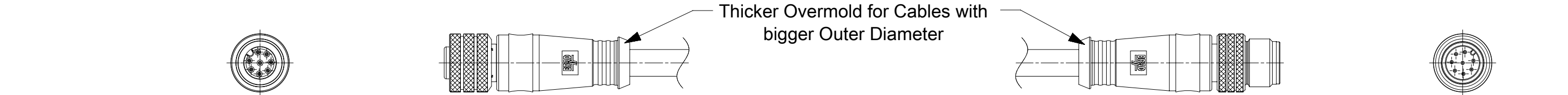
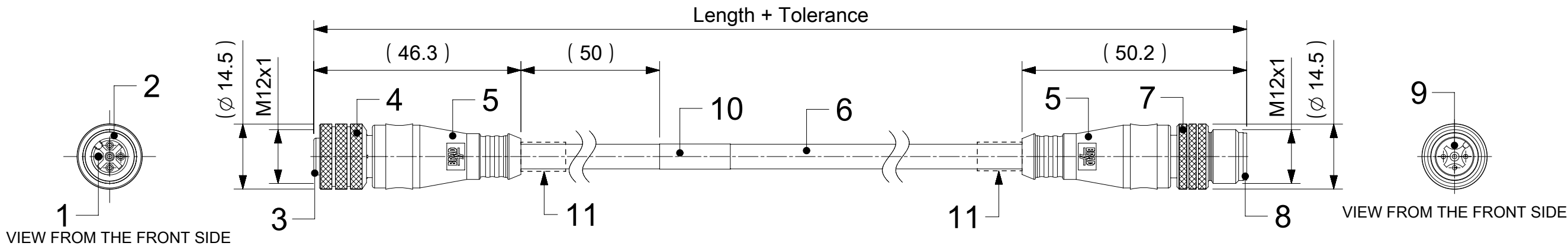


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT

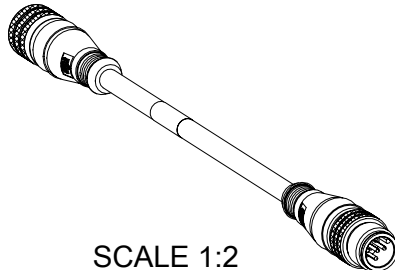


NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664  
5 contacts 60V per IEC 60664  
5 contacts 250V per UL 2238  
8 contacts 30V per IEC 60664  
RATED CURRENT: 3, 4, 5 contacts 4A  
8 contacts 2A  
PROTECTION CLASS: IP 67  
TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

|                                    | 3 CONTACTS |       | 4 CONTACTS |       | 5 CONTACTS |       | 8 CONTACTS |        |
|------------------------------------|------------|-------|------------|-------|------------|-------|------------|--------|
| FEMALE                             |            |       |            |       |            |       |            |        |
| MALE                               |            |       |            |       |            |       |            |        |
| CONNECTIONS                        | PIN        | WIRE  | PIN        | WIRE  | PIN        | WIRE  | PIN        | WIRE   |
|                                    | 1          | BROWN | 1          | BROWN | 1          | BROWN | 1          | WHITE  |
|                                    | 2          | -     | 2          | WHITE | 2          | WHITE | 2          | BROWN  |
|                                    | 3          | BLUE  | 3          | BLUE  | 3          | BLUE  | 3          | GREEN  |
|                                    | 4          | BLACK | 4          | BLACK | 4          | BLACK | 4          | YELLOW |
|                                    |            |       |            |       | 5          | GREY  | 5          | GREY   |
|                                    |            |       |            |       |            |       | 6          | PINK   |
|                                    |            |       |            |       |            |       | 7          | BLUE   |
| CODING REQUIRED TO IEC 61076-2-101 |            |       |            |       |            |       |            |        |



FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

|      |               |                     |               |                            |
|------|---------------|---------------------|---------------|----------------------------|
| 11   | SEE SHEET 2   | ID CARRIER          | PVC           | TRANSPARENT                |
| 10   | 1             | LABEL YELLOW        | VINYL         | -                          |
| 9    | 3 / 4 / 5 / 8 | CONTACT MALE        | SEE PART LIST | SELECTIVE GOLD OVER NICKEL |
| 8    | 1             | INSERT MALE BLACK   | TPU           | -                          |
| 7    | 1             | COUPLING NUT MALE   | -             | -                          |
| 6    | -             | CABLE               | SEE SHEET 2   | -                          |
| 5    | -             | OVERMOULDING BLACK  | TPU           | -                          |
| 4    | 1             | COUPLING NUT FEMALE | -             | -                          |
| 3    | 1             | INSERT FEMALE BLACK | PUR           | -                          |
| 2    | 1             | O-RING RED          | FPM           | -                          |
| 1    | 3 / 4 / 5 / 8 | CONTACT FEMALE      | SEE PART LIST | SELECTIVE GOLD OVER NICKEL |
| ITEM | QTY.          | DESCRIPTION         | MATERIAL      | FINISH                     |

|                                                      |  |                                                                                                                                               |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--------|-----------------------------------|--|------------------|--|--------------|----------|----------|--|
| FUNCTIONAL SYMBOLS                                   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| DIMENSION UNITS                                      |  | SCALE                                                                                                                                         |  | CURRENT REV DESC: NEW P/N'S ADDED TO THE DRAWING 12335                       |        |                                   |  | <div>molex</div> |  |              |          |          |  |
| mm                                                   |  | 1:1                                                                                                                                           |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | EC NO: 769491<br>DRWN: VHANDI 2023/10/30<br>CHK'D: RSILLER 2023/11/21<br>APPR: RSILLER 2023/11/21                                             |  |                                                                              |        | CSE M12 XP AC FE STR MA STR XM DE |  |                  |  |              |          |          |  |
| ANGULAR TOL ± 1.0 °                                  |  |                                                                                                                                               |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| 4 PLACES ±                                           |  |                                                                                                                                               |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| 3 PLACES ±                                           |  |                                                                                                                                               |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| 2 PLACES ± 0.05                                      |  |                                                                                                                                               |  |                                                                              |        |                                   |  |                  |  |              |          |          |  |
| DIVISIONAL SYMBOLS                                   |  | 1 PLACE ± 0.3                                                                                                                                 |  | INITIAL REVISION:<br>DRWN: JMARSZALEK 2016/09/16<br>APPR: RSILLER 2016/12/08 |        |                                   |  | DOCUMENT NUMBER  |  | DOC TYPE     | DOC PART | REVISION |  |
| 0 PLACES ± 0.5                                       |  |                                                                                                                                               |  |                                                                              |        |                                   |  | 1200668084       |  | PSD          | 000      | A17      |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION                                                                                                                        |  | DRAWING                                                                      | SERIES | MATERIAL NUMBER                   |  | CUSTOMER         |  | SHEET NUMBER |          |          |  |
|                                                      |  |                                                                                                                                               |  | A3-SIZE                                                                      | 120066 | SEE SHEET 3-4                     |  | GENERAL MARKET   |  | 1 OF 4       |          |          |  |

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

## OPTIONS

COUPLING NUTS  
FEMALE MALE

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 8 | X | 0 | 3 | 0 | X | X | X | X | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

88=Micro-Change  
M12x1  
Double ended

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

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

Cable type: See Table

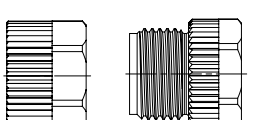
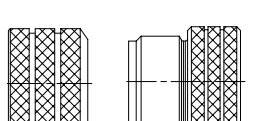
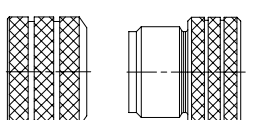
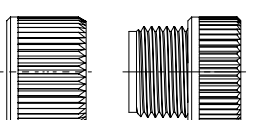
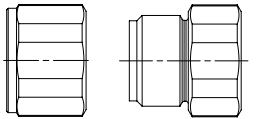
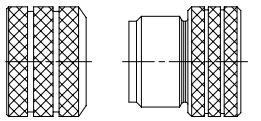
Units:  
M=Meter  
C=Centimeter

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

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

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

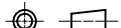
H= 2 pcs. of I/D Carrier PVC Transparent



## CABLE INFORMATION (for more information see Cable Data Sheet).

| CABLE TYPE | NO. OF WIRES  | CROSS SECTION | CABLE JACKET    | UL             | CSA                      | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN                                          | SHIELD |
|------------|---------------|---------------|-----------------|----------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------------------------|--------|
| E02        | 3 / 4 / 5 / 8 | 0.25mm²       | PVC BLACK       | UL 2464/1729   | C22.2 I/II A/B 80°C/300V | -30°C to +80°C, 10xO.D.        | -10°C to +80°C, 15xO.D.         | -                                                   | -      |
| E03        | 3 / 4 / 5     | 0.34mm²       | PVC BLACK       | UL 2464/1729   | C22.2 I/II A/B 80°C/300V | -30°C to +80°C, 10xO.D.        | -10°C to +80°C, 15xO.D.         | -                                                   | -      |
| H08        | 3 / 4 / 5 / 8 | 0.25mm²       | PUR BLACK LS0H  | UL 21198/10493 | C22.2 I/II A/B 80°C/300V | -40°C to +80°C, 5xO.D.         | -25°C to +80°C, 10xO.D.         | 2 000 000 cycles at 20°C, Temp. range +5°C to +60°C | -      |
| H09        | 3 / 4 / 5     | 0.34mm²       | PUR BLACK LS0H  | UL 21198/10493 | C22.2 I/II A/B 80°C/300V | -40°C to +80°C, 5xO.D.         | -25°C to +80°C, 10xO.D.         | 2 000 000 cycles at 20°C, Temp. range +5°C to +60°C | -      |
| P02        | 3 / 4 / 5 / 8 | 0.25mm²       | PUR / PVC BLACK | -              | -                        | -30°C to +80°C, 7xO.D.         | -5°C to +80°C, 15xO.D.          | -                                                   | -      |
| P03        | 3 / 4 / 5     | 0.34mm²       | PUR / PVC BLACK | -              | -                        | -30°C to +80°C, 7xO.D.         | -5°C to +80°C, 15xO.D.          | -                                                   | -      |

| CABLE LENGTH TOLERANCES |                          |                        |
|-------------------------|--------------------------|------------------------|
| OVER [mm]               | UP TO AND INCLUDING [mm] | TOLERANCES [mm]        |
| 0                       | 305                      | +19                    |
| 305                     | 915                      | +45                    |
| 915                     | 1830                     | +56                    |
| 1830                    | 3660                     | +89                    |
| 3660                    | 7320                     | +165                   |
| 7320                    | 14640                    | +317                   |
| 14640                   | 30500                    | +610                   |
| 30500                   | >                        | +2% OF FINISHED LENGTH |

|                                                      |                                                                                                                                               |  |        |                                                                                       |                                                        |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|---------------------------------------------------------------------------------------|--------------------------------------------------------|--|--|------------|-----------------------------------|--------|----------|-----------------|----------|----------------|----------|--------------|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |                                                                                       |                                                        |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      | DIMENSION UNITS                                                                                                                               |  | SCALE  |                                                                                       | CURRENT REV DESC: NEW P/N'S ADDED TO THE DRAWING 12335 |  |  |            | <div>molex</div>                  |        |          |                 |          |                |          |              |  |
|                                                      | mm                                                                                                                                            |  | 1:1    |                                                                                       |                                                        |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                                                                                       |                                                        |  |  |            | CSE M12 XP AC FE STR MA STR XM DE |        |          |                 |          |                |          |              |  |
| ANGULAR TOL ± 1.0 °                                  |                                                                                                                                               |  |        |                                                                                       |                                                        |  |  |            |                                   |        |          |                 |          |                |          |              |  |
| DIVISIONAL SYMBOLS                                   | 4 PLACES                                                                                                                                      |  | ±      |                                                                                       | EC NO: 769491                                          |  |  |            | PRODUCT CUSTOMER DRAWING          |        |          |                 |          |                |          |              |  |
|                                                      | 3 PLACES                                                                                                                                      |  | ±      |                                                                                       | DRWN: VHANDI 2023/10/30                                |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      | 2 PLACES                                                                                                                                      |  | ± 0.05 |                                                                                       | CHK'D: RSILLER 2023/11/21                              |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      | 1 PLACE                                                                                                                                       |  | ± 0.3  |                                                                                       | APPR: RSILLER 2023/11/21                               |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      | 0 PLACES                                                                                                                                      |  | ± 0.5  |                                                                                       | INITIAL REVISION:                                      |  |  |            |                                   |        |          |                 |          |                |          |              |  |
|                                                      |                                                                                                                                               |  |        |                                                                                       | DRWN: JMARSZALEK 2016/09/16                            |  |  |            | DOCUMENT NUMBER                   |        | DOC TYPE |                 | DOC PART |                | REVISION |              |  |
|                                                      |                                                                                                                                               |  |        | APPR: RSILLER 2016/12/08                                                              |                                                        |  |  | 1200668084 |                                   | PSD    |          | 000             |          | A17            |          |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION                                                                |                                                        |  |  | DRAWING    |                                   | SERIES |          | MATERIAL NUMBER |          | CUSTOMER       |          | SHEET NUMBER |  |
|                                                      |                                                                                                                                               |  |        |  |                                                        |  |  | A3-SIZE    |                                   | 120066 |          | SEE SHEET 3-4   |          | GENERAL MARKET |          | 2 OF 4       |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/11/21 | 12:03:28 |
|-----------------|----|--------------|------------|----------|

10

9

8

7

6

5

4

3

2

1

PART LIST

MOLEX PN

Engineering No.

Length

3P CABLE E03

1200070081

883030E03M006

0.6m

1200669153

883030E03M0101

1m

1200070083

883030E03M010

1m

1200071006

883030E03M020H

2m

1200070086

883030E03M0205

2m

1200070085

883030E03M020

2m

1200070088

883030E03M030

3m

1200668370

883030E03M040

4m

1200070092

883030E03M0505

5m

1200070091

883030E03M050

5m

1200669511

883030E03M060

6m

1200669499

883030E03M080

8m

1200070093

883030E03M100

10m

1200669500

883030E03M120

12m

1200669501

883030E03M140

14m

1200669502

883030E03M160

16m

1200669510

884030E03M160

16m

1200669503

883030E03M180

18m

1200669522

883030E03M200

20m

1200669523

883030E03M250

25m

4P CABLE E03

1200669878

884030E03M002H

0.2m

1200070470

884030E03M003

0.3m

1200669879

884030E03M004H

0.4m

1200668672

884030E03M0051

0.5m

1200665009

884030E03M005

0.5m

1200070472

884030E03M006

0.6m

1200669880

884030E03M009H

0.9m

1200668062

884030E03M010H

1m

1200070473

884030E03M010

1m

1200669881

884030E03M013H

1.3m

1200071594

884030E03M015

1.5m

1200669882

884030E03M016H

1.6m

1200071774

884030E03M020H

2m

1200071703

884030E03M0205

2m

1200070474

884030E03M020

2m

MOLEX PN

Engineering No.

Length

1200669423

884030E03M025

2.5m

1200070475

884030E03M030

3m

1200669424

884030E03M035

3.5m

1200072092

884030E03M040

4m

1200072172

884030E03M050H

5m

1200071707

884030E03M0505

5m

1200072744

884030E03M0501

5m

1200060049

884030E03M050

5m

1200071596

884030E03M060

6m

1200668786

884030E03M070

7m

1200669508

884030E03M080

8m

1200071881

884030E03M1005

10m

1200070476

884030E03M100

10m

1200072544

884030E03M120

12m

1200669509

884030E03M140

14m

1200071793

884030E03M1501

15m

1200071715

884030E03M150

15m

1200669883

884030E03M180H

18m

1200071199

884030E03M200

20m

1200668718

884030E03M250

25m

1200668719

884030E03M300

30m

1200668770

884030E03M350

35m

1200668771

884030E03M400

40m

1200669884

884030E03M800H

80m

5P CABLE E03

1200669957

885030E03M0017

0.17m

1200668972

885030E03M003

0.3m

1200071500

885030E03M005

0.5m

1200668338

885030E03M006

0.6m

1200668530

885030E03M010H

1m

1200070906

885030E03M010

1m

1200668528

885030E03M020H

2m

1200070970

885030E03M020

2m

1200668973

885030E03M025

2.5m

1200668985

885030E03M030H

3m

1200070586

885030E03M030

3m

1200072081

885030E03M035

3.5m

MOLEX PN

Engineering No.

Length

1200668981

885030E03M040H

4m

1200071948

885030E03M040

4m

1200070969

885030E03M050

5m

1200668982

885030E03M060H

6m

1200072697

885030E03M060

6m

1200668652

885030E03M070

7m

1200668980

885030E03M080H

8m

1200071583

885030E03M080

8m

1200669905

885030E03M085H

8.5m

1200669906

885030E03M090H

9m

1200668347

885030E03M100

10m

1200669907

885030E03M110H

11m

1200668674

885030E03M150

15m

1200668487

885030E03M200

20m

1200668521

885030E03M250</

[illegible]

|   |                                     |                |      |                                     |                |      |                                     |                |      |                                     |               |       |
|---|-------------------------------------|----------------|------|-------------------------------------|----------------|------|-------------------------------------|----------------|------|-------------------------------------|---------------|-------|
|   | 10                                  | 9              | 8    | 7                                   | 6              | 5    | 4                                   | 3              | 2    | 1                                   |               |       |
|   | PART LIST                           |                |      |                                     |                |      |                                     |                |      |                                     |               |       |
| F | MOLEX PN   Engineering No.   Length |                |      | MOLEX PN   Engineering No.   Length |                |      | MOLEX PN   Engineering No.   Length |                |      | MOLEX PN   Engineering No.   Length |               |       |
|   | 3P CABLE E03                        |                |      | 1200669423   884030E03M025   2.5m   |                |      | 1200668981   885030E03M040H   4m    |                |      | 4P CABLE H08                        |               |       |
|   | 1200070081                          | 883030E03M006  | 0.6m | 1200070475                          | 884030E03M030  | 3m   | 1200071948                          | 885030E03M040  | 4m   | 1200668689                          | 884030H08M030 | 3m    |
|   | 1200669153                          | 883030E03M0101 | 1m   | 1200669424                          | 884030E03M035  | 3.5m | 1200070969                          | 885030E03M050  | 5m   | 8P CABLE H08                        |               |       |
|   | 1200070083                          | 883030E03M010  | 1m   | 1200072092                          | 884030E03M040  | 4m   | 1200668982                          | 885030E03M060H | 6m   | 1200669314                          | 888030H08C250 | 0.25m |
| E | 1200071006                          | 883030E03M020H | 2m   | 1200072172                          | 884030E03M050H | 5m   | 1200072697                          | 885030E03M060  | 6m   | 1200669310                          | 888030H08M005 | 0.5m  |
|   | 1200070086                          | 883030E03M0205 | 2m   | 1200071707                          | 884030E03M0505 | 5m   | 1200668652                          | 885030E03M070  | 7m   | 1200669311                          | 888030H08M008 | 0.8m  |
|   | 1200070085                          | 883030E03M020  | 2m   | 1200072744                          | 884030E03M0501 | 5m   | 1200668980                          | 885030E03M080H | 8m   | 1200668491                          | 888030H08M010 | 1m    |
|   | 1200070088                          | 883030E03M030  | 3m   | 1200060049                          | 884030E03M050  | 5m   | 1200071583                          | 885030E03M080  | 8m   | 1200669312                          | 888030H08M012 | 1.2m  |
|   | 1200668370                          | 883030E03M040  | 4m   | 1200071596                          | 884030E03M060  | 6m   | 1200669905                          | 885030E03M085H | 8.5m | 1200669313                          | 888030H08M015 | 1.5m  |
|   | 1200070092                          | 883030E03M0505 | 5m   | 1200668786                          | 884030E03M070  | 7m   | 1200669906                          | 885030E03M090H | 9m   | 1200669117                          | 888030H08M040 | 4m    |
|   | 1200070091                          | 883030E03M050  | 5m   | 1200669508                          | 884030E03M080  | 8m   | 1200668347                          | 885030E03M100  | 10m  | 1200669212                          | 888030H08M050 | 5m    |
|   | 1200669511                          | 883030E03M060  | 6m   | 1200071881                          | 884030E03M1005 | 10m  | 1200669907                          | 885030E03M110H | 11m  | 1200669958                          | 888030H08M070 | 7.0m  |
|   | 1200669499                          | 883030E03M080  | 8m   | 1200070476                          | 884030E03M100  | 10m  | 1200668674                          | 885030E03M150  | 15m  | 1200668774                          | 888030H08M100 | 10m   |
|   | 1200070093                          | 883030E03M100  | 10m  | 1200072544                          | 884030E03M120  | 12m  | 1200668487                          | 885030E03M200  | 20m  | 1200669161                          | 888030H08M150 | 15m   |
|   | 1200669500                          | 883030E03M120  | 12m  | 1200669509                          | 884030E03M140  | 14m  | 1200668521                          | 885030E03M250  | 25m  | 1200669437                          | 888030H08M200 | 20m   |
|   | 1200669501                          | 883030E03M140  | 14m  | 1200071793                          | 884030E03M1501 | 15m  | 1200668784                          | 885030E03M300  | 30m  | 1200669955                          | 888030H08M300 | 30m   |
|   | 1200669502                          | 883030E03M160  | 16m  | 1200071715                          | 884030E03M150  | 15m  | 1200668785                          | 885030E03M350  | 35m  |                                     |               |       |
| D | 1200669510                          | 884030E03M160  | 16m  | 1200669883                          | 884030E03M180H | 18m  | 3P CABLE E02                        |                |      | 3P CABLE H09                        |               |       |
|   | 1200669503                          | 883030E03M180  | 18m  | 1200071199                          | 884030E03M200  | 20m  | 1200668662                          | 883030E02M006  | 0.6m | 1200668373                          | 883030H09M006 | 0.6m  |
|   | 1200669522                          | 883030E03M200  | 20m  | 1200668718                          | 884030E03M250  | 25m  | 1200669609                          | 883030E02M0201 | 2m   | 1200668374                          | 883030H09M010 | 1m    |
|   | 1200669523                          | 883030E03M250  | 25m  | 1200668719                          | 884030E03M300  | 30m  | 1200669561                          | 883030E02M050  | 5m   | 1200669134                          | 883030H09M015 | 1.5m  |
|   | 4P CABLE E03                        |                |      | 120066                              |                |      |                                     |                |      |                                     |               |       |

[illegible]

|   |              |   |   |                 |   |   |        |   |   |   |   |
|---|--------------|---|---|-----------------|---|---|--------|---|---|---|---|
|   | 10           | 9 | 8 | 7               | 6 | 5 | 4      | 3 | 2 | 1 |   |
|   | PART LIST    |   |   |                 |   |   |        |   |   |   |   |
| F | MOLEX PN     |   |   | Engineering No. |   |   | Length |   |   |   | F |
|   | 1200668174   |   |   | 884030H09M030   |   |   | 3m     |   |   |   |   |
|   | 1200668380   |   |   | 884030H09M040   |   |   | 4m     |   |   |   |   |
|   | 1200668244   |   |   | 884030H09M050   |   |   | 5m     |   |   |   |   |
|   | 1200668550   |   |   | 884030H09M050H  |   |   | 5m     |   |   |   |   |
|   | 1200668737   |   |   | 884030H09M055   |   |   | 5.5m   |   |   |   |   |
|   | 1200669926   |   |   | 884030H09M065H  |   |   | 6.5m   |   |   |   |   |
|   | 1200669927   |   |   | 884030H09M070H  |   |   | 7m     |   |   |   |   |
|   | 1200669931   |   |   | 884030H09M075H  |   |   | 7.5m   |   |   |   |   |
| E | 1200669932   |   |   | 884030H09M080H  |   |   | 8m     |   |   |   | E |
|   | 1200668381   |   |   | 884030H09M100   |   |   | 10m    |   |   |   |   |
|   | 5P CABLE H09 |   |   |                 |   |   |        |   |   |   |   |
|   | 1200668509   |   |   | 885030H09M006   |   |   | 0.6m   |   |   |   |   |
|   | 1200668497   |   |   | 885030H09M010   |   |   | 1m     |   |   |   |   |
|   | 1200669756   |   |   | 885030H09M015H  |   |   | 1.5m   |   |   |   |   |
|   | 1200668500   |   |   | 885030H09M020   |   |   | 2m     |   |   |   |   |
|   | 1200669762   |   |   | 885030H09M020H  |   |   | 2m     |   |   |   |   |
|   | 1200669757   |   |   | 885030H09M025H  |   |   | 2.5m   |   |   |   |   |
| D | 1200668510   |   |   | 885030H09M030   |   |   | 3m     |   |   |   | D |
|   | 1200669763   |   |   | 885030H09M030H  |   |   | 3m     |   |   |   |   |
|   | 1200668853   |   |   | 885030H09M040   |   |   | 4m     |   |   |   |   |
|   | 1200668501   |   |   | 885030H09M050   |   |   | 5m     |   |   |   |   |
|   | 1200668854   |   |   | 885030H09M060   |   |   | 6m     |   |   |   |   |
|   | 1200668502   |   |   | 885030H09M092   |   |   | 9.2m   |   |   |   |   |
|   | 1200668511   |   |   | 885030H09M100   |   |   | 10m    |   |   |   |   |
|   | 1200668683   |   |   | 885030H09M150   |   |   | 15m    |   |   |   |   |
|   | 1200668684   |   |   | 885030H09M200   |   |   | 20m    |   |   |   |   |
| C | 8P CABLE P02 |   |   |                 |   |   |        |   |   |   | C |
|   | 1200661455   |   |   | 888030P02M005   |   |   | 0      |   |   |   |   |

|   |                                     |   |   |                                     |   |   |                                     |   |   |                                     |  |  |   |
|---|-------------------------------------|---|---|-------------------------------------|---|---|-------------------------------------|---|---|-------------------------------------|--|--|---|
|   | 10                                  | 9 | 8 | 7                                   | 6 | 5 | 4                                   | 3 | 2 | 1                                   |  |  |   |
|   | PART LIST                           |   |   |                                     |   |   |                                     |   |   |                                     |  |  |   |
| F | MOLEX PN   Engineering No.   Length |   |   | MOLEX PN   Engineering No.   Length |   |   | MOLEX PN   Engineering No.   Length |   |   | MOLEX PN   Engineering No.   Length |  |  | F |
|   | 1200668174   884030H09M030   3m     |   |   | 1200660580   888030P02M020   2m     |   |   | 4P CABLE P03                        |   |   | 1200668086   885030P03M0283   2.8m  |  |  |   |
|   | 1200668380   884030H09M040   4m     |   |   | 1200668804   888030P02M020H   2m    |   |   | 1200070486   884030P03M003   0.3m   |   |   | 1200071408   885030P03M030   3m     |  |  |   |
|   | 1200668244   884030H09M050   5m     |   |   | 1200660581   888030P02M030   3m     |   |   | 1200668687   884030P03M005   0.5m   |   |   | 1200668796   885030P03M030H   3m    |  |  |   |
|   | 1200668550   884030H09M050H   5m    |   |   | 1200660582   888030P02M040   4m     |   |   | 1200070487   884030P03M006   0.6m   |   |   | 1200668163   885030P03M040   4m     |  |  |   |
|   | 1200668737   884030H09M055   5.5m   |   |   | 1200660583   888030P02M050   5m     |   |   | 1200070488   884030P03M010   1m     |   |   | 1200071049   885030P03M050   5m     |  |  |   |
|   | 1200669926   884030H09M065H   6.5m  |   |   | 1200668806   888030P02M050H   5m    |   |   | 1200072762   884030P03M0101   1m    |   |   | 1200073049   885030P03M0501   5m    |  |  |   |
| E | 1200669927   884030H09M070H   7m    |   |   | 1200660584   888030P02M060   6m     |   |   | 1200072649   884030P03M0105   1m    |   |   | 1200668797   885030P03M050H   5m    |  |  | E |
|   | 1200669931   884030H09M075H   7.5m  |   |   | 1200668352   888030P02M250   25m    |   |   | 1200060050   884030P03M015   1.5m   |   |   | 1200668088   885030P03M070   7m     |  |  |   |
|   | 1200669932   884030H09M080H   8m    |   |   | 1200669133   888030P02M3008   30m   |   |   | 1200070489   884030P03M020   2m     |   |   | 1200071284   885030P03M100   10m    |  |  |   |
|   | 1200668381   884030H09M100   10m    |   |   | 1200668810   888030P02M350H   35m   |   |   | 1200072763   884030P03M0201   2m    |   |   | 1200668798   885030P03M100H   10m   |  |  |   |
|   | 5P CABLE H09                        |   |   | 1200668544   888030P02M500   50m    |   |   | 1200668754   884030P03M020H   2m    |   |   | 1200072656   885030P03M120   12m    |  |  |   |
|   | 1200668509   885030H09M006   0.6m   |   |   |                                     |   |   | 1200060051   884030P03M030   3m     |   |   | 1200073084   885030P03M150   15m    |  |  |   |
|   | 1200668497   885030H09M010   1m     |   |   | 3P CABLE P03                        |   |   | 1200072764   884030P03M0301   3m    |   |   | 1200669111   885030P03M150H   15m   |  |  |   |
|   | 1200669756   885030H09M015H   1.5m  |   |   | 1200070102   883030P03M003   0.3m   |   |   | 1200072803   884030P03M040   4m     |   |   | 1200668238   885030P03M200   20m    |  |  |   |
|   | 1200668500   885030H09M020   2m     |   |   | 1200070104   883030P03M006   0.6m   |   |   | 1200070490   884030P03M050   5m     |   |   |                                     |  |  |   |

|   |              |                |      |                 |   |   |        |   |   |   |   |
|---|--------------|----------------|------|-----------------|---|---|--------|---|---|---|---|
|   | 10           | 9              | 8    | 7               | 6 | 5 | 4      | 3 | 2 | 1 |   |
|   | PART LIST    |                |      |                 |   |   |        |   |   |   |   |
| F | MOLEX PN     |                |      | Engineering No. |   |   | Length |   |   |   | F |
|   | 1200668174   |                |      | 884030H09M030   |   |   | 3m     |   |   |   |   |
|   | 1200668380   |                |      | 884030H09M040   |   |   | 4m     |   |   |   |   |
|   | 1200668244   |                |      | 884030H09M050   |   |   | 5m     |   |   |   |   |
|   | 1200668550   |                |      | 884030H09M050H  |   |   | 5m     |   |   |   |   |
|   | 1200668737   |                |      | 884030H09M055   |   |   | 5.5m   |   |   |   |   |
|   | 1200669926   |                |      | 884030H09M065H  |   |   | 6.5m   |   |   |   |   |
|   | 1200669927   |                |      | 884030H09M070H  |   |   | 7m     |   |   |   |   |
|   | 1200669931   |                |      | 884030H09M075H  |   |   | 7.5m   |   |   |   |   |
| E | 1200669932   |                |      | 884030H09M080H  |   |   | 8m     |   |   |   | E |
|   | 1200668381   |                |      | 884030H09M100   |   |   | 10m    |   |   |   |   |
|   | 5P CABLE H09 |                |      |                 |   |   |        |   |   |   |   |
|   | 1200668509   | 885030H09M006  | 0.6m |                 |   |   |        |   |   |   |   |
|   | 1200668497   | 885030H09M010  | 1m   |                 |   |   |        |   |   |   |   |
|   | 1200669756   | 885030H09M015H | 1.5m |                 |   |   |        |   |   |   |   |
|   | 1200668500   | 885030H09M020  | 2m   |                 |   |   |        |   |   |   |   |
|   | 1200669762   | 885030H09M020H | 2m   |                 |   |   |        |   |   |   |   |
|   | 1200669757   | 885030H09M025H | 2.5m |                 |   |   |        |   |   |   |   |
| D | 1200668510   | 885030H09M030  | 3m   |                 |   |   |        |   |   |   | D |
|   | 1200669763   | 885030H09M030H | 3m   |                 |   |   |        |   |   |   |   |
|   | 1200668853   | 885030H09M040  | 4m   |                 |   |   |        |   |   |   |   |
|   | 1200668501   | 885030H09M050  | 5m   |                 |   |   |        |   |   |   |   |
|   | 1200668854   | 885030H09M060  | 6m   |                 |   |   |        |   |   |   |   |
|   | 1200668502   | 885030H09M092  | 9.2m |                 |   |   |        |   |   |   |   |
|   | 1200668511   | 885030H09M100  | 10m  |                 |   |   |        |   |   |   |   |
|   | 1200668683   | 885030H09M150  | 15m  |                 |   |   |        |   |   |   |   |
|   | 1200668684   | 885030H09M200  | 20m  |                 |   |   |        |   |   |   |   |
| C | 8P CABLE P02 |                |      |                 |   |   |        |   |   |   | C |
|   | 1200661455   | 888030P02M005  | 0.5m |                 |   |   |        |   |   |   |   |
|   | 1200660579   | 888030P02M010  | 1m   |                 |   |   |        |   |   |   |   |
|   | 1200668803   | 888030P02M010H | 1m   |                 |   |   |        |   |   |   |   |
|   | 1200660585   | 888030P02M100  | 10m  |                 |   |   |        |   |   |   |   |
|   | 1200668807   | 888030P02M100H | 10m  |                 |   |   |        |   |   |   |   |
|   | 1200669353   | 888030P02M130  | 13m  |                 |   |   |        |   |   |   |   |
|   | 1200660586   | 888030P02M150  | 15m  |                 |   |   |        |   |   |   |   |
| B | 1200668808   | 888030P02M150H | 15m  |                 |   |   |        |   |   |   | B |
|   | 1200668327   | 888030P02M200  | 20m  |                 |   |   |        |   |   |   |   |
|   | 1200668809   | 888030P02M200H | 20m  |                 |   |   |        |   |   |   |   |
|   | MOLEX PN     |                |      | Engineering No. |   |   | Length |   |   |   |   |

10

9

8

7

6

5

4

3

2

1

<

E

D

C

B

A

E

D

C

B

A

6

5

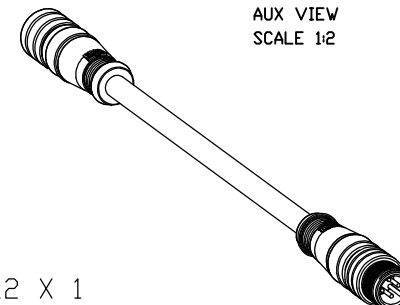
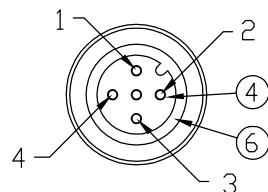
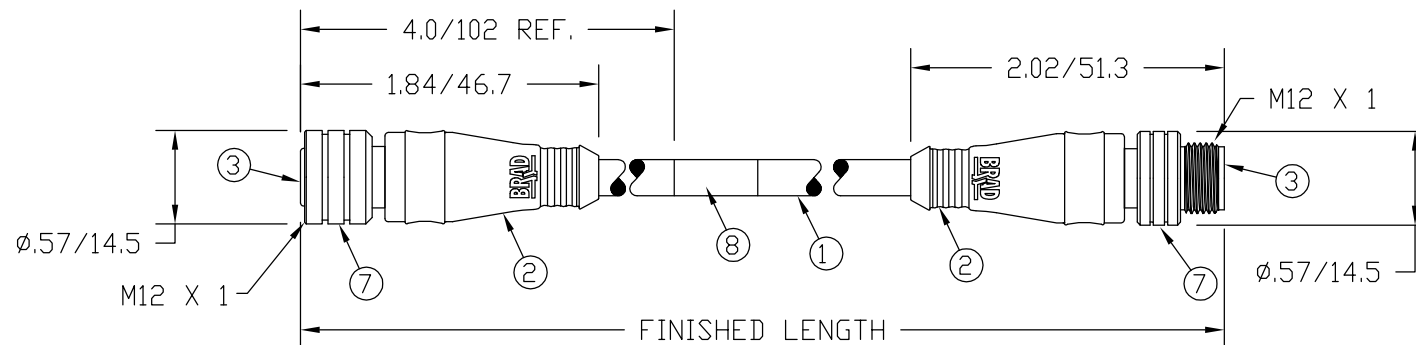
4

3

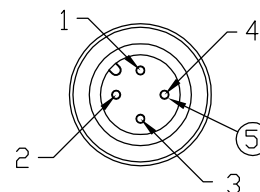
2

1

| MATERIAL NUMBER | ENGINEERING NUMBER | FINISHED LENGTH                   |
|-----------------|--------------------|-----------------------------------|
| 120007-0487     | 884030P03M006      | .6M +44.5 -0 [1.97' +1.75' -0]    |
| 120007-0488     | 884030P03M010      | 1.0M +55.6 -0 [3.27' +2.19' -0]   |
| 120007-0489     | 884030P03M020      | 2.0M +88.9 -0 [6.56' +3.50' -0]   |
| 120006-0051     | 884030P03M030      | 3.0M +88.9 -0 [9.84' +3.50' -0]   |
| 120007-2803     | 884030P03M040      | 4.0M +165.1 -0 [13.12' +6.50' -0] |
| 120007-0490     | 884030P03M050      | 5.0M +165.1 -0 [16.40' +6.50' -0] |

AUX VIEW  
SCALE 1:2

FEMALE FACE VIEW



MALE FACE VIEW

|   |       |   |
|---|-------|---|
| 1 | BROWN | 1 |
| 2 | WHITE | 2 |
| 3 | BLUE  | 3 |
| 4 | BLACK | 4 |

WIRING DIAGRAM

## NOTES:

- 1) MATERIALS: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #22/4 PUR
- 4) ELECTRICAL DATA:  
MAX. VOLTAGE: 250 VAC/VDC  
MAX. CURRENT: 4 AMPS
- 5) ENVIRONMENTAL:  
PROTECTION: IP67  
TEMPERATURE RANGE: -20°C TO 80°C
- 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,  
VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.

| ITEM | QTY. | DESCRIPTION    | MATERIAL     | FINISH           |
|------|------|----------------|--------------|------------------|
| 8    | 1    | LABEL          | MYLAR        | BLACK/YELLOW     |
| 7    | 2    | COUPLER        | BRASS        | NICKEL PLATED    |
| 6    | 1    | O-RING         | VITON        | RED              |
| 5    | 4    | PIN CONTACT    | COPPER ALLOY | GOLD OVER NICKEL |
| 4    | 4    | SOCKET CONTACT | COPPER ALLOY | GOLD OVER NICKEL |
| 3    | 2    | INSERT         | PUR          | BLACK            |
| 2    | 2    | OVERMOLD       | PUR          | YELLOW           |
| 1    | 1    | #22/4 CABLE    | PUR JACKET   | BLACK            |

|                  |                      |            |
|------------------|----------------------|------------|
| RELEASED DRAWING | EC NO.: WEL2010-0054 | 8/14/09    |
|                  | DRWN: BWOODMAN       |            |
|                  | CHKD: BWOODMAN       | 09/07/29   |
|                  | APPR: JFMURPHY       | 2009/08/21 |
| A                | REV                  |            |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                |      |      |
|------------------------------------------------------|------|------|
|                                                      | mm   | INCH |
| 4 PLACES                                             | ±--- | ±--- |
| 3 PLACES                                             | ±--- | ±--- |
| 2 PLACES                                             | ±--- | ±.01 |
| 1 PLACE                                              | ±0.3 | ±--- |
| ANGULAR ±---°                                        |      |      |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |      |      |

| DIMENSION STYLE |            |
|-----------------|------------|
| IN/MM           |            |
| DRAWN BY        | DATE       |
| BWOODMAN        | 2009/08/14 |
| CHECKED BY      | DATE       |
| VOU             | 2009/08/14 |
| APPROVED BY     | DATE       |
| ---             | ---        |
| MATERIAL NO.    | SEE TABLE  |
| SIZE            | A          |

|                                                                                                      |                      |                                                                                       |                           |
|------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|---------------------------|
| SCALE<br>1:1                                                                                         | DESIGN UNITS<br>INCH |  | THIRD ANGLE<br>PROJECTION |
| TITLE                                                                                                |                      |                                                                                       |                           |
| MICRO-CHANGE CORDSET<br>4P MA/FE SINGLE KEY<br>#22/4 BLACK PUR CABLE                                 |                      |                                                                                       |                           |
| MOLEX INCORPORATED                                                                                   |                      |                                                                                       |                           |
| DOCUMENT NO.                                                                                         |                      |                                                                                       | SHEET NO.                 |
| SD-120007-001                                                                                        |                      |                                                                                       | 1 OF 1                    |
| CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>O SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                                                                                       |                           |

6

5

4

3

2

1