



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

88X030XXXXXX

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

OPTIONS

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

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 |

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<br>AS PER PCN#506884 |         |
| mm                                                   | 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   |                                                              |         |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |         | THIRD ANGLE PROJECTION                                       | DRAWING |
|                                                      |         |                                                              | A3-SIZE |

EC NO: 662770  
DRWN: SUGEEB  
CHK'D: GGA  
APPR: GGA

2021/02/23  
2021/06/02  
2021/06/02

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

2016/09/19  
2016/12/08

molex

CSE M12 XP AC FE STR MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200668165

DOC TYPE

PSD

DOC PART

000

REVISION

A4

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 5

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/06/02 | 05:45:39 |
|-----------------|----|--------------|------------|----------|

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

987654321



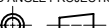
## PART LIST

| 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<br>AS PER PCN#506884                              |  |         | <div>molex</div> |                 |          |                |                                   |              |
| mm                                                                                                                                            |  | 1:1    |                                                                                           |  |         |                  |                 |          |                |                                   |              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        | EC NO: 662770<br>DRWN: SUGEEB 2021/02/23<br>CHK'D: GGA 2021/06/02<br>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:<br>DRWN: JMARSZALEK 2016/09/19<br>APPR: RSILLER 2016/12/08              |  |         | DOCUMENT NUMBER  |                 | DOC TYPE | DOC PART       | REVISION                          |              |
| 0 PLACES                                                                                                                                      |  | ± 0.5  |                                                                                           |  |         | 1200668165       |                 | PSD      | 000            | A4                                |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        | THIRD ANGLE PROJECTION                                                                    |  | DRAWING | SERIES           | MATERIAL NUMBER |          | CUSTOMER       |                                   | SHEET NUMBER |
|                                                                                                                                               |  |        |      |  | A3-SIZE | 120066           | SEE TABLE       |          | GENERAL MARKET |                                   | 4 OF 5       |

PART LIST

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 171 | 1200668735 | 884030P82M0707Y | 7m           |
| 172 | 1200668736 | 885030I26M015Y  | 1.5m         |
| 173 | 1200668773 | 885030P82M0107  | 1m           |
| 174 | 1200668873 | 885030I26M050Y  | 5m           |
| 175 | 1200669113 | 884030A09M0308  | 3m           |
| 176 | 1200669118 | 884030P82M0307Y | 3m           |
| 177 | 1200669149 | 883030I03M010Y  | 1m           |
| 178 | 1200669218 | 885030I03M100Y  | 10m          |
| 179 | 1200669227 | 884030K05M500   | 50m          |
| 180 | 1200669228 | 884030K05M600   | 60m          |
| 181 | 1200718014 | 884030P82M0607  | 6m           |
| 182 | 1200660166 | 883030A09M010   | 1m           |
| 183 | 1200660261 | 884030A09M005   | 0.5m         |
| 184 | 1200660262 | 884030A09M006   | 0.6m         |
| 185 | 1200660266 | 884030A09M010   | 1m           |
| 186 | 1200660269 | 884030A09M015   | 1.5m         |
| 187 | 1200660294 | 884030A09M080   | 8m           |
| 188 | 1200660299 | 884030A09M1008  | 10m          |
| 189 | 1200660434 | 885030A09M050   | 5m           |
| 190 | 1200661037 | 885030K03M040   | 4m           |
| 191 | 1200661039 | 885030K03M060   | 6m           |
| 192 | 1200661041 | 885030K03M080   | 8m           |
| 193 | 1200661684 | 885030K03M300   | 30m          |
| 194 | 1200661686 | 885030K03M180   | 18m          |
| 195 | 1200661687 | 885030K03M230   | 23m          |
| 196 | 1200668081 | 885030E57M100A  | 10m          |

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

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

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

CURRENT REV DESC: OBSOLETE PART NUMBERS  
AS PER PCN#506884

EC NO: 662770  
DRWN: SUGEEB  
CHK'D: GGA  
APPR: GGA

2021/02/23  
2021/06/02  
2021/06/02

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

2016/09/19  
2016/12/08

DOCUMENT NUMBER

1200668165

DOC TYPE

PSD

DOC PART

000

REVISION

A4

SHEET NUMBER

5 OF 5

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120066

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

molex

CSE M12 XP AC FE STR MA STR XM DE

PRODUCT CUSTOMER DRAWING

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

1200660269