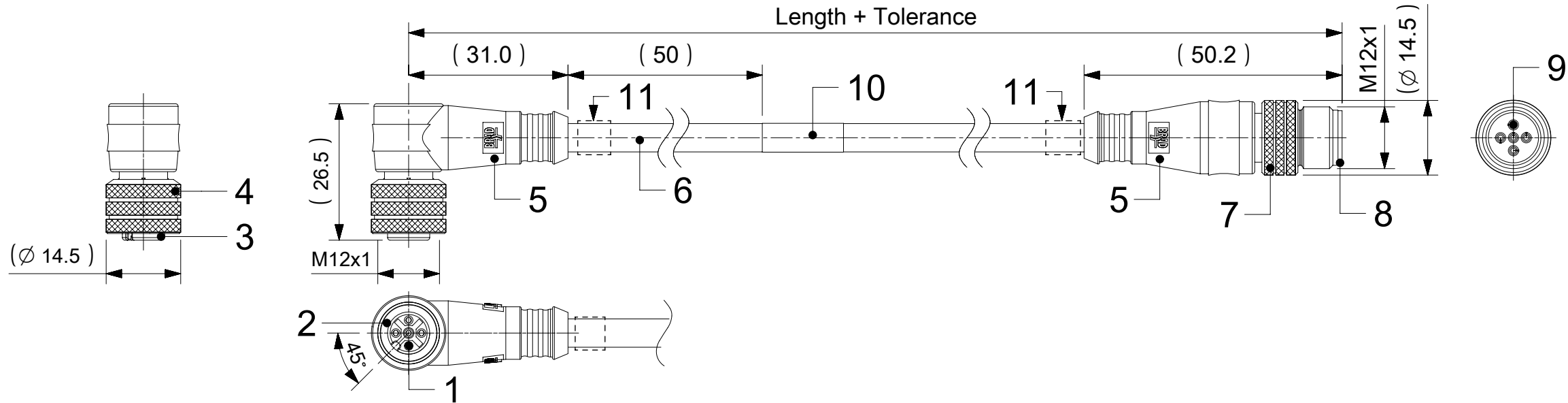


FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT



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								

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
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:				
DIVISIONAL SYMBOLS				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
THIRD ANGLE PROJECTION				
DRAWING				
SERIES				
MATERIAL NUMBER				
CUSTOMER				
SHEET NUMBER				
A3-SIZE				
120066				
SEE SHEET 3, 4				
GENERAL MARKET				
1 OF 4				

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

88X0X1XXXXXX

88=Micro-Change
M12x1
Double ended

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

Heads style:
031=Plug Female 90°
to Plug Male Straight
021=Plug Female 90°
to Plug Male Straight
with Female
Coupling Nut

Cable type: See Table

Units:
M=Meter
C=Centimeter

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

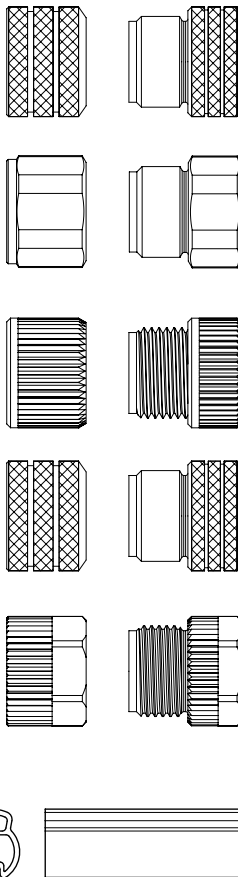
Options

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 Ixx & 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

FUNCTIONAL SYMBOLS

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

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

DIVISIONAL SYMBOLS

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CURRENT REV DESC:

EC NO: 684766
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

DOCUMENT NUMBER
1200660973

DOC TYPE
PSD

DOC PART
000

REVISION
A9

SEE SHEET 3, 4

GENERAL MARKET

2 OF 4

DOCUMENT STATUS | P1 | RELEASE DATE | 2021/11/10 | 13:49:49

FORMAT: master-b-prod-A3
REVISION: J
DATE: 2020/01/14

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	PART LIST																																																																																																																																																																																																																																																																																																									
F	<table> <tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr> <tr><td>1</td><td>1200060052</td><td>884031I20M005</td><td>0.5m</td></tr> <tr><td>2</td><td>1200060053</td><td>884031I20M010</td><td>1m</td></tr> <tr><td>3</td><td>1200060054</td><td>884031I20M015</td><td>1.5m</td></tr> <tr><td>4</td><td>1200060055</td><td>884031I20M020</td><td>2m</td></tr> <tr><td>5</td><td>1200070132</td><td>883031I03M003</td><td>0.3m</td></tr> <tr><td>6</td><td>1200070133</td><td>883031I03M006</td><td>0.6m</td></tr> <tr><td>7</td><td>1200070134</td><td>883031I03M010</td><td>1m</td></tr> <tr><td>8</td><td>1200070136</td><td>883031I03M020</td><td>2m</td></tr> <tr><td>9</td><td>1200070137</td><td>883031I03M030</td><td>3m</td></tr> <tr><td>10</td><td>1200070138</td><td>883031I03M050</td><td>5m</td></tr> <tr><td>11</td><td>1200070152</td><td>883031S20M010</td><td>1m</td></tr> <tr><td>12</td><td>1200070153</td><td>883031S20M020</td><td>2m</td></tr> <tr><td>13</td><td>1200070156</td><td>883031S20M050</td><td>5m</td></tr> <tr><td>14</td><td>1200070522</td><td>884031I03M020</td><td>2m</td></tr> <tr><td>15</td><td>1200070523</td><td>884031I03M030</td><td>3m</td></tr> <tr><td>16</td><td>1200070534</td><td>884031S20M030</td><td>3m</td></tr> <tr><td>17</td><td>1200070651</td><td>884031I03M006</td><td>0.6m</td></tr> <tr><td>18</td><td>1200070768</td><td>884031S20M050</td><td>5m</td></tr> <tr><td>19</td><td>1200070783</td><td>884031S20M100H</td><td>10m</td></tr> <tr><td>20</td><td>1200071010</td><td>884031P82M100</td><td>10m</td></tr> <tr><td>21</td><td>1200071096</td><td>884031P82M0037</td><td>0.3m</td></tr> <tr><td>22</td><td>1200071138</td><td>884031S20M010H</td><td>1m</td></tr> <tr><td>23</td><td>1200071139</td><td>884031S20M020H</td><td>2m</td></tr> <tr><td>24</td><td>1200071143</td><td>884031P82M0107</td><td>1m</td></tr> <tr><td>25</td><td>1200071144</td><td>884031P82M0207</td><td>2m</td></tr> <tr><td>26</td><td>1200071164</td><td>884031S20M003H</td><td>0.3m</td></tr> <tr><td>27</td><td>1200071179</td><td>884031S20M006H</td><td>0.6m</td></tr> <tr><td>28</td><td>1200071183</td><td>884031S20M030H</td><td>3m</td></tr> <tr><td>29</td><td>1200071189</td><td>884031S20M050H</td><td>5m</td></tr> <tr><td>30</td><td>1200071200</td><td>884031S20M015H</td><td>1.5m</td></tr> <tr><td>31</td><td>1200071236</td><td>884031S20M005H</td><td>0.5m</td></tr> <tr><td>32</td><td>1200071280</td><td>884031S20M040H</td><td>4m</td></tr> <tr><td>33</td><td>1200071318</td><td>884031P82M0067</td><td>0.6m</td></tr> <tr><td>34</td><td>1200071341</td><td>884031I20M030</td><td>3m</td></tr> <tr><td>35</td><td>1200071493</td><td>883031P82M0507</td><td>5m</td></tr> </table>	No.	Part No.	Engineering No.	Cable Length	1	1200060052	884031I20M005	0.5m	2	1200060053	884031I20M010	1m	3	1200060054	884031I20M015	1.5m	4	1200060055	884031I20M020	2m	5	1200070132	883031I03M003	0.3m	6	1200070133	883031I03M006	0.6m	7	1200070134	883031I03M010	1m	8	1200070136	883031I03M020	2m	9	1200070137	883031I03M030	3m	10	1200070138	883031I03M050	5m	11	1200070152	883031S20M010	1m	12	1200070153	883031S20M020	2m	13	1200070156	883031S20M050	5m	14	1200070522	884031I03M020	2m	15	1200070523	884031I03M030	3m	16	1200070534	884031S20M030	3m	17	1200070651	884031I03M006	0.6m	18	1200070768	884031S20M050	5m	19	1200070783	884031S20M100H	10m	20	1200071010	884031P82M100	10m	21	1200071096	884031P82M0037	0.3m	22	1200071138	884031S20M010H	1m	23	1200071139	884031S20M020H	2m	24	1200071143	884031P82M0107	1m	25	1200071144	884031P82M0207	2m	26	1200071164	884031S20M003H	0.3m	27	1200071179	884031S20M006H	0.6m	28	1200071183	884031S20M030H	3m	29	1200071189	884031S20M050H	5m	30	1200071200	884031S20M015H	1.5m	31	1200071236	884031S20M005H	0.5m	32	1200071280	884031S20M040H	4m	33	1200071318	884031P82M0067	0.6m	34	1200071341	884031I20M030	3m	35	1200071493	883031P82M0507	5m	<table> <tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr> <tr><td>36</td><td>1200071575</td><td>884031P82M006</td><td>0.6m</td></tr> <tr><td>37</td><td>1200071576</td><td>884031P82M010</td><td>1m</td></tr> <tr><td>38</td><td>1200071577</td><td>884031P82M015</td><td>1.5m</td></tr> <tr><td>39</td><td>1200071578</td><td>884031P82M0307</td><td>3m</td></tr> <tr><td>40</td><td>1200071579</td><td>884031P82M050</td><td>5m</td></tr> <tr><td>41</td><td>1200071581</td><td>884031P82M020</td><td>2m</td></tr> <tr><td>42</td><td>1200071832</td><td>884031I20M050</td><td>5m</td></tr> <tr><td>43</td><td>1200071833</td><td>884031I20M100</td><td>10m</td></tr> <tr><td>44</td><td>1200071893</td><td>884031S20M100</td><td>10m</td></tr> <tr><td>45</td><td>1200071994</td><td>885031P82M0307</td><td>3m</td></tr> <tr><td>46</td><td>1200072696</td><td>883031S20M010H</td><td>1m</td></tr> <tr><td>47</td><td>1200072725</td><td>885031I26M005</td><td>0.5m</td></tr> <tr><td>48</td><td>1200072726</td><td>885031I26M010</td><td>1m</td></tr> <tr><td>49</td><td>1200659070</td><td>884031I20M010Y</td><td>1m</td></tr> <tr><td>50</td><td>1200659071</td><td>884031I20M015Y</td><td>1.5m</td></tr> <tr><td>51</td><td>1200659115</td><td>884031I20M005Y</td><td>0.5m</td></tr> <tr><td>52</td><td>1200660374</td><td>884031K05M005</td><td>0.5m</td></tr> <tr><td>53</td><td>1200660375</td><td>884031K05M006</td><td>0.6m</td></tr> <tr><td>54</td><td>1200660376</td><td>884031K05M010</td><td>1m</td></tr> <tr><td>55</td><td>1200660377</td><td>884031K05M015</td><td>1.5m</td></tr> <tr><td>56</td><td>1200660378</td><td>884031K05M020</td><td>2m</td></tr> <tr><td>57</td><td>1200660379</td><td>884031K05M030</td><td>3m</td></tr> <tr><td>58</td><td>1200660380</td><td>884031K05M040</td><td>4m</td></tr> <tr><td>59</td><td>1200660381</td><td>884031K05M050</td><td>5m</td></tr> <tr><td>60</td><td>1200660382</td><td>884031K05M060</td><td>6m</td></tr> <tr><td>61</td><td>1200660383</td><td>884031S20M010</td><td>1m</td></tr> <tr><td>62</td><td>1200660546</td><td>884031K05M100</td><td>10m</td></tr> <tr><td>63</td><td>1200661046</td><td>885031K03M010</td><td>1m</td></tr> <tr><td>64</td><td>1200661047</td><td>885031K03M020</td><td>2m</td></tr> <tr><td>65</td><td>1200661049</td><td>885031K03M040</td><td>4m</td></tr> <tr><td>66</td><td>1200661050</td><td>885031K03M050</td><td>5m</td></tr> <tr><td>67</td><td>1200661769</td><td>884031K05M150</td><td>15m</td></tr> <tr><td>68</td><td>1200669556</td><td>885031P03M015</td><td>1.5m</td></tr> <tr><td>69</td><td>1200660969</td><td>884031K03M003</td><td>0.3m</td></tr> <tr><td>70</td><td>1200661481</td><td>884031K03M120</td><td>12m</td></tr> </table>	No.	Part No.	Engineering No.	Cable Length	36	1200071575	884031P82M006	0.6m	37	1200071576	884031P82M010	1m	38	1200071577	884031P82M015	1.5m	39	1200071578	884031P82M0307	3m	40	1200071579	884031P82M050	5m	41	1200071581	884031P82M020	2m	42	1200071832	884031I20M050	5m	43	1200071833	884031I20M100	10m	44	1200071893	884031S20M100	10m	45	1200071994	885031P82M0307	3m	46	1200072696	883031S20M010H	1m	47	1200072725	885031I26M005	0.5m	48	1200072726	885031I26M010	1m	49	1200659070	884031I20M010Y	1m	50	1200659071	884031I20M015Y	1.5m	51	1200659115	884031I20M005Y	0.5m	52	1200660374	884031K05M005	0.5m	53	1200660375	884031K05M006	0.6m	54	1200660376	884031K05M010	1m	55	1200660377	884031K05M015	1.5m	56	1200660378	884031K05M020	2m	57	1200660379	884031K05M030	3m	58	1200660380	884031K05M040	4m	59	1200660381	884031K05M050	5m	60	1200660382	884031K05M060	6m	61	1200660383	884031S20M010	1m	62	1200660546	884031K05M100	10m	63	1200661046	885031K03M010	1m	64	1200661047	885031K03M020	2m	65	1200661049	885031K03M040	4m	66	1200661050	885031K03M050	5m	67	1200661769	884031K05M150	15m	68	1200669556	885031P03M015	1.5m	69	1200660969	884031K03M003	0.3m	70	1200661481	884031K03M120	12m	<table> <tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr> <tr><td>71</td><td>1200660971</td><td>884031K</td></tr></table>	No.	Part No.	Engineering No.	Cable Length	71	1200660971	884031K
No.	Part No.	Engineering No.	Cable Length																																																																																																																																																																																																																																																																																																							
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4	1200060055	884031I20M020	2m																																																																																																																																																																																																																																																																																																							
5	1200070132	883031I03M003	0.3m																																																																																																																																																																																																																																																																																																							
6	1200070133	883031I03M006	0.6m																																																																																																																																																																																																																																																																																																							
7	1200070134	883031I03M010	1m																																																																																																																																																																																																																																																																																																							
8	1200070136	883031I03M020	2m																																																																																																																																																																																																																																																																																																							
9	1200070137	883031I03M030	3m																																																																																																																																																																																																																																																																																																							
10	1200070138	883031I03M050	5m																																																																																																																																																																																																																																																																																																							
11	1200070152	883031S20M010	1m																																																																																																																																																																																																																																																																																																							
12	1200070153	883031S20M020	2m																																																																																																																																																																																																																																																																																																							
13	1200070156	883031S20M050	5m																																																																																																																																																																																																																																																																																																							
14	1200070522	884031I03M020	2m																																																																																																																																																																																																																																																																																																							
15	1200070523	884031I03M030	3m																																																																																																																																																																																																																																																																																																							
16	1200070534	884031S20M030	3m																																																																																																																																																																																																																																																																																																							
17	1200070651	884031I03M006	0.6m																																																																																																																																																																																																																																																																																																							
18	1200070768	884031S20M050	5m																																																																																																																																																																																																																																																																																																							
19	1200070783	884031S20M100H	10m																																																																																																																																																																																																																																																																																																							
20	1200071010	884031P82M100	10m																																																																																																																																																																																																																																																																																																							
21	1200071096	884031P82M0037	0.3m																																																																																																																																																																																																																																																																																																							
22	1200071138	884031S20M010H	1m																																																																																																																																																																																																																																																																																																							
23	1200071139	884031S20M020H	2m																																																																																																																																																																																																																																																																																																							
24	1200071143	884031P82M0107	1m																																																																																																																																																																																																																																																																																																							
25	1200071144	884031P82M0207	2m																																																																																																																																																																																																																																																																																																							
26	1200071164	884031S20M003H	0.3m																																																																																																																																																																																																																																																																																																							
27	1200071179	884031S20M006H	0.6m																																																																																																																																																																																																																																																																																																							
28	1200071183	884031S20M030H	3m																																																																																																																																																																																																																																																																																																							
29	1200071189	884031S20M050H	5m																																																																																																																																																																																																																																																																																																							
30	1200071200	884031S20M015H	1.5m																																																																																																																																																																																																																																																																																																							
31	1200071236	884031S20M005H	0.5m																																																																																																																																																																																																																																																																																																							
32	1200071280	884031S20M040H	4m																																																																																																																																																																																																																																																																																																							
33	1200071318	884031P82M0067	0.6m																																																																																																																																																																																																																																																																																																							
34	1200071341	884031I20M030	3m																																																																																																																																																																																																																																																																																																							
35	1200071493	883031P82M0507	5m																																																																																																																																																																																																																																																																																																							
No.	Part No.	Engineering No.	Cable Length																																																																																																																																																																																																																																																																																																							
36	1200071575	884031P82M006	0.6m																																																																																																																																																																																																																																																																																																							
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39	1200071578	884031P82M0307	3m																																																																																																																																																																																																																																																																																																							
40	1200071579	884031P82M050	5m																																																																																																																																																																																																																																																																																																							
41	1200071581	884031P82M020	2m																																																																																																																																																																																																																																																																																																							
42	1200071832	884031I20M050	5m																																																																																																																																																																																																																																																																																																							
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45	1200071994	885031P82M0307	3m																																																																																																																																																																																																																																																																																																							
46	1200072696	883031S20M010H	1m																																																																																																																																																																																																																																																																																																							
47	1200072725	885031I26M005	0.5m																																																																																																																																																																																																																																																																																																							
48	1200072726	885031I26M010	1m																																																																																																																																																																																																																																																																																																							
49	1200659070	884031I20M010Y	1m																																																																																																																																																																																																																																																																																																							
50	1200659071	884031I20M015Y	1.5m																																																																																																																																																																																																																																																																																																							
51	1200659115	884031I20M005Y	0.5m																																																																																																																																																																																																																																																																																																							
52	1200660374	884031K05M005	0.5m																																																																																																																																																																																																																																																																																																							
53	1200660375	884031K05M006	0.6m																																																																																																																																																																																																																																																																																																							
54	1200660376	884031K05M010	1m																																																																																																																																																																																																																																																																																																							
55	1200660377	884031K05M015	1.5m																																																																																																																																																																																																																																																																																																							
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57	1200660379	884031K05M030	3m																																																																																																																																																																																																																																																																																																							
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59	1200660381	884031K05M050	5m																																																																																																																																																																																																																																																																																																							
60	1200660382	884031K05M060	6m																																																																																																																																																																																																																																																																																																							
61	1200660383	884031S20M010	1m																																																																																																																																																																																																																																																																																																							
62	1200660546	884031K05M100	10m																																																																																																																																																																																																																																																																																																							
63	1200661046	885031K03M010	1m																																																																																																																																																																																																																																																																																																							
64	1200661047	885031K03M020	2m																																																																																																																																																																																																																																																																																																							
65	1200661049	885031K03M040	4m																																																																																																																																																																																																																																																																																																							
66	1200661050	885031K03M050	5m																																																																																																																																																																																																																																																																																																							
67	1200661769	884031K05M150	15m																																																																																																																																																																																																																																																																																																							
68	1200669556	885031P03M015	1.5m																																																																																																																																																																																																																																																																																																							
69	1200660969	884031K03M003	0.3m																																																																																																																																																																																																																																																																																																							
70	1200661481	884031K03M120	12m																																																																																																																																																																																																																																																																																																							
No.	Part No.	Engineering No.	Cable Length																																																																																																																																																																																																																																																																																																							
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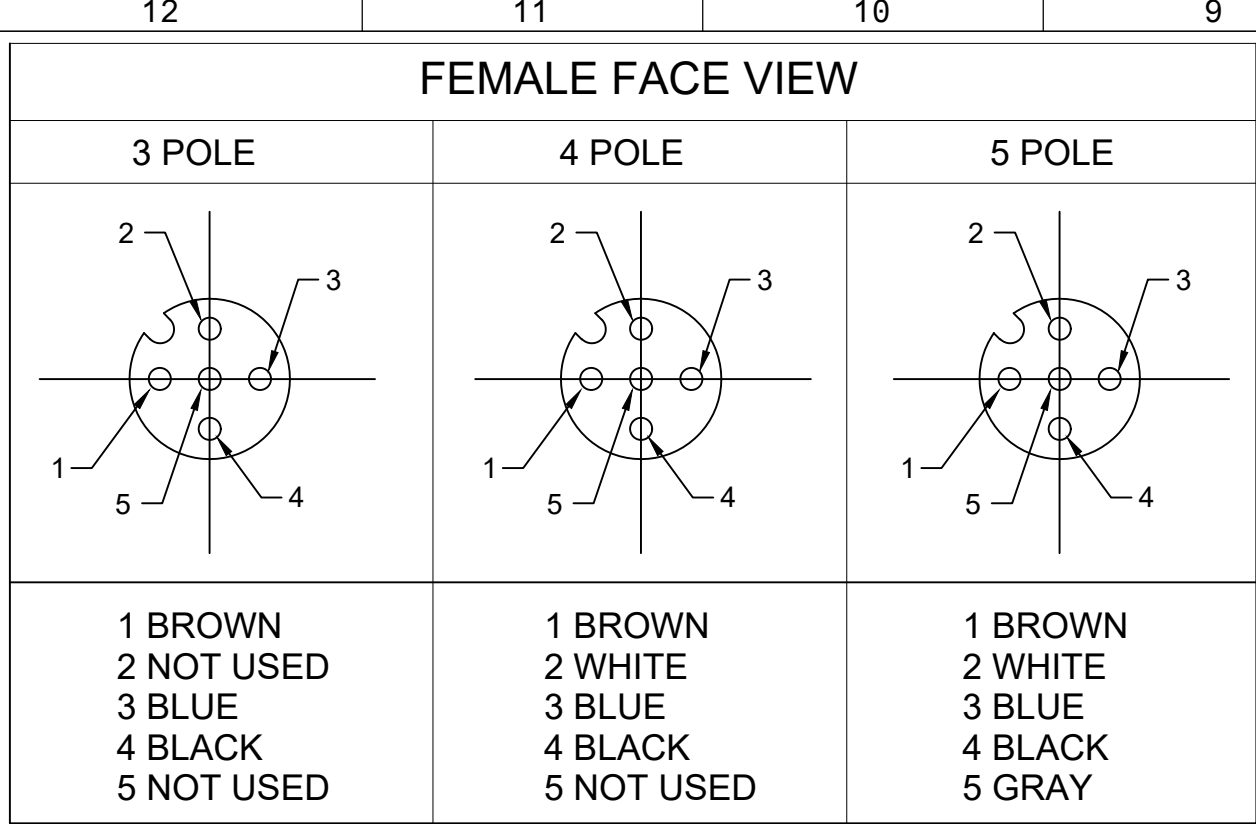
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DATE: 2020/01/11

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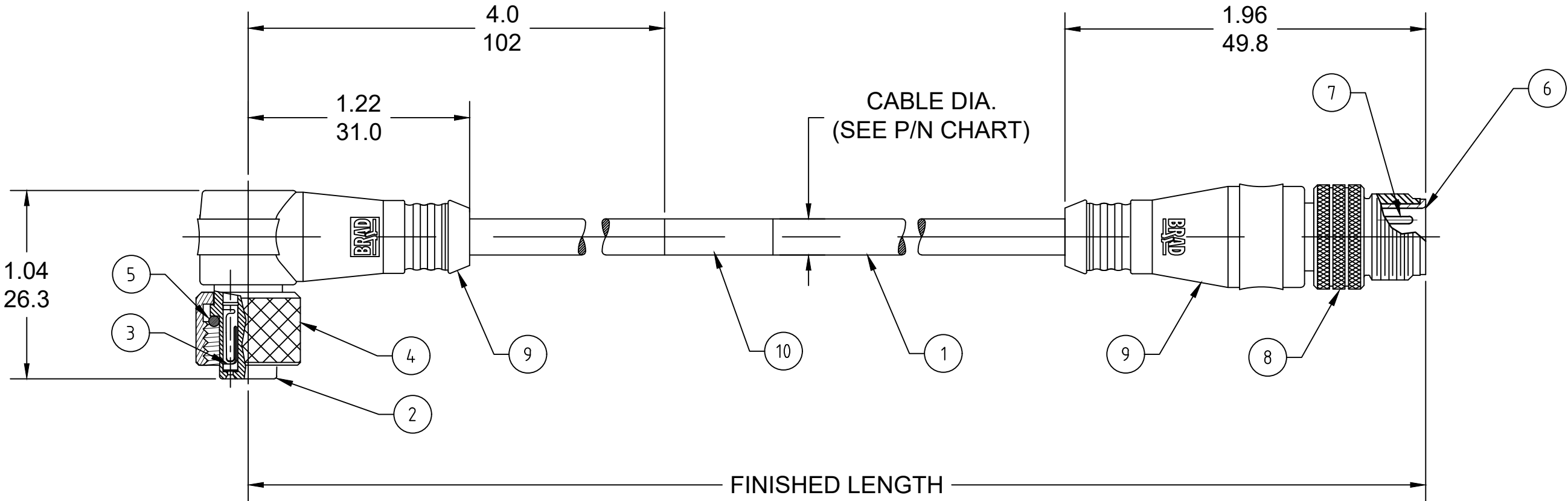
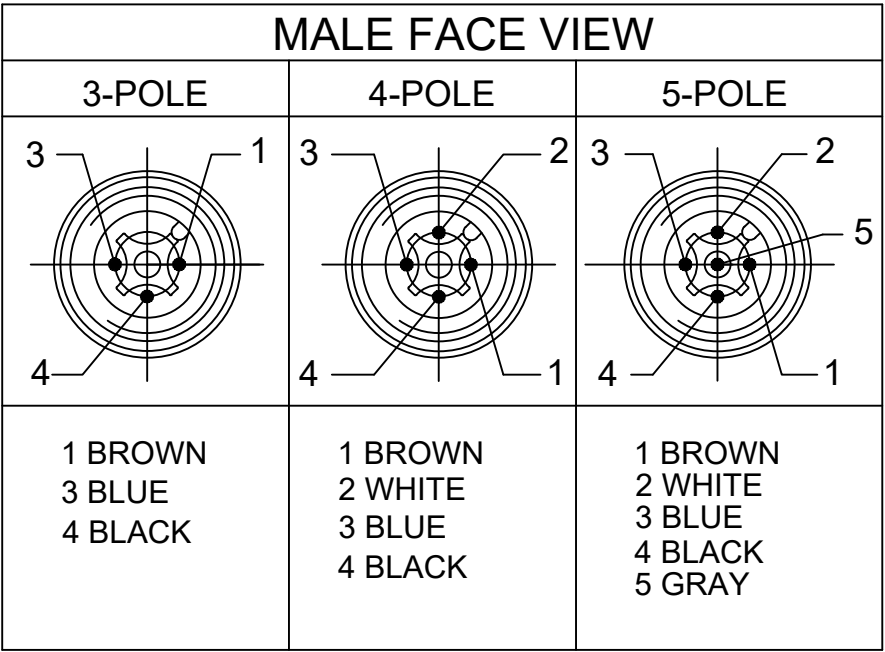
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						143	1200668753	883031P03M020H	2m	191	1200669229	885031H09C250	25m																										
						144	1200070144	883031P03M030	3m	192	1200668512	885031H09M006	0.6m																										
						145	1200668326	883031P03M030G	3m	193	1200668496	885031H09M010	1m																										
						146	1200070145	883031P03M050	5m	194	1200668513	885031H09M020	2m																										
						147	1200668520	883031P03M070	7m	195	1200668514	885031H09M030	3m																										
						148	1200070146	883031P03M100	10m	196	1200668515	885031H09M050	5m																										
						149	1200070507	884031E03M003	0.3m	197	1200668516	885031H09M100	10m																										
						150	1200070508	884031E03M006	0.6m	198	1200073085	885031P03M006	0.6m																										
						151	1200070509	884031E03M010	1m	199	1200668188	885031P03M010	1m																										
						152	1200668361	884031E03M015	1.5m	200	1200072376	885031P03M0105	1m																										
						153	1200070511	884031E03M020	2m	201	1200070917	885031P03M020	2m																										
						154	1200070512	884031E03M030	3m	202	1200668091	885031P03M025	2.5m																										
						155	1200669260	884031E03M030H	3m	203	1200070919	885031P03M030	3m																										
						156	1200070904	884031E03M050	5m	204	1200668273	885031P03M050	5m																										
						157	1200071157	884031E03M060	6m	205	1200073086	885031P03M100	10m																										
						158	1200071278	884031E03M100	10m	206	1200070434	884021E03M020	2m																										
						159	1200072011	884031E03M200	20m	207	1200072575	888031P02M030	3m																										
						160	1200668669	884031H09M006	0.6m	208	1200072708	888031P02M060	6m																										
161	1200668846	884031H09M008	0.8m	209	1200658319	888031H08M050	5m																																
162	1200668210	884031H09M009	0.9m	210	1200661620	888031P02M020	2m																																
163	1200668484	884031H09M010	1m	211	1200661626	888031P02M010	1m																																
164	1200668848	884031H09M013	1.3m	212	1200668673	888031E02M0041	0.4m																																
165	1200668488	884031H09M015	1.5m	213	1200668849	888031P02M150	15m																																
166	1200668845	884031H09M018	1.8m	214	1200656208	888031H08C250	2.5m																																
167	1200668212	884031H09M020	2m	215	1200656209	888031H08M005	0.5m																																
168	1200668847	884031H09M021	2.1m	216	1200656210	888031H08M008	0.8m																																
169	1200668215	884031H09M030	3m	217	1200656211	888031H08M012	1.2m																																
170	1200668670	884031H09M050	5m	218	1200656212	888031H08M015	1.5m																																
171	1200668671	884031H09M100	10m	219	1200070057	883021E03M006	0.6m																																
172	1200070526	884031P03M003	0.3m	220	1200070058	883021E03M020	2m																																
173	1200070527	884031P03M006	0.6m	221	1200070439	884021P03M006	0.6m																																
174	1200060056	884031P03M010	1m	222	1200070440	884021P03M010	1m																																
175	1200060057	884031P03M020	2m	223	1200070441	884021P03M020	2m																																
176	1200070529	884031P03M030	3m	224	1200070442	884021P03M030	3m																																
177	1200071187	884031P03M050	5m	225	1200070870	883021P03M050	5m																																
178	1200072012	884031P03M100	10m	226	1200072191	883021E03M030	3m																																
179	1300288001	885031D12M020	2m	227	1200072198	883021E03M050	5m																																
180	1200668658	885031E02M020	2m	228	1200665038	884021E03M050	5m																																
181	1200668610	885031E02M050	5m	229	1200668061	884021E03M006	0.6m																																
182	1200668660	885031E02M100	10m	230	1200668219	884021E03M030	3m																																
183	1200668339	885031E03M006	0.6m	231	1200668673	888031E02M0041	0.4m																																
184	1200668189	885031E03M010	1m	232	1200669541	884031P03M015	1.5m																																
185	1200668278	885031E03M020	2m	233	1200669885	884031E03M004	0.4m																																
186	1200668340	885031E03M030	3m	234	1200669886	884031E03M005	0.5m																																
187	1200668279	885031E03M050	5m	235	1200669887	884031E03M013	1.3m																																
188	1200668653	885031E03M070	7m	236	1200669888	884031E03M080	8m																																
189	1200668348	885031E03M100	10m	237																																			
190	1200668761	885031E03M150	15m	238																																			
DOCUMENT STATUS				P1	RELEASE DATE	2021/11/10	13:49:49																																
FORMAT: msa9910-05-A3				REVISION: 1				DATE: 2020/11/10																															
10				9				8				7				6				5				4				3				2				1			

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	1 A = 0 2 F = 0 3 F = 0	mm 1:1	CURRENT REV DESC: EC NO: 684766 DRWN: SSM CHK'D: RSILLER APPR: RSILLER 2021/11/03 2021/11/10 2021/11/10 INITIAL REVISION: DRWN: JMARSZALEK APPR: RSILLER 2016/10/06 2016/12/08 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A3-SIZE SERIES 120066 MATERIAL NUMBER SEE PART LIST CUSTOMER GENERAL MARKET SHEET NUMBER 4 OF 4	

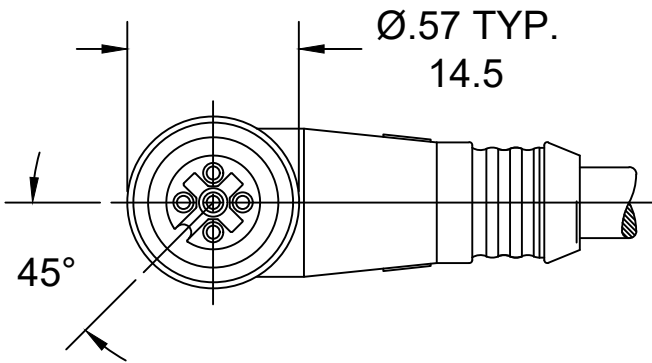
Pos.	Part No	Engineering No.	Cable Length
191	1200669229	885031H09C250	25m
192	1200668512	885031H09M006	0.6m
193	1200668496	885031H09M010	1m
194	1200668513	885031H09M020	2m
195	1200668514	885031H09M030	3m
196	1200668515	885031H09M050	5m
197	1200668516	885031H09M100	10m
198	1200073085	885031P03M006	0.6m
199	1200668188	885031P03M010	1m
200	1200072376	885031P03M0105	1m
201	1200070917	885031P03M020	2m
202	1200668091	885031P03M025	2.5m
203	1200070919	885031P03M030	3m
204	1200668273	885031P03M050	5m
205	1200073086	885031P03M100	10m
206	1200070434	884021E03M020	2m
207	1200072575	888031P02M030	3m
208	1200072708	888031P02M060	6m
209	1200658319	888031H08M050	5m
210	1200661620	888031P02M020	2m
211	1200661626	888031P02M010	1m
212	1200668673	888031E02M0041	0.4m
213	1200668849	888031P02M150	15m
214	1200656208	888031H08C250	2.5m
215	1200656209	888031H08M005	0.5m
216	1200656210	888031H08M008	0.8m
217	1200656211	888031H08M012	1.2m
218	1200656212	888031H08M015	1.5m
219	1200070057	883021E03M006	0.6m
220	1200070058	883021E03M020	2m
221	1200070439	884021P03M006	0.6m
222	1200070440	884021P03M010	1m
223	1200070441	884021P03M020	2m
224	1200070442	884021P03M030	3m
225	1200070870	883021P03M050	5m
226	1200072191	883021E03M030	3m
227	1200072198	883021E03M050	5m
228	1200665038	884021E03M050	5m
229	1200668061	884021E03M006	0.6m
230	1200668219	884021E03M030	3m
231	1200668673	888031E02M0041	0.4m
232	1200669541	884031P03M015	1.5m
233	1200669885	884031E03M004	0.4m
234	1200669886	884031E03M005	0.5m
235	1200669887	884031E03M013	1.3m
236	1200669888	884031E03M080	8m
237			
238			



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200660221	883031K05M005	0.5M [1FT 7 IN]	3	.20/5.1
1200662145	885031K05M100	10M [32FT 9 IN]	5	.23/5.8
1200662227	884031K05M450	45M [147FT 8 IN]	4	.21/5.3



- NOTES:
1. MATERIAL: AS NOTED
 2. FINISH: AS NOTED
 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 4. TEMP RATING: -20°TO +105°C
 5. PROTECTION: IP67 (WHEN MATED)
 6. COUPLING THREAD: M12X1
 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
 8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



PART NO. MATRIX
883031K05M020

POLES: 3,4 & 5 FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE FLEX CHARACTERISTICS:

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

10	WRAP LABEL	VINYL	BLACK/YELLOW
9	OVERMOLD	TPC	YELLOW
8	COUPLING NUT	BRASS	NICKEL PLATED
7	CONTACT PIN	COPPER ALLOY	GOLD PLATED
6	MALE INSERT	PUR	BLACK
5	O-RING	VITON	RED
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT SOCKET	COPPER ALLOY	GOLD PLATED
2	FEMALE INSERT	PUR	BLACK
1	CABLE 22AWG	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS

FA=0

FC=0

FP=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

INCH/MM

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----
0 PLACES	±----	±----

ANGULAR TOL ± ---- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ITEM# 9 WAS TPE. UPDATED TEMP RATING. MODIFIED MATERIAL TABLE

EC NO: 645633

DRWN: ABENJAMINLW 2020/09/18

CHK'D: RSTONE 2020/09/29

APPR: BWOODMAN 2020/10/23

INITIAL REVISION:

DRWN: LSTEMMLE 2010/02/01

APPR: FPACHER 2010/02/03

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

120066

DOCUMENT NUMBER

SD-120066-024

DOC TYPE/DOC PART

PSD 001

REVISION

D

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

moLEX

MICRO-CHANGE CORDSET, M12
3/4/5 POLE, FE 90/MA STR, SINGLE KEY,
22 AWG HI-FLEX

PRODUCT CUSTOMER DRAWING