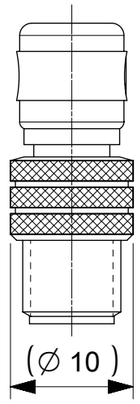
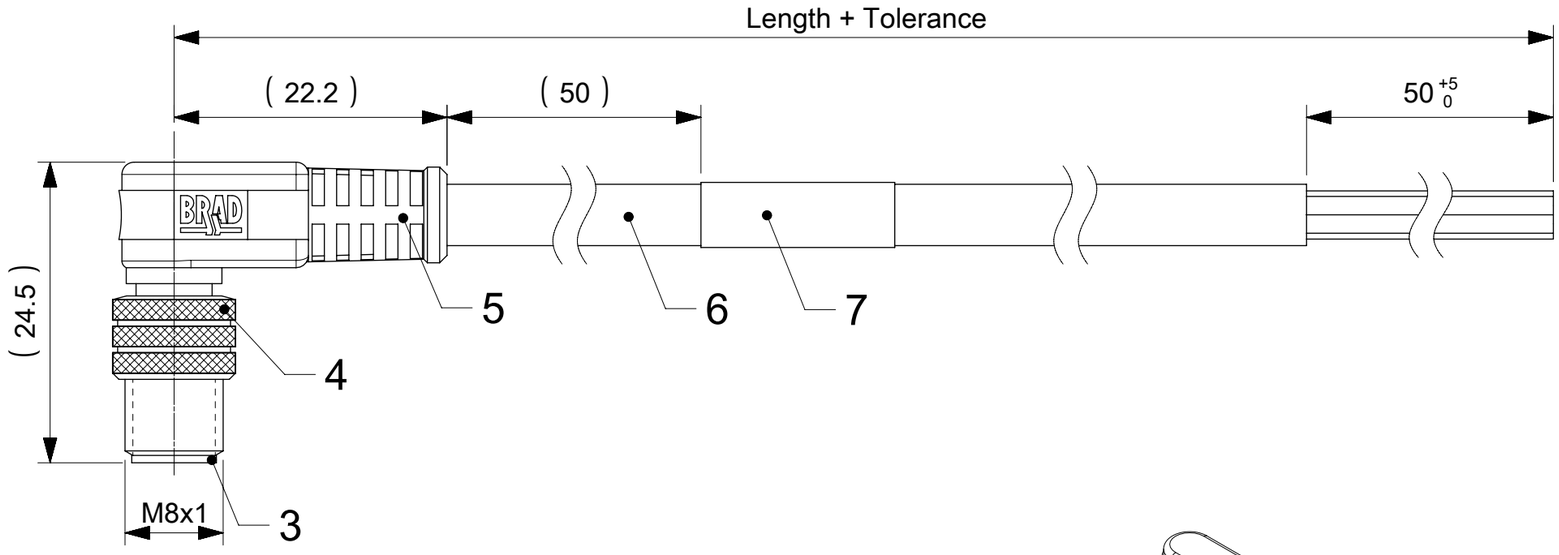
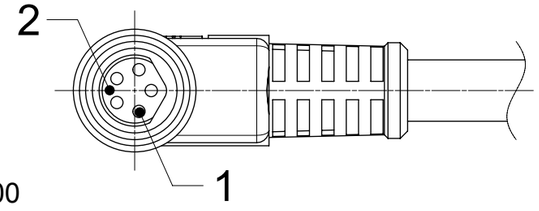
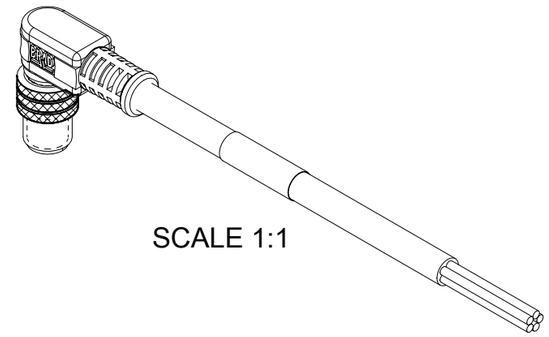
# MALE PLUG M8 90° ANGLED



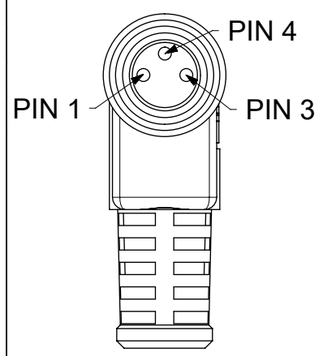
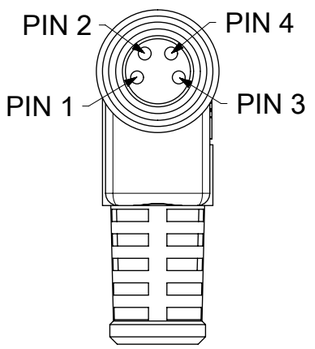
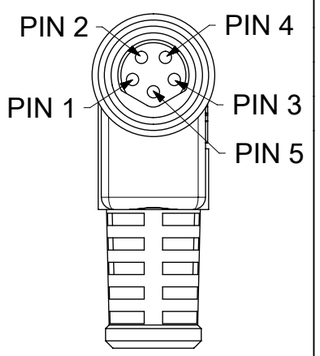




SCALE 1:1

NOTES:

RATED VOLTAGE: 3 contacts 60V AC/DC
4 and 5 contacts 30V AC/DC
CURRENT RATING: 3, 4, 5 contacts 3A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C
PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

## CONTACT POSITION FRONT VIEW:

| 3 POLES | 4 POLES | 5 POLES |
|---|---|---|
|  |  |  |







| PIN | WIRE | PIN | WIRE | PIN | WIRE |
|---|---|---|---|---|---|
| 1 | BROWN | 1 | BROWN | 1 | BROWN |
| 3 | BLUE | 2 | WHITE | 2 | WHITE |
| 4 | BLACK | 3 | BLUE | 3 | BLUE |
| | | 4 | BLACK | 4 | BLACK |
| | | | | 5 | GREY |

CODING ACCORDING TO IEC 61076-2-104

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

| ITEM | QTY. | DESCRIPTION | MATERIAL | FINISH |
|---|---|---|---|---|
| 7 | 1 | LABEL OR PRINTING | VINYL / --- | --- |
| 6 | - | CABLE | SEE SHEET 2 | --- |
| 5 | - | OVERMOULDING BLACK | TPU | --- |
| 4 | 1 | COUPLING NUT M8 MALE | BRASS | NICKEL |
| 3 | 1 | SLEEVE | BRASS | NICKEL |
| 2 | 1 | INSERT MALE BLACK | TPU | --- |
| 1 | 3 / 4 / 5 | CONTACT M8 MALE | BRASS | SELECTIVE Au OVER Ni |

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.05 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | 0.5 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PACKAGING SPEC ADDED
EC NO: 770174
DRWN: RSCHIEBER 2023/10/25
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30
INITIAL REVISION:
DRWN: JMARSZALEK 2016/09/05
APPR: RSILLER 2016/09/09

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120086

molex

CSE M8 XP AC BC RA PVC XM SE

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1200868083 | PSD | 000 | A2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE PART LIST | GENERAL MARKET | 1 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/11/30 13:30:54 |
|---|---|---|---|

FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01

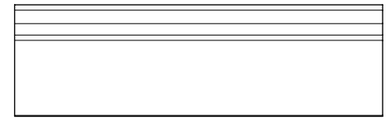
# ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

| 4 | 0 | X | 0 | 0 | 7 | X | X | X | X | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

- 40=Nano-Change M8x1 Single ended
- Poles: 3=3 Poles 4=4 Poles 5=5 Poles
- Heads style: 007=Plug Male Angled
- Cable type: See Table
- Units: M=Meter C=Centimeter T=10x Meter
- Length Examples: 005=0.5 units 010=1 units 020=2 units 050=5 units 100=10 units 150=15 units 200=20 units
- Overmold color: Blank (Standard)=Black A=Grey / G=Black / Y=Yellow
  H= 2 pcs. of I/D Carrier PVC Transparent (Cables Ixx & P82 always with 2 pcs. of I/D Carrier)





# 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 | 0.25mm² | PVC BLACK | UL 2464/1729 | C22.2 I/II A/B 80°/300V | -30°C to +80°C, 10xO.D. | -10°C to +80°C, 15xO.D. | - | - |
| H08 | 3 / 4 / 5 | 0.25mm² | PUR BLACK LS0H | UL 21198/10493 | C22.2 I/II A/B 80°/300V | -40°C to +80°C, 5xO.D. | -25°C to +80°C, 10xO.D. | 2 000 000 cycles, Temp max 60°C | - |
| I02 | 3 / 4 | 0.25mm² | PVC CEI GREY | - | - | -30°C to +70°C | -5°C to +70°C | - | - |
| P02 | 3 / 4 / 5 | 0.25mm² | PUR / PVC BLACK | - | - | -30°C to +80°C, 7xO.D. | -5°C to +80°C, 15xO.D. | - | - |

# CABLE LENGTH TOLERANCES

| OVER | UP TO AND INCLUDING | TOLERANCES |
|---|---|---|
| 0 | 305mm | +19mm |
| 305mm | 915mm | +45mm |
| 915mm | 1830mm | +56mm |
| 1830mm | 3660mm | +89mm |
| 3660mm | 7320mm | +165mm |
| 7320mm | 14640mm | +317mm |
| 14640mm | 30500mm | +610mm |
| 30500mm | > | +2% of finished length |

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

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FB = 0

DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 2:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.05 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | 0.5 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PACKAGING SPEC ADDED

EC NO: 770174
DRWN: RSCHIEBER 2023/10/25
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30

INITIAL REVISION:
DRWN: JMARSZALEK 2016/09/05
APPR: RSILLER 2016/09/09

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120086

molex

CSE M8 XP AC BC RA PVC XM SE

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1200868083 | PSD | 000 | A2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE PART LIST | GENERAL MARKET | 2 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/11/30 13:30:54 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

PART LIST

| No. | Part No. | Engineering No. | Cable Length |
|---|---|---|---|
| 1 | 1200270106 | 403007E02M020 | 2m |
| 2 | 1200270483 | 404007E02M020 | 2m |
| 3 | 1200270811 | 405007P02M005 | 0.5m |
| 4 | 1200271131 | 404007P02M050 | 5m |
| 5 | 1200868061 | 405007P02M020 | 2m |
| 6 | 1200868083 | 405007E02M020 | 2m |
| 7 | 1200868176 | 405007E02M050 | 5m |
| 8 | 1200868177 | 405007E02M100 | 10m |
| 9 | 1200868323 | 403007E02M010 | 1m |
| 10 | 1200868324 | 403007E02M050 | 5m |
| 11 | 1200868325 | 403007E02M100 | 10m |
| 12 | 1200868326 | 403007I02M003 | 0.3m |
| 13 | 1200868327 | 403007I02M010 | 1m |
| 14 | 1200868328 | 403007I02M020 | 2m |
| 15 | 1200868329 | 403007P02M020 | 2m |
| 16 | 1200868330 | 403007P02M050 | 5m |
| 17 | 1200868331 | 403007P02M100 | 10m |
| 18 | 1200868332 | 403007P02M150 | 15m |
| 19 | 1200868333 | 403007P02M200 | 20m |
| 20 | 1200868378 | 404007E02M050 | 5m |
| 21 | 1200868379 | 404007E02M100 | 10m |
| 22 | 1200868380 | 404007I02M020 | 2m |
| 23 | 1200868381 | 404007P02M010G | 1m |
| 24 | 1200868382 | 404007P02M020 | 2m |
| 25 | 1200868393 | 403007H08M020 | 2m |
| 26 | 1200868394 | 404007H08M020 | 2m |
| 27 | 1200868398 | 405007H08M020 | 2m |
| 28 | 1200868489 | 404007E02M010 | 1m |
| 29 | 1200868490 | 403007H08M010 | 1m |
| 30 | 1200868491 | 403007H08M050 | 5m |
| 31 | 1200868492 | 403007H08M100 | 10m |
| 32 | 1200868493 | 404007H08M010 | 1m |
| 33 | 1200868494 | 404007H08M050 | 5m |
| 34 | 1200868495 | 404007H08M100 | 10m |
| 35 | 1200868528 | 403007P02M010 | 1m |

| No. | Part No. | Engineering No. | Cable Length |
|---|---|---|---|
| 36 | 1200868542 | 404007P02M010 | 1m |
| 37 | 1200868543 | 404007P02M100 | 10m |
| 38 | 1200868808 | 403007E02M200 | 20m |
| 39 | 1200868850 | 405007H08M010 | 1m |
| 40 | 1200868851 | 405007H08M050 | 5m |
| 41 | 1200868852 | 405007H08M100 | 10m |
| 42 | 1200868858 | 405007E02M010 | 1m |
| 43 | | | |
| 44 | | | |
| 45 | | | |
| 46 | | | |
| 47 | | | |
| 48 | | | |
| 49 | | | |
| 50 | | | |
| 51 | | | |
| 52 | | | |
| 53 | | | |
| 54 | | | |
| 55 | | | |
| 56 | | | |
| 57 | | | |
| 58 | | | |
| 59 | | | |
| 60 | | | |
| 61 | | | |
| 62 | | | |
| 63 | | | |
| 64 | | | |
| 65 | | | |
| 66 | | | |
| 67 | | | |
| 68 | | | |
| 69 | | | |
| 70 | | | |

| No. | Part No. | Engineering No. | Cable Length |
|---|---|---|---|
| 71 | | | |
| 72 | | | |
| 73 | | | |
| 74 | | | |
| 75 | | | |
| 76 | | | |
| 77 | | | |
| 78 | | | |
| 79 | | | |
| 80 | | | |
| 81 | | | |
| 82 | | | |
| 83 | | | |
| 84 | | | |
| 85 | | | |
| 86 | | | |
| 87 | | | |
| 88 | | | |
| 89 | | | |
| 90 | | | |
| 91 | | | |
| 92 | | | |
| 93 | | | |
| 94 | | | |
| 95 | | | |
| 96 | | | |
| 97 | | | |
| 98 | | | |
| 99 | | | |
| 100 | | | |
| 101 | | | |
| 102 | | | |
| 103 | | | |
| 104 | | | |
| 105 | | | |

| No. | Part No. | Engineering No. | Cable Length |
|---|---|---|---|
| 106 | | | |
| 107 | | | |
| 108 | | | |
| 109 | | | |
| 110 | | | |
| 111 | | | |
| 112 | | | |
| 113 | | | |
| 114 | | | |
| 115 | | | |
| 116 | | | |
| 117 | | | |
| 118 | | | |
| 119 | | | |
| 120 | | | |
| 121 | | | |
| 122 | | | |
| 123 | | | |
| 124 | | | |
| 125 | | | |
| 126 | | | |
| 127 | | | |
| 128 | | | |
| 129 | | | |
| 130 | | | |
| 131 | | | |
| 132 | | | |
| 133 | | | |
| 134 | | | |
| 135 | | | |
| 136 | | | |
| 137 | | | |
| 138 | | | |
| 139 | | | |
| 140 | | | |

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 1:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 1.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.05 |
| 1 PLACE | ± 0.3 |
| 0 PLACES | ± 0.5 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PACKAGING SPEC ADDED

EC NO: 770174
DRWN: RSCHIEBER 2023/10/25
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30

INITIAL REVISION:
DRWN: JMARSZALEK 2016/09/05
APPR: RSILLER 2016/09/09

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120086

molex

CSE M8 XP AC BC RA PVC XM SE

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1200868083 | PSD | 000 | A2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE PART LIST | GENERAL MARKET | 3 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/11/30 13:30:54 |
|---|---|---|---|

FORMAT: master-ib-prod-A3
REVISION: J1
DATE: 2021/05/01

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## molex:

347928042 528061110 528520870 0477256010 503988100 502584-1060 502585-0370 0194360214
0351510214 0464363133 34708-2028 355240920 459850483 194270031 194290026 197054301
347910140 357470310 464373005 5023860371 528523070 197134001 348242245 349672001
351820290 502584-0870 347072012 348268126 502380-0800 194290039