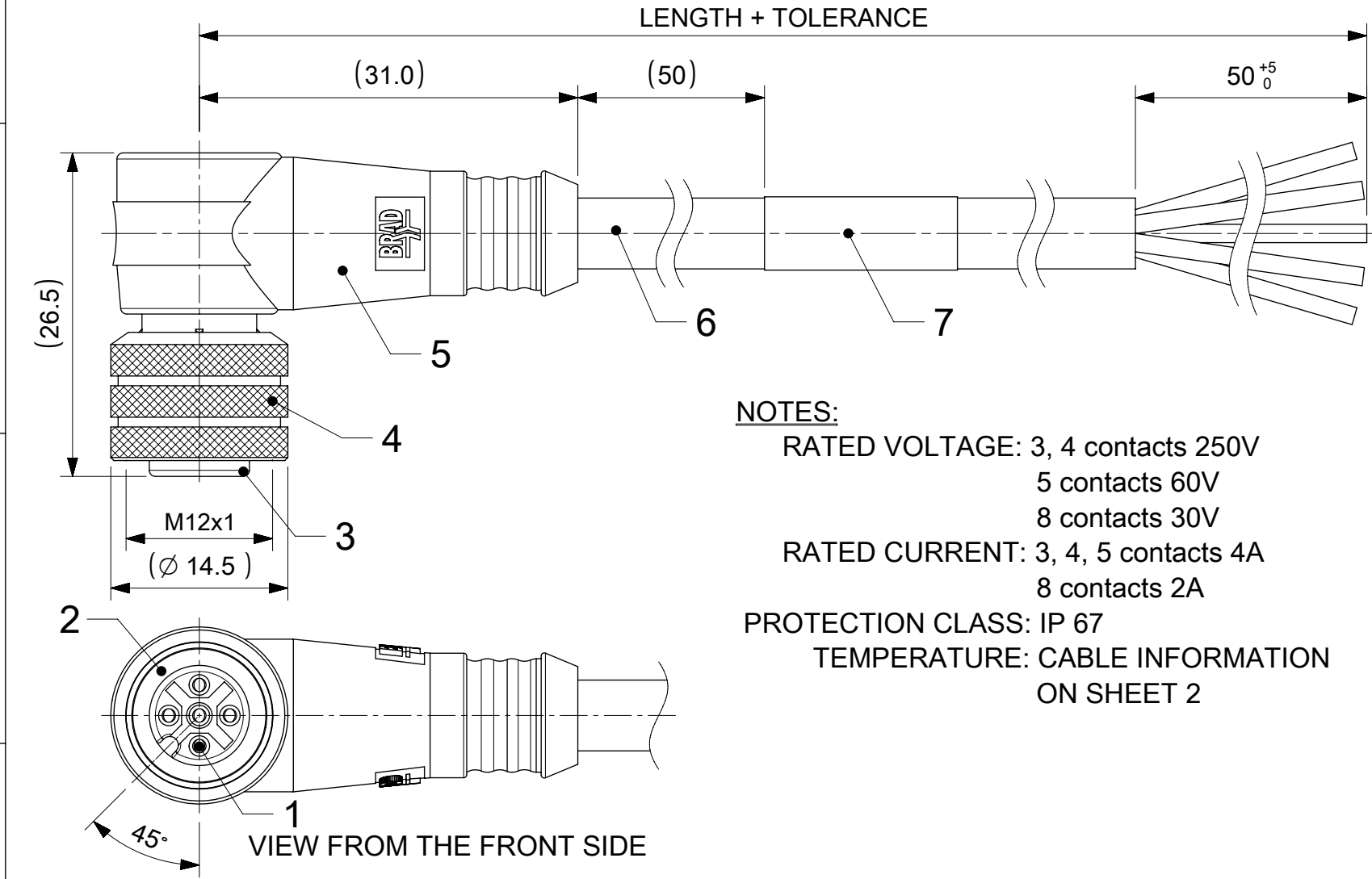
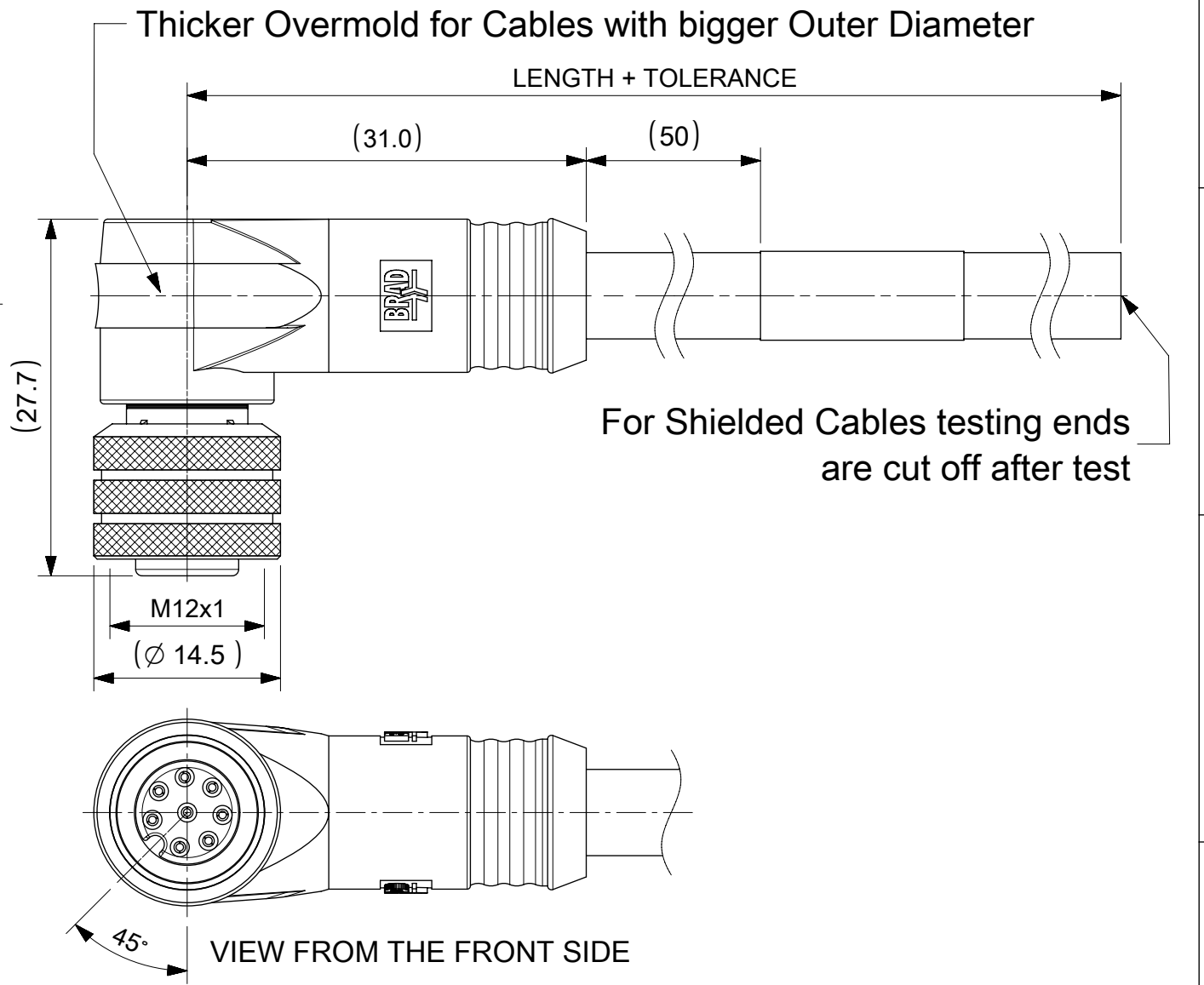


FEMALE PLUG M12 90° ANGLED



NOTES:  
RATED VOLTAGE: 3, 4 contacts 250V  
5 contacts 60V  
8 contacts 30V  
RATED CURRENT: 3, 4, 5 contacts 4A  
8 contacts 2A  
PROTECTION CLASS: IP 67  
TEMPERATURE: CABLE INFORMATION  
ON SHEET 2



CONTACTS POSITION FRONT VIEW:

| 3 CONTACTS |                       | 4 CONTACTS |       | 5 CONTACTS |                      | 8 CONTACTS |        |
|------------|-----------------------|------------|-------|------------|----------------------|------------|--------|
|            |                       |            |       |            |                      |            |        |
| 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 or YELLOW/GREEN | 4          | BLACK | 4          | BLACK                | 4          | YELLOW |
| 5          | ---                   | 5          | ---   | 5          | GREY or YELLOW/GREEN | 5          | GREY   |
|            |                       |            |       |            |                      | 6          | PINK   |
|            |                       |            |       |            |                      | 7          | BLUE   |
|            |                       |            |       |            |                      | 8          | RED    |

| CODING REQUIRED TO IEC 61076-2-101 |    |              |            |          |
|------------------------------------|----|--------------|------------|----------|
| DOCUMENT STATUS                    | P1 | RELEASE DATE | 2022/04/14 | 06:15:30 |

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

|      |               |                         |             |                      |
|------|---------------|-------------------------|-------------|----------------------|
| 7    | 1             | LABEL YELLOW            | VINYL       | ---                  |
|      | -             | PRINTING FOR CABLES lxx | ---         | ---                  |
| 6    | -             | CABLE                   | SEE SHEET 2 | ---                  |
| 5    | -             | OVERMOLDING BLACK       | TPU         | ---                  |
| 4    | 1             | COUPLING NUT FEMALE     | BRASS       | NICKEL               |
| 3    | 1             | INSERT FEMALE BLACK     | PUR         | ---                  |
| 2    | 1             | ORING RED               | FPM         | ---                  |
| 1    | 3 / 4 / 5 / 8 | CONTACT M12 FEMALE      | BRASS       | SELECTIVE Au OVER Ni |
| ITEM | QTY.          | DESCRIPTION             | MATERIAL    | FINISH               |

FUNCTIONAL SYMBOLS

$\sqrt{A}$

$\sqrt{E}$

$\sqrt{F}$

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

$\pm 1.0^\circ$

4 PLACES

$\pm$

3 PLACES

$\pm$

2 PLACES

$\pm 0.05$

1 PLACE

$\pm 0.1$

0 PLACES

$\pm 0.2$

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 703046

DRWN: APAWLAK01

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2022/04/12

2022/04/14

2022/04/14

2016/01/11

2016/04/08

A3-SIZE

120065

SEE PART LIST

GENERAL MARKET

1 OF 5

**molex**

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A11

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X001XXXXXX

80=M12x1  
Single ended

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

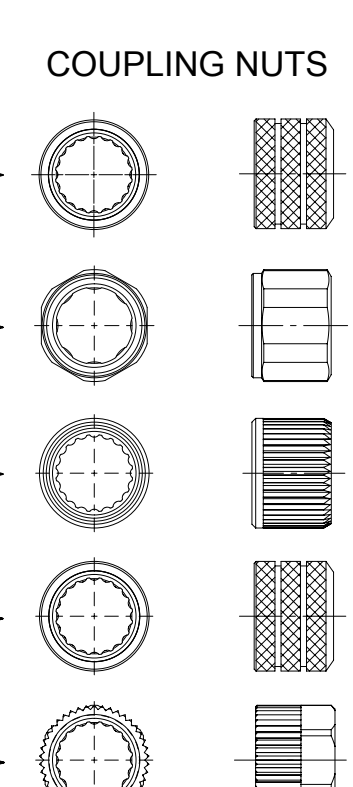
Heads style:  
001=Plug Female  
90° Angled

Cable type: See Table

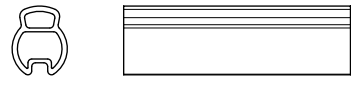
Units:  
M=Meter  
C=Centimeter

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

Overmold color:  
Blank (Standard)=Black TPU  
Blank=Yellow TPU for cables A09,S19,S20,S26  
Blank=Yellow TPE-E for cables K03,K05  
A=Grey / G=Black / Y=Yellow  
Blank=Yellow PVC for cable E13  
Coupling Nut:  
Blank (Standard) & 3=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



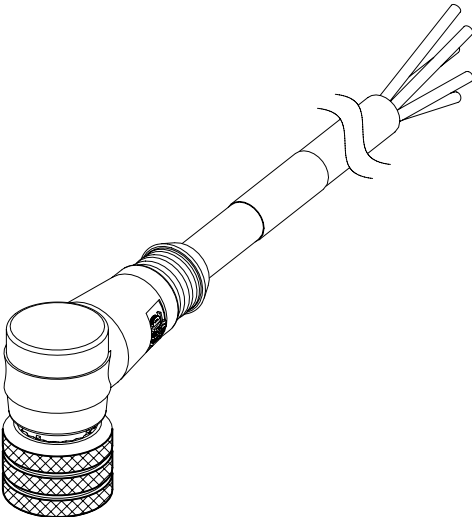
COUPLING NUTS



H= 2 pcs. of I/D Carrier  
PVC Transparent  
(Cables lxx & P82 always  
with 2 pcs. of I/D Carrier  
even if no H in  
Engineering No.)

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 |
|------------|---------------|---------------|-----------------|-----------------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------------------------|--------|
| A09        | 3 / 4 / 5     | 0.34mm²       | PVC YELLOW      | UL 2661               | I/II A/B 90°C/300V       | -                              | -                               | -                                                   | -      |
| E13        | 3             | 18AWG         | PVC YELLOW      | UL 2661/1731          | I/II A/B 80°C/300V       | -                              | -                               | -                                                   | -      |
| 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.         | -                                                   | -      |
| E52        | 3 / 4 / 8     | 0.34mm²       | PVC GREY        | -                     | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| 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 | -      |
| H12        | 4             | 0.50mm²       | PUR BLACK LS0H  | UL 21198/10493        | C22.2 I/II A/B 80°C/300V | -50°C to +80°C, 5xO.D.         | -25°C to +80°C, 10xO.D.         | 2 000 000, Temp max 60°C                            | -      |
| H69        | 4             | 0.20mm²       | PUR GREY LS0H   | -                     | -                        | -                              | -                               | -                                                   | -      |
| I02        | 3 / 4 / 8     | 0.25mm²       | PVC CEI GREY    | -                     | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| I03        | 3 / 4 / 5     | 0.34mm²       | PVC CEI GREY    | -                     | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| I04        | 4             | 0.50mm²       | PVC CEI GREY    | -                     | -                        | -25°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                   | -                                                   | -      |
| K03        | 5             | 18 AMG        | TPE YELLOW      | PLTC 105C E470965     | I/II A/B 90°C/300V       | -                              | -                               | -                                                   | -      |
| K05        | 3 / 4 / 5     | 0.34mm²       | TPE YELLOW      | UL ITC E195601 or PLC | I/II A/B 90°C/300V       | -                              | -                               | -                                                   | -      |
| 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.          | -                                                   | -      |
| P12        | 3 / 5         | 0.50mm²       | PUR BLACK       | -                     | -                        | -30°C to +90°C                 | -5°C to +90°C                   | -                                                   | -      |
| P19        | 8             | 0.25mm²       | PUR BLACK       | -                     | -                        | -40°C to +90°C, 7.5xO.D.       | -15°C to +90°C, 12.5xO.D.       | 2 000 000 cycles, 15xO.D.                           | YES    |
| P20        | 3 / 4 / 5     | 0.34mm²       | PUR BLACK LS0H  | -                     | -                        | -30°C to +80°C                 | -                               | -                                                   | YES    |
| P82        | 3 / 4 / 5     | 0.34mm²       | PUR IRR ORANGE  | -                     | -                        | -50°C to +105°C, 5xO.D.        | -40°C to +105°C, 7.5xO.D.       | -                                                   | -      |
| S19        | 8             | 0.25mm²       | PVC YELLOW      | UL 2661/1569          | C22.2 II A 105°C/300V    | -30°C to +105°C, 10xO.D.       | -15°C to +105°C, 15xO.D.        | -                                                   | YES    |
| S20        | 3 / 4 / 5     | 0.34mm²       | PVC YELLOW      | UL 2661/1731          | C22.2 II A 105°C/300V    | -30°C to +105°C                | -                               | -                                                   | YES    |
| S26        | 5             | 0.34mm²       | PVC YELLOW      | UL 2661/1731          | C22.2 II A 105°C/300V    | -30°C to +105°C                | -                               | -                                                   | YES    |



SCALE 1:1

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

mm

1:1

DIVISIONAL SYMBOLS

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

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:

EC NO: 703046  
DRWN: APAWLAK01  
CHK'D: RSILLER  
APPR: RSILLER

2022/04/12  
2022/04/14  
2022/04/14

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

2016/01/11  
2016/04/08

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A11

DOCUMENT STATUS

P1

RELEASE DATE

2022/04/14 06:15:30

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|   |           |            |                 |              |     |            |                 |              |     |            |                 |              |
|---|-----------|------------|-----------------|--------------|-----|------------|-----------------|--------------|-----|------------|-----------------|--------------|
|   | 10        | 9          | 8               | 7            | 6   | 5          | 4               | 3            | 2   | 1          |                 |              |
|   | PART LIST |            |                 |              |     |            |                 |              |     |            |                 |              |
| F | No.       | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length |
|   | 1         | 1200060007 | 803001E03M020   | 2m           | 36  | 1200060507 | 804001I03M100   | 10m          | 71  | 1200063340 | 803001P03M025   | 2.5m         |
|   | 2         | 1200060008 | 803001E03M050   | 5m           | 37  | 1200060508 | 804001I03M150   | 15m          | 72  | 1200063386 | 805001P82M0507  | 5m           |
|   | 3         | 1200060009 | 803001E03M100   | 10m          | 38  | 1200060510 | 804001P03M030   | 3m           | 73  | 1200063532 | 804001I03M0505  | 5m           |
|   | 4         | 1200060010 | 803001I03M050   | 5m           | 39  | 1200060516 | 804001P03M150   | 15m          | 74  | 1200063563 | 804001I04M030G  | 3m           |
|   | 5         | 1200060011 | 803001P03M020   | 2m           | 40  | 1200060517 | 804001P03M200   | 20m          | 75  | 1200063564 | 805001I26M100   | 10m          |
|   | 6         | 1200060012 | 803001P03M050   | 5m           | 41  | 1200060652 | 805001E03M020   | 2m           | 76  | 1200063645 | 803001E13M100   | 10m          |
|   | 7         | 1200060013 | 803001P03M100   | 10m          | 42  | 1200060654 | 805001E03M050   | 5m           | 77  | 1200063682 | 803001P82M0207  | 2m           |
|   | 8         | 1200060021 | 804001E03M020   | 2m           | 43  | 1200060655 | 805001E03M0501  | ✱5m          | 78  | 1200063754 | 808001P02M0501A | 5m           |
|   | 9         | 1200060022 | 804001E03M050   | 5m           | 44  | 1200060657 | 805001E03M100   | 10m          | 79  | 1200063825 | 805001I03M050G  | 5m           |
| E | 10        | 1200060023 | 804001E03M100   | 10m          | 45  | 1200060663 | 805001P03M020   | 2m           | 80  | 1200064134 | 804001E52M050   | 5m           |
|   | 11        | 1200060024 | 804001P03M020   | 2m           | 46  | 1200060664 | 805001P03M100   | 10m          | 81  | 1200064174 | 804001E03M5005  | 50m          |
|   | 12        | 1200060025 | 804001P03M050   | 5m           | 47  | 1200061336 | 804001E03M0205  | 2m           | 82  | 1200064210 | 803001I03M051   | 5.1m         |
|   | 13        | 1200060042 | 804001I03M050   | 5m           | 48  | 1200061538 | 803001E03M051   | 5.1m         | 83  | 1200064244 | 804001I03M040   | 4m           |
|   | 14        | 1200060043 | 804001P82M0507  | 5m           | 49  | 1200061552 | 803001E03M066   | 6.6m         | 84  | 1200064289 | 804001P03M400   | 40m          |
|   | 15        | 1200060175 | 803001E03M010   | 1m           | 50  | 1200061553 | 803001E03M058   | 5.8m         | 85  | 1200064350 | 804001P03M120   | 12m          |
|   | 16        | 1200060178 | 803001E03M030   | 3m           | 51  | 1200061563 | 805001I03M050   | 5m           | 86  | 1200064391 | 804001P03M1001  | 10m          |
|   | 17        | 1200060184 | 803001E03M150   | 15m          | 52  | 1200061760 | 805001P03M150   | 15m          | 87  | 1200064433 | 804001H09M050G  | 5m           |
|   | 18        | 1200060187 | 803001E03M200   | 20m          | 53  | 1200061850 | 805001I26M050   | 5m           | 88  | 1200064436 | 804001H09M100G  | 10m          |
|   | 19        | 1200060202 | 803001I03M020   | 2m           | 54  | 1200061986 | 804001P03M010   | 1m           | 89  | 1200065013 | 803001P03M030G  | 3m           |
| D | 20        | 1200060204 | 803001I03M030   | 3m           | 55  | 1200062027 | 803001P03M022   | 2.2m         | 90  | 1200071330 | 804001P82M0207  | 2m           |
|   | 21        | 1200060205 | 803001I03M100   | 10m          | 56  | 1200062093 | 804001H69M100   | 10m          | 91  | 1200650814 | 804001E52M050A  | 5m           |
|   | 22        | 1200060212 | 803001P03M030   | 3m           | 57  | 1200062155 | 804001P82M0307  | 3m           | 92  | 1200650960 | 808001P02M020   | 2m           |
|   | 23        | 1200060216 | 803001P03M150   | 15m          | 58  | 1200062161 | 804001P82M1007  | 10m          | 93  | 1200650961 | 808001P02M040   | 4m           |
|   | 24        | 1200060479 | 804001E03M010   | 1m           | 59  | 1200062292 | 803001E03M003   | 0.3m         | 94  | 1200650962 | 808001P02M050   | 5m           |
|   | 25        | 1200060480 | 804001E03M0201  | 2m           | 60  | 1200062313 | 804001P03M100H  | 10m          | 95  | 1200650963 | 808001P02M100   | 10m          |
|   | 26        | 1200060481 | 804001E03M030   | 3m           | 61  | 1200062334 | 805001I03M100   | 10m          | 96  | 1200651567 | 804001A09M100   | 10m          |
|   | 27        | 1200060483 | 804001E03M0501  | ✱5m          | 62  | 1200062520 | 804001P82M050   | 5m           | 97  | 1200651571 | 804001A09M150   | 15m          |
|   | 28        | 1200060485 | 804001E03M1001  | ✱10m         | 63  | 1200062575 | 804001I03M0501  | 5m           | 98  | 1200651575 | 804001A09M200   | 20m          |
|   | 29        | 1200060486 | 804001E03M150   | 15m          | 64  | 1200062615 | 804001P82M100   | 10m          | 99  | 1200651642 | 804001K05M050   | 5m           |
| C | 30        | 1200060487 | 804001E03M200   | 20m          | 65  | 1200062764 | 805001P82M1007  | 10m          | 100 | 1200651644 | 804001K05M100   | 10m          |
|   | 31        | 1200060488 | 804001E03M250   | 25m          | 66  | 1200062837 | 803001P03M006   | 0.6m         | 101 | 1200651771 | 803001E52M050A  | 5m           |
|   | 32        | 1200060489 | 804001E03M300   | 30m          | 67  | 1200062838 | 808001E52M100   | 10m          | 102 | 1200651783 | 804001P03M020G  | 2m           |
|   | 33        | 1200060492 | 804001E52M100A  | 10m          | 68  | 1200062851 | 803001I03M025   | 2.5m         | 103 | 1200651785 | 804001P03M050G  | 5m           |
|   | 34        | 1200060503 | 804001I03M020   | 2m           | 69  | 1200063286 | 803001E13M030   | 3m           | 104 | 1200651787 | 804001P03M100   | 10m          |
|   | 35        | 1200060505 | 804001I03M030   | 3m           | 70  | 1200063320 | 803001E13M060   | 6m           | 105 | 1200651793 | 805001P03M050   | 5m           |
|   |           |            |                 |              |     |            |                 |              |     |            |                 |              |
|   |           |            |                 |              |     |            |                 |              |     |            |                 |              |
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## PART LIST

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 141 | 1200658541 | 804001E03M070   | 7m           |
| 142 | 1200658564 | 803001E03M040   | 4m           |
| 143 | 1200658573 | 805001E03M010   | 1m           |
| 144 | 1200658574 | 805001E03M030   | 3m           |
| 145 | 1200658575 | 805001E03M040   | 4m           |
| 146 | 1200658585 | 808001E02M010   | 1m           |
| 147 | 1200658586 | 808001E02M020   | 2m           |
| 148 | 1200658587 | 808001E02M030   | 3m           |
| 149 | 1200658589 | 808001E02M100   | 10m          |
| 150 | 1200658594 | 803001I03M040   | 4m           |
| 151 | 1200658607 | 805001I03M030   | 3m           |
| 152 | 1200658608 | 805001I03M040   | 4m           |
| 153 | 1200658619 | 808001P02M010   | 1m           |
| 154 | 1200658649 | 808001H08M020   | 2m           |
| 155 | 1200658652 | 808001H08M100   | 10m          |
| 156 | 1200658664 | 805001H09M010   | 1m           |
| 157 | 1200658666 | 805001H09M030   | 3m           |
| 158 | 1200658668 | 804001H09M010   | 1m           |
| 159 | 1200658670 | 804001H09M030   | 3m           |
| 160 | 1200658683 | 808001I02M010   | 1m           |
| 161 | 1200658684 | 808001I02M020   | 2m           |
| 162 | 1200658685 | 808001I02M030   | 3m           |
| 163 | 1200658686 | 808001I02M040   | 4m           |
| 164 | 1200658687 | 808001I02M050   | 5m           |
| 165 | 1200658688 | 808001I02M100   | 10m          |
| 166 | 1200658707 | 804001I03M010G  | 1m           |
| 167 | 1200658708 | 804001I03M020G  | 2m           |
| 168 | 1200658709 | 804001I03M030G  | 3m           |
| 169 | 1200658710 | 804001I03M040G  | 4m           |
| 170 | 1200658711 | 804001I03M050G  | 5m           |
| 171 | 1200658712 | 804001I03M100G  | 10m          |
| 172 | 1200658713 | 803001H09M010   | 1m           |
| 173 | 1200658715 | 803001H09M020   | 2m           |
| 174 | 1200658718 | 803001H09M050   | 5m           |
| 175 | 1200658719 | 803001H09M100   | 10m          |

| No. | Part No    | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 176 | 1200658931 | 808001E02M150   | 15m          |
| 177 | 1200658932 | 808001E02M250   | 25m          |
| 178 | 1200658933 | 805001P12M050   | 5m           |
| 179 | 1200658934 | 805001P12M100   | 10m          |
| 180 | 1200658992 | 804001P03M050H  | 5m           |
| 181 | 1200659032 | 804001E02M050   | 5m           |
| 182 | 1200659033 | 804001E02M100   | 10m          |
| 183 | 1200659039 | 804001E02M070   | 7m           |
| 184 | 1200659048 | 804001E02M1001  | 10m          |
| 185 | 1200659068 | 804001I03M050Y  | 5m           |
| 186 | 1200659069 | 804001P82M0507Y | 5m           |
| 187 | 1200659078 | 804001I03M100Y  | 10m          |
| 188 | 1200659084 | 805001I26M050Y  | 5m           |
| 189 | 1200659086 | 804001P82M1007Y | 10m          |
| 190 | 1200659095 | 804001H09M050HY | 5m           |
| 191 | 1200659112 | 804001H12M050   | 5m           |
| 192 | 1200659117 | 805001I26M100Y  | 10m          |
| 193 | 1200659118 | 803001I03M050Y  | 5m           |
| 194 | 1200659120 | 803001I03M030Y  | 3m           |
| 195 | 1200659121 | 803001I03M100Y  | 10m          |
| 196 | 1200659124 | 804001H09M100HY | 10m          |
| 197 | 1200659140 | 805001H09M200   | 20m          |
| 198 | 1200659147 | 805001E03M200   | 20m          |
| 199 | 1200659160 | 804001I03M020Y  | 2m           |
| 200 | 1200659164 | 804001E03M025   | 2.5m         |
| 201 | 1200659168 | 803001I03M025Y  | 2.5m         |
| 202 | 1200659173 | 803001E03M050H  | 5m           |
| 203 | 1200659181 | 803001E03M100H  | 10m          |
| 204 | 1200659182 | 804001E03M020H  | 2m           |
| 205 | 1200659235 | 803001E03M300   | 30m          |
| 206 | 1200659251 | 804001H12M010   | 1m           |
| 207 | 1200659252 | 804001H12M030   | 3m           |
| 208 | 1200659266 | 804001P03M020Y  | 2m           |
| 209 | 1200659270 | 804001H12M100   | 10m          |
| 210 | 1200659342 | 804001P03M1501  | ★ 15m        |

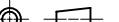
| No. | Part No.   | Engineering No. | Cable Length |
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| 211 | 1200659343 | 804001P03M2501  | ✱ 25m        |
| 212 | 1200659361 | 804001I03M030Y  | 3m           |
| 213 | 1200659373 | 803001E02M030   | 3m           |
| 214 | 1200659398 | 808001P02M100Y  | 10m          |
| 215 | 1200659592 | 805001E03M080   | 8m           |
| 216 | 1200659637 | 808001E02M1001  | 10m          |
| 217 | 1200659771 | 804001H12M1009  | 10m          |
| 218 | 1200659772 | 804001H12M0309  | 3m           |
| 219 | 1200659773 | 804001H12M0509  | 5m           |
| 220 | 1200659775 | 803001P03M050HY | 5m           |
| 221 | 1200668648 | 804001P82M0207Y | 2m           |
| 222 | 1200658588 | 808001E02M040   | 4m           |
| 223 | 1200060482 | 804001E03M040   | 4m           |
| 224 | 1200061540 | 803001E03M033   | 3.3m         |
| 225 | 1200061541 | 803001E03M022   | 2.2m         |
| 226 | 1200061542 | 803001E03M011   | 1.1m         |
| 227 | 1200063648 | 804001E03M2001  | ✱ 20m        |
| 228 | 1200064145 | 804001E03M3001  | ✱ 30m        |
| 229 | 1200064402 | 804001E03M005   | 0.5m         |
| 230 | 1200658884 | 804001E03M100H  | 10m          |
| 231 | 1200658898 | 804001E03M150H  | 15m          |
| 232 | 1200659352 | 805001E03M1001  | ✱ 10m        |
| 233 | 1200659353 | 805001E03M2501  | ✱ 25m        |
| 234 | 1200659502 | 805001E03M005   | 0.5m         |
| 235 | 1200658647 | 808001H08M010   | 1m           |
| 236 | 1200658648 | 808001H08M015   | 1.5m         |
| 237 | 1200658650 | 808001H08M030   | 3m           |
| 238 | 1200658651 | 808001H08M040   | 4m           |
| 239 | 1200658196 | 804001H09M200   | 20m          |
| 240 | 1200658665 | 805001H09M015   | 1.5m         |
| 241 | 1200658667 | 805001H09M040   | 4m           |
| 242 | 1200658669 | 804001H09M015   | 1.5m         |
| 243 | 1200658671 | 804001H09M040   | 4m           |
| 244 | 1200658714 | 803001H09M015   | 1.5m         |
| 245 | 1200658716 | 803001H09M030   | 3m           |

| No. | Part No.   | Engineering No. | Cable Length |
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| 246 | 1200658717 | 803001H09M040   | 4m           |
| 247 | 1200659675 | 804001H09M220   | 22m          |
| 248 | 1200658620 | 808001P02M030   | 3m           |
| 249 | 1200061318 | 803001P03M010   | 1m           |
| 250 | 1200063405 | 804001P03M003   | 0.3m         |
| 251 | 1200063793 | 804001P03M140   | 14m          |
| 252 | 1200652156 | 805001P03M060   | 6m           |
| 253 | 1200656575 | 805001P03M300   | 30m          |
| 254 | 1200658184 | 805001P03M040   | 4m           |
| 255 | 1200658206 | 804001P03M060   | 6m           |
| 256 | 1200658311 | 803001P03M200   | 20m          |
| 257 | 1200658312 | 803001P03M300   | 30m          |
| 258 | 1200658611 | 803001P03M040   | 4m           |
| 259 | 1200658617 | 805001P03M010   | 1m           |
| 260 | 1200658627 | 805001P03M030   | 3m           |
| 261 | 1200651639 | 804001K05M020   | 2m           |
| 262 | 1200651640 | 804001K05M030   | 3m           |
| 263 | 1200651628 | 804001K03M050   | 5m           |
| 264 | 1200651634 | 804001K03M100   | 10m          |
| 265 | 1200651720 | 805001K03M020   | 2m           |
| 266 | 1200651722 | 805001K03M050   | 5m           |
| 267 | 1200652155 | 805001K03M100   | 10m          |
| 268 | 1200658783 | 804001E03M060   | 6m           |
| 269 | 1200651556 | 804001A09M0408  | 4m           |
| 270 | 1200651557 | 804001A09M0402  | 4m           |
| 271 | 1200651558 | 804001A09M050   | 5m           |
| 272 | 1200651559 | 804001A09M0508  | 5m           |
| 273 | 1200651560 | 804001A09M0502  | 5m           |
| 274 | 1200651562 | 804001A09M060   | 6m           |
| 275 | 1200651563 | 804001A09M0608  | 6m           |
| 276 | 1200651564 | 804001A09M070   | 7m           |
| 277 | 1200651565 | 804001A09M080   | 8m           |
| 278 | 1200651566 | 804001A09M090   | 9m           |
| 279 | 1200651568 | 804001A09M1008  | 10m          |
| 280 | 1200651569 | 804001A09M120   | 12m          |

NOTES:

- Part No. with Yellow PVC overmolding

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| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/04/14 | 06:15:30 |
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| FUNCTIONAL SYMBOLS                                                                                                                                                                          |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                       |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
| <div><div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> |  | DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                 |  | CURRENT REV DESC:<br><br>EC NO: 703046<br>DRWN: APAWLAK012022/04/12<br>CHK'D: RSILLER2022/04/14<br>APPR: RSILLER2022/04/14<br><br>INITIAL REVISION:<br>DRWN: JMARSZALEK2016/01/11<br>APPR: RSILLER2016/04/08 |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | mm                                                                                                                                            |  | 1:1                                                                                   |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                                                                                       |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
| DIVISIONAL SYMBOLS                                                                                                                                                                          |  | ANGULAR TOL                                                                                                                                   |  | ± 1.0 °                                                                               |  | CSE M12 XP AC FE RA XM SE UNSH                                                                                                                                                                               |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | 4 PLACES                                                                                                                                      |  | ±                                                                                     |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | 3 PLACES                                                                                                                                      |  | ±                                                                                     |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | 2 PLACES                                                                                                                                      |  | ± 0.05                                                                                |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | 1 PLACE                                                                                                                                       |  | ± 0.1                                                                                 |  |                                                                                                                                                                                                              |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | 0 PLACES                                                                                                                                      |  | ± 0.2                                                                                 |  | PRODUCT CUSTOMER DRAWING                                                                                                                                                                                     |  |        |  |                 |  |                |  |              |  |                 |  |
|                                                                                                                                                                                             |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION                                                                |  |                                                                                                                                                                                                              |  |        |  |                 |  | DRAWING        |  | SERIES       |  | DOCUMENT NUMBER |  |
|                                                                                                                                                                                             |  |                                                                                                                                               |  |  |  | A3-SIZE                                                                                                                                                                                                      |  | 120065 |  | 1200658471      |  | PSD            |  | 000          |  | A11             |  |
|                                                                                                                                                                                             |  |                                                                                                                                               |  |                                                                                       |  |                                                                                                                                                                                                              |  |        |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |                 |  |
|                                                                                                                                                                                             |  |                                                                                                                                               |  |                                                                                       |  |                                                                                                                                                                                                              |  |        |  | SEE PART LIST   |  | GENERAL MARKET |  | 4 OF 5       |  |                 |  |

PART LIST

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 281 | 1200651570 | 804001A09M1208  | 12m          |
| 282 | 1200651573 | 804001A09M170   | 17m          |
| 283 | 1200651574 | 804001A09M180   | 18m          |
| 284 | 1200651696 | 805001A09M005   | 0.5m         |
| 285 | 1200651697 | 805001A09M020   | 2m           |
| 286 | 1200651698 | 805001A09M0208  | 2m           |
| 287 | 1200651699 | 805001A09M0202  | 2m           |
| 288 | 1200651700 | 805001A09M040   | 4m           |
| 289 | 1200651701 | 805001A09M050   | 5m           |
| 290 | 1200651702 | 805001A09M0508  | 5m           |
| 291 | 1200651703 | 805001A09M060   | 6m           |
| 292 | 1200651704 | 805001A09M070   | 7m           |
| 293 | 1200651705 | 805001A09M080   | 8m           |
| 294 | 1200651706 | 805001A09M100   | 10m          |
| 295 | 1200651707 | 805001A09M1008  | 10m          |
| 296 | 1200651708 | 805001A09M1002  | 10m          |
| 297 | 1200651868 | 805001A09M0708  | 7m           |
| 298 | 1200651949 | 804001A09M0602  | 6m           |
| 299 | 1200651983 | 805001A09M030   | 3m           |
| 300 | 1200651985 | 803001A09M0202  | 2m           |
| 301 | 1200652078 | 804001A09M0302  | 3m           |
| 302 | 1200652079 | 805001A09M300   | 30m          |
| 303 | 1200652111 | 805001A09M150   | 15m          |
| 304 | 1200652122 | 805001A09M0502  | 5m           |
| 305 | 1200652170 | 804001A09C2508  | 0.25m        |
| 306 | 1200652197 | 805001A09M1508  | 15m          |
| 307 | 1200652216 | 804001A09M0708  | 7m           |
| 308 | 1200652419 | 804001A09M2008  | 20m          |
| 309 | 1200652439 | 804001A09M0108  | 1m           |
| 310 | 1200659215 | 805001A09M010   | 1m           |
| 311 | 1200659216 | 805001A09M200   | 20m          |
| 312 | 1202010010 | 804001A09M250   | 25m          |
| 313 | 1200060221 | 803001S20M020   | 2m           |
| 314 | 1200060222 | 803001S20M030   | 3m           |
| 315 | 1200060224 | 803001S20M050   | 5m           |

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 316 | 1200659374 | 804001S20M350   | 35m          |
| 317 | 1200659774 | 808001S19M150   | 15m          |
| 318 | 1200659810 | 805001S26M200   | 20m          |
| 319 | 1200060225 | 803001S20M100   | 10m          |
| 320 | 1200060527 | 804001S20M010   | 1m           |
| 321 | 1200060528 | 804001S20M020   | 2m           |
| 322 | 1200060529 | 804001S20M030   | 3m           |
| 323 | 1200060531 | 804001S20M050   | 5m           |
| 324 | 1200061612 | 804001S20M030H  | 3m           |
| 325 | 1200062121 | 804001S20M060   | 6m           |
| 326 | 1200062148 | 804001I20M160   | 16m          |
| 327 | 1200062160 | 804001S20M100H  | 10m          |
| 328 | 1200062374 | 804001S20M020H  | 2m           |
| 329 | 1200062502 | 804001S20M050H  | 5m           |
| 330 | 1200062589 | 804001S20M010H  | 1m           |
| 331 | 1200062919 | 804001P20M100   | 10m          |
| 332 | 1200062922 | 804001P20M050   | 5m           |
| 333 | 1200063109 | 804001S20M1001  | 10m          |
| 334 | 1200063165 | 805001P20M050   | 5m           |
| 335 | 1200064184 | 804001P20M250   | 25m          |
| 336 | 1200064268 | 808001S19M100   | 10m          |
| 337 | 1200064380 | 804001S20M0201  | 2m           |
| 338 | 1200064381 | 804001S20M0501  | 5m           |
| 339 | 1200064452 | 804001S20M3001  | 30m          |
| 340 | 1200064457 | 803001S20M0501  | 5m           |
| 341 | 1200650910 | 804001S20M100   | 10m          |
| 342 | 1200655008 | 808001P19M050   | 5m           |
| 343 | 1200658090 | 805001S26M100   | 10m          |
| 344 | 1200658187 | 804001S20M200   | 20m          |
| 345 | 1200658203 | 805001S26M1001  | 10m          |
| 346 | 1200658276 | 804001I20M100   | 10m          |
| 347 | 1200658287 | 803001I20M100   | 10m          |
| 348 | 1200658324 | 804001P20M030   | 3m           |
| 349 | 1200658328 | 808001P19M100   | 10m          |
| 350 | 1200658510 | 804001S20M2001  | 20m          |

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 351 | 1200658544 | 808001P19M250   | 25m          |
| 352 | 1200658547 | 803001P20M150   | 15m          |
| 353 | 1200658875 | 803001S20M0201G | 2m           |
| 354 | 1200659029 | 804001S20M150   | 15m          |
| 355 | 1200659114 | 805001S26M050   | 5m           |
| 356 | 1200659156 | 805001S26M2001  | 20m          |
| 357 | 1200659240 | 803001P20M100HY | 10m          |
| 358 | 1200657238 | 805001E03M250   | 25m          |
| 359 | 1200657145 | 804001P03M006   | 0.6m         |
| 360 | 1200657146 | 804001P03M070   | 7m           |
| 361 | 1200657147 | 804001P03M080   | 8m           |
| 362 | 1200657148 | 804001E03M003   | 0.3m         |
| 363 | 1200657149 | 804001E03M006   | 0.6m         |
| 364 | 1200657150 | 804001E03M080   | 8m           |
| 365 | 1200657185 | 805001E03M015   | 1.5m         |
| 366 | 1200658573 | 805001E03M010   | 1m           |
| 367 | 1200659738 | 804001P03M015   | 1.5m         |
| 368 | 1200657265 | 805001H09M500   | 50m          |
| 369 |            |                 |              |
| 370 |            |                 |              |
| 371 |            |                 |              |
| 372 |            |                 |              |
| 373 |            |                 |              |
| 374 |            |                 |              |
| 375 |            |                 |              |
| 376 |            |                 |              |
| 377 |            |                 |              |
| 378 |            |                 |              |
| 379 |            |                 |              |
| 380 |            |                 |              |
| 381 |            |                 |              |
| 382 |            |                 |              |
| 383 |            |                 |              |
| 384 |            |                 |              |
| 385 |            |                 |              |

FUNCTIONAL SYMBOLS

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

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DIVISIONAL SYMBOLS

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CURRENT REV DESC:

EC NO: 703046

DRWN: APAWLAK01

CHK'D: RSILLER

APPR: RSILLER

2022/04/12

2022/04/14

2022/04/14

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/11

2016/04/08

molex

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A11

SEE PART LIST

GENERAL MARKET

5 OF 5

10

9

8

7

6

5

4

3

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