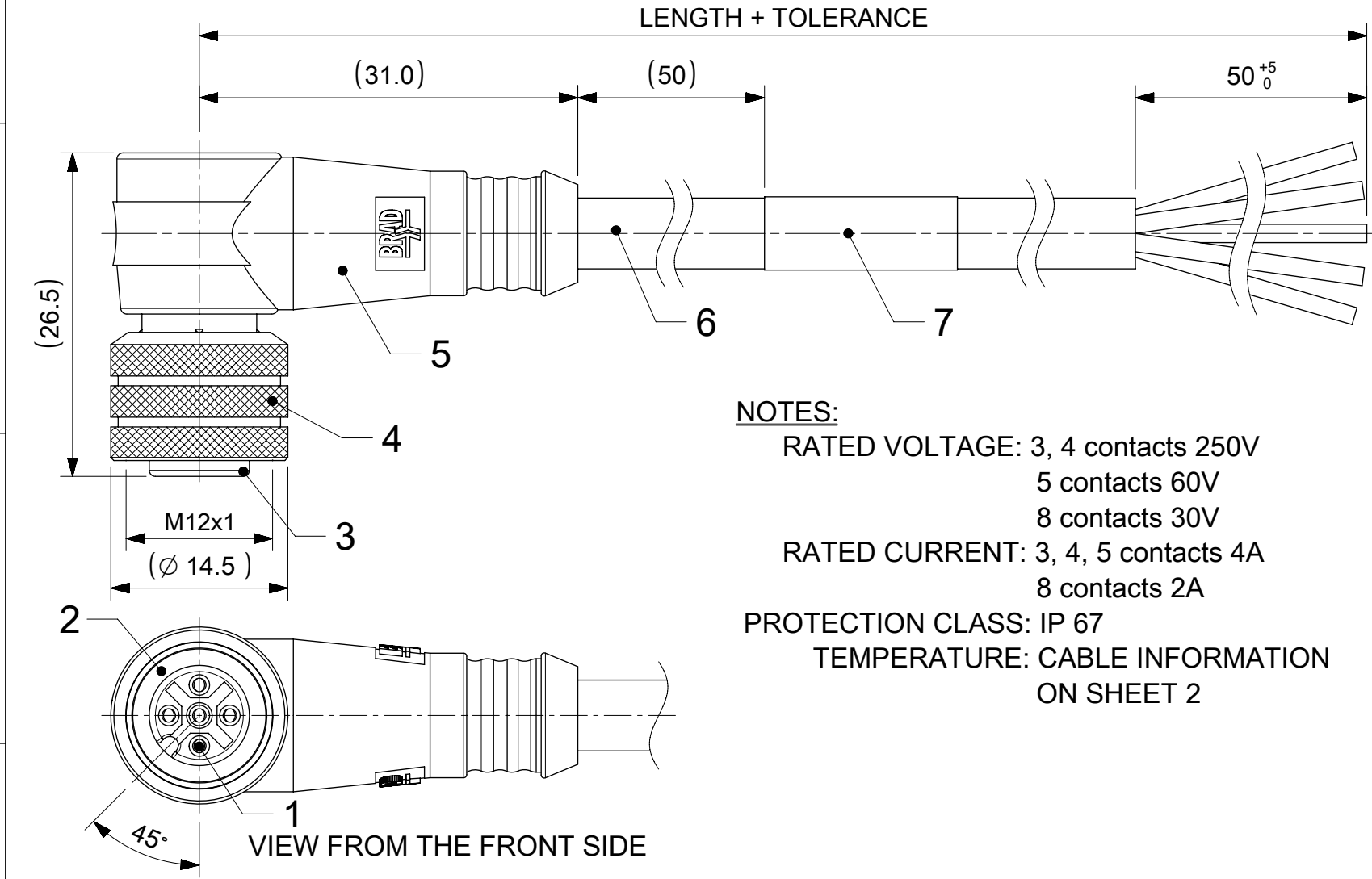
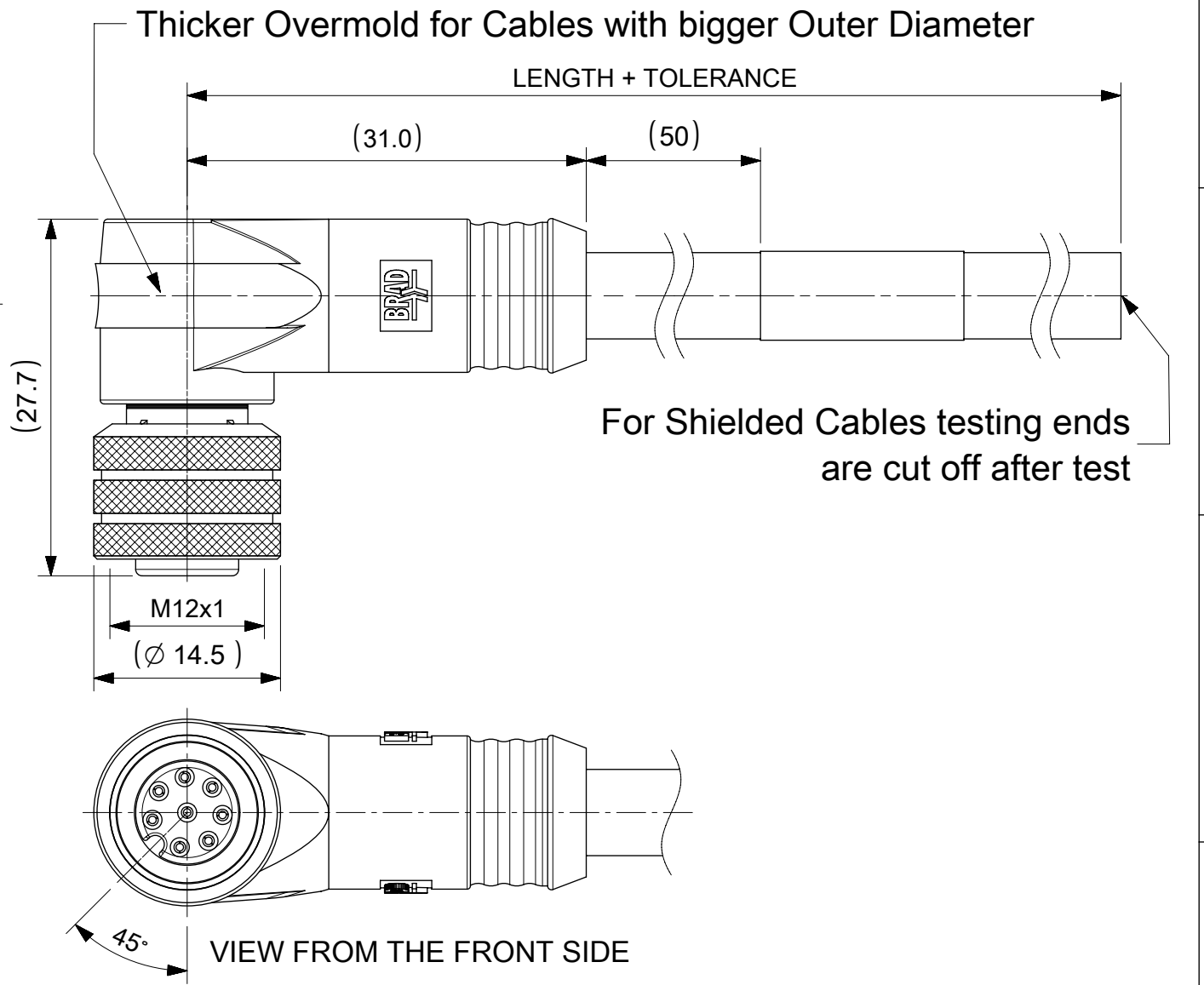


FEMALE PLUG M12 90° ANGLED



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

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               |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |               |                                                                                                |             |                      |
| DIMENSION UNITS                                                                                                                               | SCALE         | <div>molex</div> <div>CSE M12 XP AC FE RA XM SE UNSH</div> <div>PRODUCT CUSTOMER DRAWING</div> |             |                      |
| mm                                                                                                                                            | 2:1           |                                                                                                |             |                      |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |               |                                                                                                |             |                      |
| ANGULAR TOL ± 1.0 °                                                                                                                           |               |                                                                                                |             |                      |
| 4 PLACES                                                                                                                                      | ±             |                                                                                                |             |                      |
| 3 PLACES                                                                                                                                      | ±             | EC NO: 774109<br>DRWN: VISHAH2 2023/12/20<br>CHK'D: GGA 2024/01/29<br>APPR: GGA 2024/01/29     |             |                      |
| 2 PLACES                                                                                                                                      | ± 0.05        |                                                                                                |             |                      |
| 1 PLACE                                                                                                                                       | ± 0.1         |                                                                                                |             |                      |
| 0 PLACES                                                                                                                                      | ± 0.2         |                                                                                                |             |                      |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |               | DOCUMENT NUMBER<br>1200658471                                                                  |             |                      |
| THIRD ANGLE PROJECTION                                                                                                                        |               | MATERIAL NUMBER                                                                                |             | DOC TYPE             |
|                                                                                                                                               |               | SEE PART LIST                                                                                  |             | PSD                  |
| DRAWING<br>A3-SIZE                                                                                                                            |               | CUSTOMER<br>GENERAL MARKET                                                                     |             | DOC PART<br>000      |
| SERIES<br>120065                                                                                                                              |               | SHEET NUMBER<br>1 OF 5                                                                         |             | REVISION<br>A13      |

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

OPTIONS

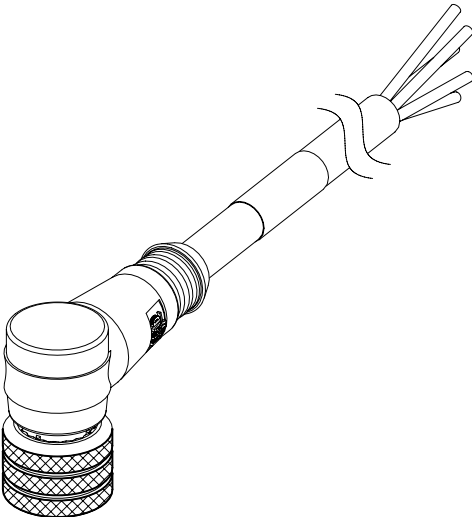
H= 2 pcs. of I/D Carrier  
PVC Transparent  
(Cables lxx & P82 always  
with 2 pcs. of I/D Carrier  
even if no H in  
Engineering No.)

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

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 |

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

DIMENSION UNITS  
mm

SCALE  
1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514486

EC NO: 774109  
DRWN: VISHAH2  
CHK'D: GGA  
APPR: GGA  
2023/12/20  
2024/01/29  
2024/01/29

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER  
2016/01/11  
2016/04/08

THIRD ANGLE PROJECTION

DRAWING  
A3-SIZE

SERIES  
120065

MATERIAL NUMBER  
SEE PART LIST

CUSTOMER  
GENERAL MARKET

SHEET NUMBER  
2 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  
A13

|           |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |    |            |               |     |     |            |                 |    |    |            |               |    |    |            |               |     |     |            |                |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |               |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |                |     |    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| PART LIST |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |     |            |                 |              |    |            |               |     |     |            |                 |    |    |            |               |    |    |            |               |     |     |            |                |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |               |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |                |     |    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| No.       | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length |    |            |               |     |     |            |                 |    |    |            |               |    |    |            |               |     |     |            |                |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |               |    |     |            |                |    |    |            |               |    |    |            |               |    |     |            |                |     |     |            |                |     |    |            |               |     |     |            |                |      |     |            |               |      |     |            |                |    |    |            |               |    |     |            |               |     |     |            |               |    |     |            |               |    |    |            |               |    |     |            |               |    |     |            |               |     |     |            |                |     |     |            |               |     |     |            |               |     |     |            |               |     |     |            |               |    |     |            |               |    |     |            |                |    |     |            |                |     |     |            |               |     |     |            |               |    |     |            |               |      |     |            |                |    |     |            |                |      |     |            |               |    |     |            |               |      |     |            |                |     |     |             |               |    |     |            |               |      |     |            |                |    |     |            |               |    |     |            |               |    |     |            |                |    |     |            |               |     |     |            |               |     |     |            |                |    |     |            |               |     |     |            |               |    |     |            |                |    |     |            |               |    |     |            |               |    |     |            |                |    |     |            |               |    |     |            |               |      |     |            |                |    |     |            |               |     |     |       |       |     |     |            |                |    |     |         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   |            |               |     |     |            |                |    |     |            |               |     |     |            |               |     |     |            |                |    |     |            |               |     |     |            |               |     |     |            |                |    |     |            |               |     |     |            |               |     |     |            |                |    |     |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |     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    |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |     |      |            |                |    |      |            |               |     |     |            |               |
| 1         | 1200060007 | 803001E03M020   | 2m           | 36  | 1200060508 | 804001I03M150   | 15m          | 71  | 1200063645 | 803001E13M100   | 10m          | 106 | 1200656216 | 808001E02M200   | 20m          | 21  | 1200060008 | 803001E03M050   | 5m           | 56  | 1200060510 | 804001P03M030   | 3m           | 91  | 1200063682 | 803001P82M0207  | 2m           | 126 | 1200656382 | 808001P02M400   | 40m          | 31  | 1200060009 | 803001E03M100   | 10m          | 66 | 1200060516 | 804001P03M150 | 15m | 101 | 1200063754 | 808001P02M0501A | 5m | 41 | 1200060010 | 803001I03M050 | 5m | 76 | 1200060517 | 804001P03M200 | 20m | 111 | 1200063825 | 805001I03M050G | 5m | 146 | 1200656595 | 804001E02M0501 | 5m | 51 | 1200060011 | 803001P03M020 | 2m | 86 | 1200060652 | 805001E03M020 | 2m | 121 | 1200064134 | 804001E52M050 | 5m | 156 | 1200658010 | 804001H09M050H | 5m | 61 | 1200060012 | 803001P03M050 | 5m | 96 | 1200060654 | 805001E03M050 | 5m | 131 | 1200064174 | 804001E03M5005 | 50m | 166 | 1200658011 | 804001H09M100H | 10m | 71 | 1200060013 | 803001P03M100 | 10m | 106 | 1200060655 | 805001E03M0501 | ✱ 5m | 141 | 1200064210 | 803001I03M051 | 5.1m | 176 | 1200658071 | 804001E03M050H | 5m | 81 | 1200060021 | 804001E03M020 | 2m | 116 | 1200060657 | 805001E03M100 | 10m | 151 | 1200064244 | 804001I03M040 | 4m | 186 | 1200658089 | 805001P12M020 | 2m | 91 | 1200060022 | 804001E03M050 | 5m | 126 | 1200060663 | 805001P03M020 | 2m | 161 | 1200064289 | 804001P03M400 | 40m | 196 | 1200658185 | 804001H09M150G | 15m | 101 | 1200060023 | 804001E03M100 | 10m | 136 | 1200060664 | 805001P03M100 | 10m | 171 | 1200064350 | 804001P03M120 | 12m | 206 | 1200658193 | 804001H09M050 | 5m | 111 | 1200060024 | 804001P03M020 | 2m | 146 | 1200061336 | 804001E03M0205 | 2m | 181 | 1200064391 | 804001P03M1001 | 10m | 216 | 1200658194 | 804001H09M100 | 10m | 121 | 1200060025 | 804001P03M050 | 5m | 156 | 1200061538 | 803001E03M051 | 5.1m | 191 | 1200064433 | 804001H09M050G | 5m | 226 | 1200658234 | 803001E03M0501 | ✱ 5m | 131 | 1200060042 | 804001I03M050 | 5m | 166 | 1200061552 | 803001E03M066 | 6.6m | 201 | 1200064436 | 804001H09M100G | 10m | 166 | 12000600175 | 803001E03M010 | 1m | 196 | 1200061553 | 803001E03M058 | 5.8m | 236 | 1200064505 | 804001H09M050G | 5m | 191 | 1200060178 | 803001E03M030 | 3m | 226 | 1200061563 | 805001I03M050 | 5m | 261 | 1200064506 | 804001H09M050G | 5m | 201 | 1200060184 | 803001E03M150 | 15m | 256 | 1200061760 | 805001P03M150 | 15m | 291 | 1200064507 | 804001H09M050G | 5m | 226 | 1200060187 | 803001E03M200 | 20m | 266 | 1200061850 | 805001I26M050 | 5m | 301 | 1200064508 | 804001H09M050G | 5m | 251 | 1200060202 | 803001I03M020 | 2m | 286 | 1200061986 | 804001P03M010 | 1m | 321 | 1200064509 | 804001H09M050G | 5m | 261 | 1200060204 | 803001I03M030 | 3m | 296 | 1200062027 | 803001P03M022 | 2.2m | 331 | 1200064510 | 804001H09M050G | 5m | 291 | 1200060205 | 803001I03M100 | 10m | 326 | ----- | ----- | 10m | 361 | 1200064511 | 804001H09M050G | 5m | 301 | 1200060212 | 803001P03M030 | 3m | 356 | 1200062292 | 803001E03M003 | 0.3m | 391 | 1200064512 | 804001H09M050G | 5m | 326 | 1200060216 | 803001P03M150 | 15m | 386 | 1200062313 | 804001P03M100H | 10m | 421 | 1200064513 | 804001H09M050G | 5m | 351 | 12000602479 | 804001E03M010 | 1m | 416 | 1200062334 | 805001I03M100 | 10m | 451 | 1200064514 | 804001H09M050G | 5m | 386 | 1200060480 | 804001E03M0201 | 2m | 446 | 1200062575 | 804001I03M0501 | 5m | 481 | 1200064515 | 804001H09M050G | 5m | 421 | 1200060481 | 804001E03M030 | 3m | 476 | 1200062764 | 805001P82M1007 | 10m | 516 | 1200064516 | 804001H09M050G | 5m | 451 | 1200060483 | 804001E03M0501 | ✱ 5m | 466 | 1200062837 | 803001P03M006 | 0.6m | 551 | 1200064517 | 804001H09M050G | 5m | 486 | 1200060485 | 804001E03M1001 | ✱ 10m | 496 | 1200062838 | 808001E52M100 | 10m | 581 | 1200064518 | 804001H09M050G | 5m | 526 | 1200060486 | 804001E03M150 | 15m | 516 | 1200062851 | 803001I03M025 | 2.5m | 616 | 1200064519 | 804001H09M050G | 5m | 551 | 1200060487 | 804001E03M200 | 20m | 546 | 1200063286 | 803001E13M030 | 3m | 641 | 1200064520 | 804001H09M050G | 5m | 586 | 1200060488 | 804001E03M250 | 25m | 576 | 1200063320 | 803001E13M060 | 6m | 671 | 1200064521 | 804001H09M050G | 5m | 616 | 1200060489 | 804001E03M300 | 30m | 566 | 1200063340 | 803001P03M025 | 2.5m | 701 | 1200064522 | 804001H09M050G | 5m | 651 | 1200060492 | 804001E52M100A | 10m | 556 | 1200063386 | 805001P82M0507 | 5m | 736 | 1200064523 | 804001H09M050G | 5m | 686 | 1200060503 | 804001I03M020 | 2m | 546 | 1200063532 | 804001I03M0505 | 5m | 771 | 1200064524 | 804001H09M050G | 5m | 716 | 1200060505 | 804001I03M030 | 3m | 536 | 1200063563 | 804001I04M030G | 3m | 801 | 1200064525 | 804001H09M050G | 5m | 751 | 1200060507 | 804001I03M100 | 10m | 526 | 1200063564 | 805001I26M100 | 10m | 836 | 1200064526 | 804001H09M050G | 5m | 786 | 1200060507 | 804001I03M100 | 10m | 516 | 1200063564 | 805001I26M100 | 10m | 866 | 1200064527 | 804001H09M050G | 5m | 816 | 1200060507 | 804001I03M100 | 10m | 506 | 1200063564 | 805001I26M100 | 10m | 896 | 1200064528 | 804001H09M050G | 5m | 856 | 1200060507 | 804001I03M100 | 10m | 496 | 1200063564 | 805001I26M100 | 10m | 926 | 1200064529 | 804001H09M050G | 5m | 906 | 1200060507 | 804001I03M100 | 10m | 486 | 1200063564 | 805001I26M100 | 10m | 956 | 1200064530 | 804001H09M050G | 5m | 946 | 1200060507 | 804001I03M100 | 10m | 476 | 1200063564 | 805001I26M100 | 10m | 986 | 1200064531 | 804001H09M050G | 5m | 976 | 1200060507 | 804001I03M100 | 10m | 466 | 1200063564 | 805001I26M100 | 10m | 1016 | 1200064532 | 804001H09M050G | 5m | 1006 | 1200060507 | 804001I03M100 | 10m | 456 | 1200063564 | 805001I26M100 | 10m | 1046 | 1200064533 | 804001H09M050G | 5m | 1036 | 1200060507 | 804001I03M100 | 10m | 446 | 1200063564 | 805001I26M100 | 10m | 1076 | 1200064534 | 804001H09M050G | 5m | 1066 | 1200060507 | 804001I03M100 | 10m | 436 | 1200063564 | 805001I26M100 | 10m | 1106 | 1200064535 | 804001H09M050G | 5m | 1096 | 1200060507 | 804001I03M100 | 10m | 426 | 1200063564 | 805001I26M100 | 10m | 1136 | 1200064536 | 804001H09M050G | 5m | 1126 | 1200060507 | 804001I03M100 | 10m | 416 | 1200063564 | 805001I26M100 | 10m | 1166 | 1200064537 | 804001H09M050G | 5m | 1156 | 1200060507 | 804001I03M100 | 10m | 406 | 1200063564 | 805001I26M100 | 10m | 1196 | 1200064538 | 804001H09M050G | 5m | 1186 | 1200060507 | 804001I03M100 | 10m | 396 | 1200063564 | 805001I26M100 | 10m | 1226 | 1200064539 | 804001H09M050G | 5m | 1216 | 1200060507 | 804001I03M100 | 10m | 386 | 1200063564 | 805001I26M100 | 10m | 1256 | 1200064540 | 804001H09M050G | 5m | 1246 | 1200060507 | 804001I03M100 | 10m | 376 | 1200063564 | 805001I26M100 | 10m | 1286 | 1200064541 | 804001H09M050G | 5m | 1276 | 1200060507 | 804001I03M100 | 10m | 366 | 1200063564 | 805001I26M100 | 10m | 1316 | 1200064542 | 804001H09M050G | 5m | 1306 | 1200060507 | 804001I03M100 | 10m | 356 | 1200063564 | 805001I26M100 | 10m | 1346 | 1200064543 | 804001H09M050G | 5m | 1336 | 1200060507 | 804001I03M100 | 10m | 346 | 1200063564 | 805001I26M100 | 10m | 1376 | 1200064544 | 804001H09M050G | 5m | 1366 | 1200060507 | 804001I03M100 | 10m | 336 | 1200063564 | 805001I26M100 | 10m | 1406 | 1200064545 | 804001H09M050G | 5m | 1396 | 1200060507 | 804001I03M100 | 10m | 326 | 1200063564 | 805001I26M100 | 10m | 1436 | 1200064546 | 804001H09M050G | 5m | 1426 | 1200060507 | 804001I03M100 | 10m | 316 | 1200063564 | 805001I26M100 | 10m | 1466 | 1200064547 | 804001H09M050G | 5m | 1456 | 1200060507 | 804001I03M100 | 10m | 306 | 1200063564 | 805001I26M100 | 10m | 1496 | 1200064548 | 804001H09M050G | 5m | 1486 | 1200060507 | 804001I03M100 | 10m | 296 | 1200063564 | 805001I26M100 | 10m | 1526 | 1200064549 | 804001H09M050G | 5m | 1516 | 1200060507 | 804001I03M100 | 10m | 286 | 1200063564 | 805001I26M100 | 10m | 1556 | 1200064550 | 804001H09M050G | 5m | 1546 | 1200060507 | 804001I03M100 | 10m | 276 | 1200063564 | 805001I26M100 | 10m | 1586 | 1200064551 | 804001H09M050G | 5m | 1576 | 1200060507 | 804001I03M100 | 10m | 266 | 1200063564 | 805001I26M100 | 10m | 1616 | 1200064552 | 804001H09M050G | 5m | 1606 | 1200060507 | 804001I03M100 | 10m | 256 | 1200063564 | 805001I26M100 | 10m | 1646 | 1200064553 | 804001H09M050G | 5m | 1636 | 1200060507 | 804001I03M100 | 10m | 246 | 1200063564 | 805001I26M100 | 10m | 1676 | 1200064554 | 804001H09M050G | 5m | 1666 | 1200060507 | 804001I03M100 | 10m | 236 | 1200063564 | 805001I26M100 | 10m | 1706 | 1200064555 | 804001H09M050G | 5m | 1696 | 1200060507 | 804001I03M100 | 10m | 226 | 1200063564 | 805001I26M100 | 10m | 1736 | 1200064556 | 804001H09M050G | 5m | 1726 | 1200060507 | 804001I03M100 | 10m | 216 | 1200063564 | 805001I26M100 | 10m | 1766 | 1200064557 | 804001H09M050G | 5m | 1756 | 1200060507 | 804001I03M100 | 10m | 206 | 1200063564 | 805001I26M100 | 10m | 1796 | 1200064558 | 804001H09M050G | 5m | 1786 | 1200060507 | 804001I03M100 | 10m | 196 | 1200063564 | 805001I26M100 | 10m | 1826 | 1200064559 | 804001H09M050G | 5m | 1816 | 1200060507 | 804001I03M100 | 10m | 186 | 1200063564 | 805001I26M100 | 10m | 1856 | 1200064560 | 804001H09M050G | 5m | 1846 | 1200060507 | 804001I03M100 | 10m | 176 | 1200063564 | 805001I26M100 | 10m | 1886 | 1200064561 | 804001H09M050G | 5m | 1876 | 1200060507 | 804001I03M100 | 10m | 166 | 1200063564 | 805001I26M100 | 10m | 1916 | 1200064562 | 804001H09M050G | 5m | 1906 | 1200060507 | 804001I03M100 | 10m | 156 | 1200063564 | 805001I26M100 | 10m | 1946 | 1200064563 | 804001H09M050G | 5m | 1936 | 1200060507 | 804001I03M100 | 10m | 146 | 1200063564 | 805001I26M100 | 10m | 1976 | 1200064564 | 804001H09M050G | 5m | 1966 | 1200060507 | 804001I03M100 | 10m | 136 | 1200063564 | 805001I26M100 | 10m | 2006 | 1200064565 | 804001H09M050G | 5m | 1996 | 1200060507 | 804001I03M100 | 10m | 126 | 1200063564 | 805001I26M100 | 10m | 2036 | 1200064566 | 804001H09M050G | 5m | 2026 | 1200060507 | 804001I03M100 | 10m | 116 | 1200063564 | 805001I26M100 | 10m | 2066 | 1200064567 | 804001H09M050G | 5m | 2056 | 1200060507 | 804001I03M100 | 10m | 106 | 1200063564 | 805001I26M100 |

PART LIST

| No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|-----|------------|-----------------|--------------|-----|------------|-----------------|--------------|-----|------------|-----------------|--------------|
| 141 | 1200658586 | 808001E02M020   | 2m           | 176 | 1200659033 | 804001E02M100   | 10m          | 211 | 1200659773 | 804001H12M0509  | ✱ 5m         | 246 | 1200658206 | 804001P03M060   | 6m           |
| 142 | 1200658587 | 808001E02M030   | 3m           | 177 | 1200659039 | 804001E02M070   | 7m           | 212 | 1200659775 | 803001P03M050HY | 5m           | 247 | 1200658311 | 803001P03M200   | 20m          |
| 143 | 1200658589 | 808001E02M100   | 10m          | 178 | 1200659048 | 804001E02M1001  | 10m          | 213 | 1200658588 | 808001E02M040   | 4m           | 248 | 1200658312 | 803001P03M300   | 30m          |
| 144 | 1200658594 | 803001I03M040   | 4m           | 179 | 1200659068 | 804001I03M050Y  | 5m           | 214 | 1200060482 | 804001E03M040   | 4m           | 249 | 1200658611 | 803001P03M040   | 4m           |
| 145 | 1200658607 | 805001I03M030   | 3m           | 180 | 1200659078 | 804001I03M100Y  | 10m          | 215 | 1200061540 | 803001E03M033   | 3.3m         | 250 | 1200658617 | 805001P03M010   | 1m           |
| 146 | 1200658608 | 805001I03M040   | 4m           | 181 | 1200659084 | 805001I26M050Y  | 5m           | 216 | 1200061541 | 803001E03M022   | 2.2m         | 251 | 1200658627 | 805001P03M030   | 3m           |
| 147 | 1200658619 | 808001P02M010   | 1m           | 182 | 1200659095 | 804001H09M050HY | 5m           | 217 | 1200061542 | 803001E03M011   | 1.1m         | 252 | 1200651639 | 804001K05M020   | 2m           |
| 148 | 1200658649 | 808001H08M020   | 2m           | 183 | 1200659112 | 804001H12M050   | 5m           | 218 | 1200063648 | 804001E03M2001  | 20m          | 253 | 1200651640 | 804001K05M030   | 3m           |
| 149 | 1200658652 | 808001H08M100   | 10m          | 184 | 1200659117 | 805001I26M100Y  | 10m          | 219 | 1200064145 | 804001E03M3001  | 30m          | 254 | 1200651628 | 804001K03M050   | 5m           |
| 150 | 1200658664 | 805001H09M010   | 1m           | 185 | 1200659118 | 803001I03M050Y  | 5m           | 220 | 1200064402 | 804001E03M005   | 0.5m         | 255 | 1200651634 | 804001K03M100   | 10m          |
| 151 | 1200658666 | 805001H09M030   | 3m           | 186 | 1200659120 | 803001I03M030Y  | 3m           | 221 | 1200658884 | 804001E03M100H  | 10m          | 256 | 1200651720 | 805001K03M020   | 2m           |
| 152 | 1200658668 | 804001H09M010   | 1m           | 187 | 1200659121 | 803001I03M100Y  | 10m          | 222 | 1200658898 | 804001E03M150H  | 15m          | 257 | 1200651722 | 805001K03M050   | 5m           |
| 153 | 1200658670 | 804001H09M030   | 3m           | 188 | 1200659124 | 804001H09M100HY | 10m          | 223 | 1200659352 | 805001E03M1001  | 10m          | 258 | 1200652155 | 805001K03M100   | 10m          |
| 154 | 1200658683 | 808001I02M010   | 1m           | 189 | 1200659140 | 805001H09M200   | 20m          | 224 | 1200659353 | 805001E03M2501  | 25m          | 259 | 1200658783 | 804001E03M060   | 6m           |
| 155 | 1200658684 | 808001I02M020   | 2m           | 190 | 1200659147 | 805001E03M200   | 20m          | 225 | 1200659502 | 805001E03M005   | 0.5m         | 260 | 1200651557 | 804001A09M0402  | 4m           |
| 156 | 1200658685 | 808001I02M030   | 3m           | 191 | 1200659160 | 804001I03M020Y  | 2m           | 226 | 1200658647 | 808001H08M010   | 1m           | 261 | 1200651558 | 804001A09M050   | 5m           |
| 157 | 1200658686 | 808001I02M040   | 4m           | 192 | 1200659164 | 804001E03M025   | 2.5m         | 227 | 1200658648 | 808001H08M015   | ✱ 1.5m       | 262 | 1200651560 | 804001A09M0502  | 5m           |
| 158 | 1200658687 | 808001I02M050   | 5m           | 193 | 1200659168 | 803001I03M025Y  | 2.5m         | 228 | 1200658650 | 808001H08M030   | ✱ 3m         | 263 | 1200651562 | 804001A09M060   | 6m           |
| 159 | 1200658688 | 808001I02M100   | 10m          | 194 | 1200659173 | 803001E03M050H  | 5m           | 229 | 1200658651 | 808001H08M040   | 4m           | 264 | 1200651564 | 804001A09M070   | 7m           |
| 160 | 1200658707 | 804001I03M010G  | 1m           | 195 | 1200659181 | 803001E03M100H  | 10m          | 230 | 1200658196 | 804001H09M200   | 20m          | 265 | 1200651565 | 804001A09M080   | 8m           |
| 161 | 1200658708 | 804001I03M020G  | 2m           | 196 | 1200659182 | 804001E03M020H  | 2m           | 231 | 1200658665 | 805001H09M015   | 1.5m         | 266 | 1200651566 | 804001A09M090   | 9m           |
| 162 | 1200658709 | 804001I03M030G  | 3m           | 197 | 1200659235 | 803001E03M300   | 30m          | 232 | 1200658667 | 805001H09M040   | ✱ 4m         | 267 | 1200651569 | 804001A09M120   | 12m          |
| 163 | 1200658710 | 804001I03M040G  | 4m           | 198 | 1200659251 | 804001H12M010   | 1m           | 233 | 1200658669 | 804001H09M015   | ✱ 1.5m       | 268 | 1200651573 | 804001A09M170   | 17m          |
| 164 | 1200658711 | 804001I03M050G  | 5m           | 199 | 1200659252 | 804001H12M030   | 3m           | 234 | 1200658671 | 804001H09M040   | 4m           | 269 | 1200651574 | 804001A09M180   | 18m          |
| 165 | 1200658712 | 804001I03M100G  | 10m          | 200 | 1200659266 | 804001P03M020Y  | 2m           | 235 | 1200658714 | 803001H09M015   | 1.5m         | 270 | 1200651696 | 805001A09M005   | 0.5m         |
| 166 | 1200658713 | 803001H09M010   | 1m           | 201 | 1200659270 | 804001H12M100   | 10m          | 236 | 1200658716 | 803001H09M030   | 3m           | 271 | 1200651697 | 805001A09M020   | 2m           |
| 167 | 1200658715 | 803001H09M020   | 2m           | 202 | 1200659342 | 804001P03M1501  | 15m          | 237 | 1200658717 | 803001H09M040   | 4m           | 272 | 1200651699 | 805001A09M0202  | 2m           |
| 168 | 1200658718 | 803001H09M050   | 5m           | 203 | 1200659343 | 804001P03M2501  | 25m          | 238 | 1200659675 | 804001H09M220   | 22m          | 273 | 1200651700 | 805001A09M040   | 4m           |
| 169 | 1200658719 | 803001H09M100   | 10m          | 204 | 1200659361 | 804001I03M030Y  | 3m           | 239 | 1200658620 | 808001P02M030   | 3m           | 274 | 1200651701 | 805001A09M050   | 5m           |
| 170 | 1200658931 | 808001E02M150   | 15m          | 205 | 1200659373 | 803001E02M030   | 3m           | 240 | 1200061318 | 803001P03M010   | 1m           | 275 | 1200651703 | 805001A09M060   | 6m           |
| 171 | 1200658932 | 808001E02M250   | 25m          | 206 | 1200659398 | 808001P02M100Y  | 10m          | 241 | 1200063405 | 804001P03M003   | 0.3m         | 276 | 1200651704 | 805001A09M070   | 7m           |
| 172 | 1200658933 | 805001P12M050   | 5m           | 207 | 1200659592 | 805001E03M080   | 8m           | 242 | 1200063793 | 804001P03M140   | 14m          | 277 | 1200651705 | 805001A09M080   | 8m           |
| 173 | 1200658934 | 805001P12M100   | 10m          | 208 | 1200659637 | 808001E02M1001  | 10m          | 243 | 1200652156 | 805001P03M060   | 6m           | 278 | 1200651706 | 805001A09M100   | 10m          |
| 174 | 1200658992 | 804001P03M050H  | 5m           | 209 | 1200659771 | 804001H12M1009  | 10m          | 244 | 1200656575 | 805001P03M300   | 30m          | 279 | 1200651708 | 805001A09M1002  | 10m          |
| 175 | 1200659032 | 804001E02M050   | 5m           | 210 | 1200659772 | 804001H12M0309  | ✱ 3m         | 245 | 1200658184 | 805001P03M040   | 4m           | 280 | 1200651868 | 805001A09M0708  | 7m           |

NOTES:  
- Part No. with Yellow PVC overmolding

PART LIST

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 281 | 1200651949 | 804001A09M0602  | 6m           |
| 282 | 1200651983 | 805001A09M030   | 3m           |
| 283 | 1200651985 | 803001A09M0202  | 2m           |
| 284 | 1200652078 | 804001A09M0302  | 3m           |
| 285 | 1200652079 | 805001A09M300   | 30m          |
| 286 | 1200652111 | 805001A09M150   | 15m          |
| 287 | 1200652122 | 805001A09M0502  | 5m           |
| 288 | 1200652170 | 804001A09C2508  | 0.25m        |
| 289 | 1200652197 | 805001A09M1508  | 15m          |
| 290 | 1200652216 | 804001A09M0708  | 7m           |
| 291 | 1200652419 | 804001A09M2008  | 20m          |
| 292 | 1200652439 | 804001A09M0108  | 1m           |
| 293 | 1200659215 | 805001A09M010   | 1m           |
| 294 | 1200659216 | 805001A09M200   | 20m          |
| 295 | 1202010010 | 804001A09M250   | 25m          |
| 296 | 1200060221 | 803001S20M020   | 2m           |
| 297 | 1200060222 | 803001S20M030   | 3m           |
| 298 | 1200060224 | 803001S20M050   | 5m           |
| 299 | 1200659374 | 804001S20M350   | 35m          |
| 300 | 1200659774 | 808001S19M150   | 15m          |
| 301 | 1200659810 | 805001S26M200   | 20m          |
| 302 | 1200060225 | 803001S20M100   | 10m          |
| 303 | 1200060527 | 804001S20M010   | 1m           |
| 304 | 1200060528 | 804001S20M020   | 2m           |
| 305 | 1200060529 | 804001S20M030   | 3m           |
| 306 | 1200060531 | 804001S20M050   | 5m           |
| 307 | 1200061612 | 804001S20M030H  | 3m           |
| 308 | 1200062121 | 804001S20M060   | 6m           |
| 309 | 1200062148 | 804001I20M160   | 16m          |
| 310 | 1200062160 | 804001S20M100H  | 10m          |
| 311 | 1200062374 | 804001S20M020H  | 2m           |
| 312 | 1200062502 | 804001S20M050H  | 5m           |
| 313 | 1200062589 | 804001S20M010H  | 1m           |
| 314 | 1200062919 | 804001P20M100   | 10m          |
| 315 | 1200062922 | 804001P20M050   | 5m           |

| No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|
| 316 | 1200063109 | 804001S20M1001  | 10m          |
| 317 | 1200063165 | 805001P20M050   | 5m           |
| 318 | 1200064184 | 804001P20M250   | 25m          |
| 319 | 1200064268 | 808001S19M100   | 10m          |
| 320 | 1200064380 | 804001S20M0201  | 2m           |
| 321 | 1200064381 | 804001S20M0501  | 5m           |
| 322 | 1200064452 | 804001S20M3001  | 30m          |
| 323 | 1200064457 | 803001S20M0501  | 5m           |
| 324 | 1200650910 | 804001S20M100   | 10m          |
| 325 | 1200655008 | 808001P19M050   | 5m           |
| 326 | 1200658090 | 805001S26M100   | 10m          |
| 327 | 1200658187 | 804001S20M200   | 20m          |
| 328 | 1200658203 | 805001S26M1001  | 10m          |
| 329 | 1200658276 | 804001I20M100   | 10m          |
| 330 | 1200658287 | 803001I20M100   | 10m          |
| 331 | 1200658324 | 804001P20M030   | 3m           |
| 332 | 1200658328 | 808001P19M100   | 10m          |
| 333 | 1200658510 | 804001S20M2001  | 20m          |
| 334 | 1200658544 | 808001P19M250   | 25m          |
| 335 | 1200658547 | 803001P20M150   | 15m          |
| 336 | 1200658875 | 803001S20M0201G | 2m           |
| 337 | 1200659029 | 804001S20M150   | 15m          |
| 338 | 1200659114 | 805001S26M050   | 5m           |
| 339 | 1200659156 | 805001S26M2001  | 20m          |
| 340 | 1200659240 | 803001P20M100HY | 10m          |
| 341 | 1200657238 | 805001E03M250   | 25m          |
| 342 | 1200657145 | 804001P03M006   | 0.6m         |
| 343 | 1200657146 | 804001P03M070   | 7m           |
| 344 | 1200657147 | 804001P03M080   | 8m           |
| 345 | 1200657148 | 804001E03M003   | 0.3m         |
| 346 | 1200657149 | 804001E03M006   | 0.6m         |
| 347 | 1200657150 | 804001E03M080   | 8m           |
| 348 | 1200657185 | 805001E03M015   | 1.5m         |
| 349 | 1200658573 | 805001E03M010   | 1m           |
| 350 | 1200657265 | 805001H09M500   | 50m          |

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

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETE PART  
NUMBERS AS PER PCN#514486

EC NO: 774109  
DRWN: VISHAH2  
CHK'D: GGA  
APPR: GGA

2023/12/20  
2024/01/29  
2024/01/29

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

2016/01/11  
2016/04/08

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

120065

SEE PART LIST

GENERAL MARKET

5 OF 5

1200658471

PSD

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A13

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS

P1

RELEASE DATE

2024/01/29

05:14:35

1200658471

PSD

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A13

1200658471

PSD

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