



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

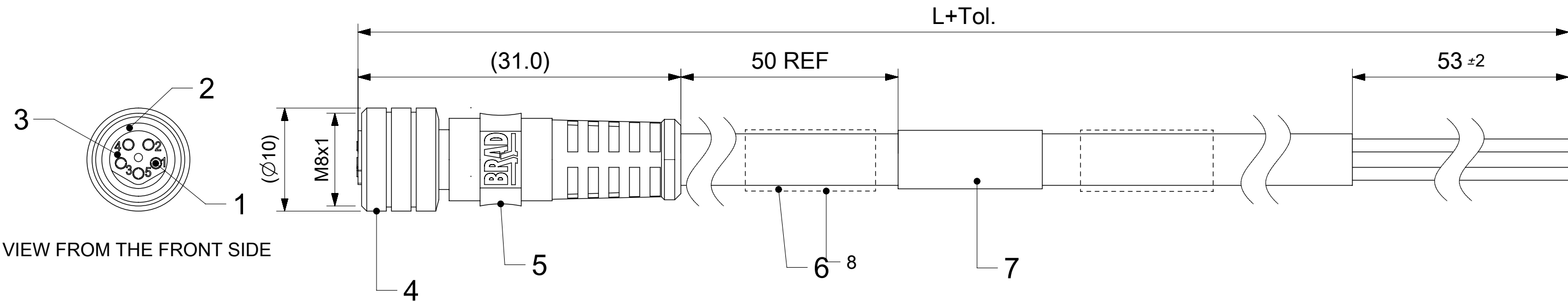
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FEMALE PLUG M8 STRAIGHT



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

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

|      |           |                          |             |                      |
|------|-----------|--------------------------|-------------|----------------------|
| 8    | 2         | I/D CARRIER (SEE MATRIX) | ---         | ---                  |
| 7    | 1         | LABEL YELLOW             | VINYL       | ---                  |
|      | -         | PRINTING FOR CABLES lxx  | ---         | ---                  |
| 6    | -         | CABLE                    | SEE SHEET 2 | ---                  |
| 5    | -         | OVERMOULDING BLACK       | TPU         | ---                  |
| 4    | 1         | COUPLING NUT M8 FEMALE   | BRASS       | NICKEL               |
| 3    | 1         | INSERT FEMALE BLACK      | TPU         | ---                  |
| 2    | 1         | O-RING RED               | FKM         | ---                  |
| 1    | 3 / 4 / 5 | CONTACT M8 FEMALE        | BRASS       | SELECTIVE Au OVER Ni |
| ITEM | QTY.      | DESCRIPTION              | MATERIAL    | FINISH               |

| CONTACTS POSITION FRONT VIEW:       |            |       |            |       |            |       |
|-------------------------------------|------------|-------|------------|-------|------------|-------|
| FEMALE                              | 3 CONTACTS |       | 4 CONTACTS |       | 5 CONTACTS |       |
|                                     |            |       |            |       |            |       |
|                                     | PIN        | WIRE  | PIN        | WIRE  | PIN        | WIRE  |
|                                     | 1          | BROWN | 1          | BROWN | 1          | BROWN |
|                                     | 3          | BLUE  | 2          | WHITE | 2          | WHITE |
| CONNECTIONS                         | 4          | BLACK | 3          | BLUE  | 3          | BLUE  |
|                                     |            |       | 4          | BLACK | 4          | BLACK |
|                                     |            |       |            |       | 5          | GREY  |
|                                     |            |       |            |       |            |       |
|                                     |            |       |            |       |            |       |
| CODING ACCORDING TO IEC 61076-2-104 |            |       |            |       |            |       |

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                       |  |                              |  |                                                                                          |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------------------------|--|------------------------------------------------------------------------------------------|--|--|--|
| SYMBOLS                                                                                                                                       |  | DIMENSION UNITS                                                                       |  | SCALE                        |  | CURRENT REV DESC:                                                                        |  |  |  |
|  = 0                                                     |  | mm                                                                                    |  | 2:1                          |  | <div>molex</div> <div>M8 SINGLE ENDED FEMALE STRAIGHT</div>                              |  |  |  |
|  = 0                                                     |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                 |  |                              |  |                                                                                          |  |  |  |
|  = 0                                                     |  |                                                                                       |  |                              |  |                                                                                          |  |  |  |
|  = 0                                                     |  | ANGULAR TOL ± °                                                                       |  | EC NO: 600840                |  | PRODUCT CUSTOMER DRAWING                                                                 |  |  |  |
|  = 0                                                     |  | 4 PLACES ±                                                                            |  | DRWN: FDAFERNER 2018/06/29   |  |                                                                                          |  |  |  |
|  = 0                                                     |  | 3 PLACES ±                                                                            |  | CHK'D: RSILLER 2018/07/05    |  |                                                                                          |  |  |  |
|  = 0                                                     |  | 2 PLACES ±                                                                            |  | APPR: RSILLER 2018/07/05     |  | DOCUMENT NUMBER<br>1200860594<br>DOC TYPE<br>PSD<br>DOC PART<br>000<br>REVISION<br>A2    |  |  |  |
|  = 0                                                     |  | 1 PLACE ±                                                                             |  | INITIAL REVISION:            |  |                                                                                          |  |  |  |
|  = 0                                                     |  | 0 PLACES ±                                                                            |  | DRWN: AKONDRACIUK 2017/02/16 |  |                                                                                          |  |  |  |
|  = 0                                                     |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                  |  | APPR: MIWASIECZKO 2017/11/16 |  | MATERIAL NUMBER<br>SEE SHEET 3-4<br>CUSTOMER<br>GENERAL MARKET<br>SHEET NUMBER<br>1 OF 4 |  |  |  |
|  = 0                                                     |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING                      |  |                                                                                          |  |  |  |
|  = 0                                                     |  |  |  | SERIES                       |  |                                                                                          |  |  |  |
|                                                                                                                                               |  |                                                                                       |  | A3-SIZE                      |  |                                                                                          |  |  |  |
|                                                                                                                                               |  |                                                                                       |  | 120086                       |  |                                                                                          |  |  |  |

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

OPTIONS

4

0

X

0

0

0

X

X

X

X

X

X

X

X

40=Nano-Change  
M8x1  
Double ended

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

Heads style:  
000=Plug Female Straight

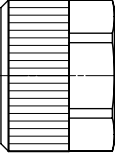
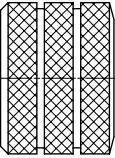
Cable type: See Table

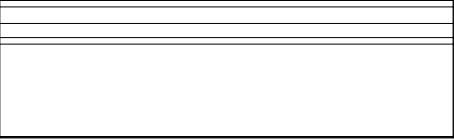
Units:  
M=Meter  
C=Centimeter

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

Overmold color:  
Blank (Standard)=Black  
A = Grey / G=Black / Y=Yellow  
  
Coupling Nut:  
Blank (Standard)=Knurled Brass Ni Plated  
9 = Knurled / Hexagonal SW9 Brass Ni Plated  
  
7 = Teflon  
  
H = 2 pcs. of I/D Carrier PVC Transparent  
(Cables lxx & P82 always with 2 pcs. of I/D Carrier)

COUPLING NUT  
FEMALE





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°C/300V | -30°C to +80°C, >10xO.D.       | -10°C to +80°C, >15xO.D.        | -                                                   | -      |
| E18        | 3 / 4        | 0.20mm²       | PVC YELLOW       | -                     | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| E51        | 4            | 0.25mm²       | PVC GREY         | -                     | -                        | -                              | -                               | -                                                   | -      |
| E52        | 3 / 4 / 8    | 0.34mm²       | PVC GREY         | -                     | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| E54        | 3            | 0.25mm²       | PVC GREY         | -                     | -                        | -25°C to +70°C                 | -5°C to +70°C                   | -                                                   | -      |
| H08        | 3 / 4 / 5    | 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 | -      |
| H69        | 4            | 0.20mm²       | PUR GRAY LS0H    | -                     | -                        | -                              | -                               | -                                                   | -      |
| 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.         | -                                                   | -      |
| P03        | 3 / 4 / 5    | 0.34mm²       | PUR / PVC BLACK  | -                     | -                        | -30°C to +80°C, >7xO.D.        | -5°C to +80°C, >15xO.D.         | -                                                   | -      |
| P18        | 4            | 0.20mm²       | PUR YELLOW       | -                     | -                        | -                              | -                               | -                                                   | -      |
| P82        | 3            | 0.34mm²       | PUR IRR ORANGE   | -                     | -                        | -50°C to +105°C, >5xO.D.       | -40°C to +105°C, >7.5xO.D.      | -                                                   | -      |
| K05        | 3 / 4 / 5    | 0.34mm²       | TPE YELLOW       | UL ITC E195601 or PLC | I/II A/B 90°C/300V       | -                              | -                               | -                                                   | -      |
| L03        | 3            | 0.34mm²       | Blend PUR ORANGE | -                     | -                        | -30°C to +90°C                 | -5°C to +90°C                   | -                                                   | -      |
| A10        | 3 / 4 / 5    | 0.25mm²       | PVC YELLOW       | UL 2661               | I/II A/B 105°C/300V      | -                              | -                               | -                                                   | -      |

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 |

SYMBOLS

= 0

= 0

= 0

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DIMENSION UNITS

SCALE

CURRENT REV DESC:

mm

2:1

EC NO: 600840  
DRWN: FDAFERNER 2018/06/29  
CHK'D: RSILLER 2018/07/05  
APPR: RSILLER 2018/07/05

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

INITIAL REVISION:

DRWN: AKONDRACIUK 2017/02/16  
APPR: MIWASIECZKO 2017/11/16

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200860594

PSD

000

A2

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE SHEET 3-4

GENERAL MARKET

2 OF 4

|           |      |            |                 |              |      |            |                 |              |      |            |                 |              |
|-----------|------|------------|-----------------|--------------|------|------------|-----------------|--------------|------|------------|-----------------|--------------|
| 10        | 9    | 8          | 7               | 6            | 5    | 4          | 3               | 2            | 1    |            |                 |              |
| PART LIST |      |            |                 |              |      |            |                 |              |      |            |                 |              |
| F         | Pos. | Part. No   | Engineering No. | Cable Length | Pos. | Part. No   | Engineering No. | Cable Length | Pos. | Part. No   | Engineering No. | Cable Length |
|           | 1    | 1200270066 | 403000E02M020   | 2m           | 36   | 1200868263 | 403000E02M003   | 0.3m         | 71   | 1200868698 | 404000E02M1509H | 15m          |
|           | 2    | 1200270067 | 403000E02M030   | 3m           | 37   | 1200868264 | 403000E02M020H  | 2m           | 72   | 1200868774 | 404000E02M060   | 6m           |
|           | 3    | 1200270068 | 403000E02M050   | 5m           | 38   | 1200868265 | 403000E02M035   | 3.5m         | 73   | 1200868776 | 404000E02M070   | 7m           |
|           | 4    | 1200270070 | 403000E02M100   | 10m          | 39   | 1200868266 | 403000E02M045   | 4.5m         | 74   | 1200271409 | 403000H08M010   | 1m           |
|           | 5    | 1200270127 | 404000E02M020   | 2m           | 40   | 1200868267 | 403000E02M0501  | 5m           | 75   | 1200271442 | 403000H08M020G  | 2m           |
|           | 6    | 1200270129 | 404000E02M050   | 5m           | 41   | 1200868268 | 403000E02M060   | 6m           | 76   | 1200868045 | 403000H08M020   | 2m           |
|           | 7    | 1200270131 | 404000E02M100   | 10m          | 42   | 1200868339 | 404000E02C200   | 2m           | 77   | 1200868053 | 404000H08M050   | 5m           |
|           | 8    | 1200270132 | 404000E02M150   | 15m          | 43   | 1200868340 | 404000E02M015   | 1.5m         | 78   | 1200868060 | 404000H08M030   | 3m           |
|           | 9    | 1200270133 | 404000E02M200   | 20m          | 44   | 1200868341 | 404000E02M0201  | 2m           | 79   | 1200868101 | 403000H08M050   | 5m           |
| E         | 10   | 1200270400 | 403000E02M010   | 1m           | 45   | 1200868342 | 404000E02M040   | 4m           | 80   | 1200868115 | 403000H08M100   | 10m          |
|           | 11   | 1200270549 | 404000E02M010   | 1m           | 46   | 1200868343 | 404000E02M0501  | 5m           | 81   | 1200868116 | 403000H08M200   | 20m          |
|           | 12   | 1200271410 | 403000E02M012   | 1.2m         | 47   | 1200868344 | 404000E02M080   | 8m           | 82   | 1200868117 | 404000H08M100   | 10m          |
|           | 13   | 1200271417 | 403000E02M006   | 0.6m         | 48   | 1200868345 | 404000E02M110   | 11m          | 83   | 1200868118 | 404000H08M200   | 20m          |
|           | 14   | 1200271418 | 403000E02M015   | 1.5m         | 49   | 1200868346 | 404000E02M170   | 17m          | 84   | 1200868122 | 403000H08M030   | 3m           |
|           | 15   | 1200271419 | 403000E02M025   | 2.5m         | 50   | 1200868347 | 404000E02M210   | 21m          | 85   | 1200868162 | 404000H08M040   | 4m           |
|           | 16   | 1200271423 | 404000E02M005   | 0.5m         | 51   | 1200868348 | 404000E02M250   | 25m          | 86   | 1200868207 | 404000H08M020   | 2m           |
|           | 17   | 1200865038 | 403000E02M250   | 25m          | 52   | 1200868423 | 403000E02M1001  | 10m          | 87   | 1200868209 | 403000H08M015   | 1.5m         |
|           | 18   | 1200868015 | 403000E02M200   | 20m          | 53   | 1200868442 | 403000E02M020Y  | 2m           | 88   | 1200868214 | 403000H08M005   | 0.5m         |
|           | 19   | 1200868067 | 404000E02M050G  | 5m           | 54   | 1200868443 | 403000E02M050Y  | 5m           | 89   | 1200868215 | 404000H08M005   | 0.5m         |
| D         | 20   | 1200868068 | 404000E02M100G  | 10m          | 55   | 1200868444 | 403000E02M100Y  | 10m          | 90   | 1200868395 | 405000H08M020   | 2m           |
|           | 21   | 1200868069 | 404000E02M200G  | 20m          | 56   | 1200868452 | 404000E02M050Y  | 5m           | 91   | 1200868404 | 405000H08M050   | 5m           |
|           | 22   | 1200868070 | 404000E02M300G  | 30m          | 57   | 1200868453 | 404000E02M100Y  | 10m          | 92   | 1200868405 | 405000H08M100   | 10m          |
|           | 23   | 1200868071 | 404000E02M400G  | 40m          | 58   | 1200868454 | 404000E02M150Y  | 15m          | 93   | 1200868468 | 403000H08M050Y  | 5m           |
|           | 24   | 1200868072 | 404000E02M500G  | 50m          | 59   | 1200868467 | 403000E02M150Y  | 15m          | 94   | 1200868469 | 403000H08M100Y  | 10m          |
|           | 25   | 1200868073 | 404000E02M700G  | 70m          | 60   | 1200868473 | 404000E02M1001  | 10m          | 95   | 1200868487 | 404000H08M010   | 1m           |
|           | 26   | 1200868074 | 404000E02M1K0G  | 100m         | 61   | 1200868508 | 404000E02M050H  | 5m           | 96   | 1200868596 | 403000H08M010Y  | 1m           |
|           | 27   | 1200868075 | 404000E02M020G  | 2m           | 62   | 1200868509 | 404000E02M100H  | 10m          | 97   | 1200868476 | 403000H09M020   | 2m           |
|           | 28   | 1200868090 | 403000E02M150   | 15m          | 63   | 1200868510 | 404000E02M150H  | 15m          | 98   | 1200860468 | 403000P03M050GQ | 5m           |
|           | 29   | 1200868099 | 405000E02M020   | 2m           | 64   | 1200868511 | 404000E02M030H  | 3m           | 99   | 1200868030 | 404000P03M200G  | 20m          |
| C         | 30   | 1200868109 | 403000E02M100G  | 10m          | 65   | 1200868518 | 404000E02C230   | 2.3m         | 100  | 1200270709 | 405000P02M020   | 2m           |
|           | 31   | 1200868114 | 404000E02M030   | 3m           | 66   | 1200868571 | 405000E02M120   | 12m          | 101  | 1200270854 | 405000P02M075G  | 7.5m         |
|           | 32   | 1200868151 | 405000E02M040   | 4m           | 67   | 1200868572 | 405000E02M030   | 3m           | 102  | 1200860475 | 405000P02M050   | 5m           |
|           | 33   | 1200868171 | 405000E02M050   | 5m           | 68   | 1200868685 | 403000E02M050H  | 5m           | 103  | 1200860594 | 405000P02M100   | 10m          |
|           | 34   | 1200868172 | 405000E02M100   | 10m          | 69   | 1200868696 | 404000E02M0509H | 5m           | 104  | 1200868001 | 403000P02M020   | 2m           |
|           | 35   | 1200868262 | 403000E02M002   | 0.2m         | 70   | 1200868697 | 404000E02M1009H | 10m          | 105  | 1200868002 | 403000P02M050   | 5m           |
|           |      |            |                 |              |      |            |                 |              |      |            |                 |              |
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| 10        | 9          | 8              | 7            | 6    | 5          | 4               | 3            | 2    | 1          |                |              |
| PART LIST |            |                |              |      |            |                 |              |      |            |                |              |
| Pos.      | Part. No   | Engineering No | Cable Length | Pos. | Part. No   | Engineering No  | Cable Length | Pos. | Part. No   | Engineering No | Cable Length |
| 141       | 1200860340 | 403000K05M050  | 5m           | 176  | 1200271180 | 403000P82M020   | 2m           | 211  | 1200868029 | 404000E18M030  | 3m           |
| 142       | 1200868431 | 403000K05M150  | 15m          | 177  | 1200271305 | 404000P82M050   | 5m           | 212  | 1200270078 | 403000E54M050A | 5m           |
| 143       | 1200270642 | 403000L03M005A | 0.5m         | 178  | 1200271450 | 404000P82M0507  | 5m           | 213  | 1200868018 | 403000E54M030A | 3m           |
| 144       | 1200270080 | 403000I02M003  | 0.3m         | 179  | 1200868183 | 403000P82M0507  | 5m           | 214  | 1200270143 | 404000E51M020A | 2m           |
| 145       | 1200270081 | 403000I02M020  | 2m           | 180  | 1200868192 | 403000P82M0207  | 2m           | 215  | 1200270145 | 404000E51M050A | 5m           |
| 146       | 1200270082 | 403000I02M030  | 3m           | 181  | 1200868212 | 403000P82M005   | 0.5m         | 216  | 1200868666 | 405000B41M100  | 10m          |
| 147       | 1200270083 | 403000I02M050  | 5m           | 182  | 1200868213 | 404000P82M005   | 0.5m         | 217  | 1200868659 | 404000B41M010  | 1m           |
| 148       | 1200270084 | 403000I02M100  | 10m          | 183  | 1200868232 | 404000P82M010   | 1m           | 218  | 1200868656 | 403000B41M020  | 2m           |
| 149       | 1200270148 | 404000I02M020  | 2m           | 184  | 1200868233 | 403000P82M010   | 1m           | 219  | 1200868657 | 403000B41M050  | 5m           |
| 150       | 1200270149 | 404000I02M050  | 5m           | 185  | 1200868420 | 403000P82M1007  | 10m          | 220  | 1200868658 | 403000B41M100  | 10m          |
| 151       | 1200270360 | 404000I02M100  | 10m          | 186  | 1200868461 | 404000P82M0207Y | 2m           | 221  | 1200860667 | 405000P02M200  | 20m          |
| 152       | 1200860041 | 404000I02M030  | 3m           | 187  | 1200868470 | 403000P82M0207Y | 2m           | 222  | 1200868849 | 405000H08M010  | 1m           |
| 153       | 1200868269 | 403000I02M005  | 0.5m         | 188  | 1200868481 | 404000P82M010Y  | 1m           | 223  | 1200868857 | 405000E02M010  | 1m           |
| 154       | 1200868270 | 403000I02M006  | 0.6m         | 189  | 1200868482 | 403000P82M010Y  | 1m           | 224  |            |                |              |
| 155       | 1200868271 | 403000I02M010  | 1m           | 190  | 1200868567 | 404000P82M0307Y | 3m           | 225  |            |                |              |
| 156       | 1200868272 | 403000I02M025  | 2.5m         | 191  | 1200868602 | 404000P82M050Y  | 5m           | 226  |            |                |              |
| 157       | 1200868273 | 403000I02M150  | 15m          | 192  | 1200270341 | 404000P18M050   | 5m           | 227  |            |                |              |
| 158       | 1200868349 | 404000I02M003  | 0.3m         | 193  | 1200270346 | 404000P18M100   | 10m          | 228  |            |                |              |
| 159       | 1200868350 | 404000I02M050G | 5m           | 194  | 1200270863 | 404000P18M005   | 0.5m         | 229  |            |                |              |
| 160       | 1200868445 | 403000I02M030Y | 3m           | 195  | 1200271449 | 403000P18M070   | 7m           | 230  |            |                |              |
| 161       | 1200868446 | 403000I02M050Y | 5m           | 196  | 1200860101 | 403000A10M015   | 1.5m         | 231  |            |                |              |
| 162       | 1200868447 | 403000I02M100Y | 10m          | 197  | 1200860102 | 403000A10M020   | 2m           | 232  |            |                |              |
| 163       | 1200868455 | 404000I02M020Y | 2m           | 198  | 1200860107 | 403000A10M050   | 5m           | 233  |            |                |              |
| 164       | 1200868456 | 404000I02M050Y | 5m           | 199  | 1200860111 | 403000A10M100   | 10m          | 234  |            |                |              |
| 165       | 1200868460 | 404000I02M100Y | 10m          | 200  | 1200860112 | 403000A10M150   | 15m          | 235  |            |                |              |
| 166       | 1200868507 | 403000I02M020Y | 2m           | 201  | 1200860144 | 404000A10M020   | 2m           | 236  |            |                |              |
| 167       | 1200868566 | 404000I02M030Y | 3m           | 202  | 1200860145 | 404000A10M030   | 3m           | 237  |            |                |              |
| 168       | 1200270147 | 404000H69M020  | 2m           | 203  | 1200860147 | 404000A10M050   | 5m           | 238  |            |                |              |
| 169       | 1200868100 | 404000H69M100  | 10m          | 204  | 1200860155 | 404000A10M100   | 10m          | 239  |            |                |              |
| 170       | 1200868184 | 404000H69M010  | 1m           | 205  | 1200860191 | 405000A10M020   | 2m           | 240  |            |                |              |
| 171       | 1200270445 | 404000H69M050  | 5m           | 206  | 1200270140 | 404000E18M050   | 5m           | 241  |            |                |              |
| 172       | 1200271440 | 403000H69M050  | 5m           | 207  | 1200270581 | 403000E18M020   | 2m           | 242  |            |                |              |
| 173       | 1200271441 | 403000H69M020  | 2m           | 208  | 1200270606 | 403000E18M100   | 10m          | 243  |            |                |              |
| 174       | 1200270032 | 403000P82M050  | 5m           | 209  | 1200868017 | 403000E18M050   | 5m           | 244  |            |                |              |
| 175       | 1200271042 | 404000P82M0207 | 2m           | 210  | 1200868028 | 404000E18M020   | 2m           | 245  |            |                |              |

DOCUMENT STATUS

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RELEASE DATE

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DIMENSION UNITS

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SCALE

1:1

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

ANGULAR TOL

±

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4 PLACES

±

3 PLACES

±

2 PLACES

±

1 PLACE

±

0 PLACES

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DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120086

CURRENT REV DESC:

EC NO: 600840

DRWN: FDAFERNER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: AKONDRACIUK

APPR: MIWASIECZKO

2018/06/29

2018/07/05

2018/07/05

2017/02/16

2017/11/16

DOCUMENT NUMBER

1200860594

DOC TYPE

PSD

DOC PART

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REVISION

A2

MATERIAL NUMBER

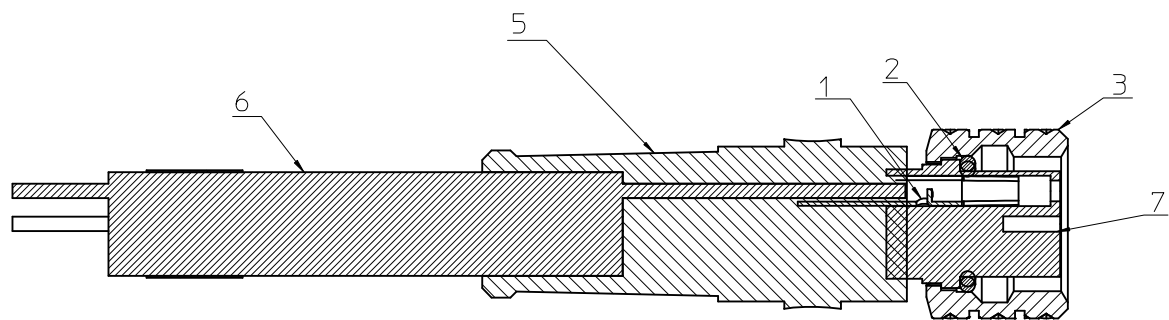
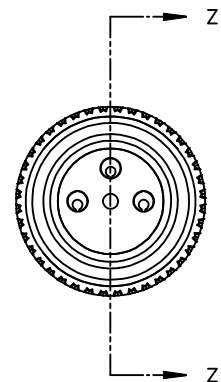
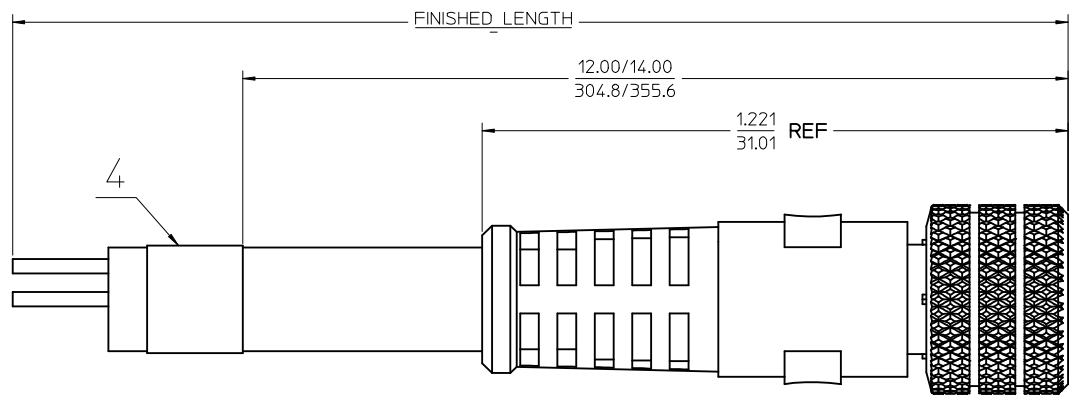
SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

4 OF 4



Section Z-Z

FEMALE INSERT FRONT VIEW

| 3 POLE                       | 4 POLE                                  | 5 POLE                                            |
|------------------------------|-----------------------------------------|---------------------------------------------------|
|                              |                                         |                                                   |
| 1 BROWN<br>3 BLUE<br>4 BLACK | 1 BROWN<br>2 WHITE<br>3 BLUE<br>4 BLACK | 1 BROWN<br>2 WHITE<br>3 BLUE<br>4 BLACK<br>5 GREY |

| ENTER DESCRIPTION                                                                                | REV |
|--------------------------------------------------------------------------------------------------|-----|
| EC NO: WNA2009-0804<br>DRAWN: NKUMAR01 2009/06/30<br>CHKD: JFMURPHY<br>APPR: JFMURPHY 2009/07/08 | A   |

| QUALITY SYMBOLS          |
|--------------------------|
| $\nabla=0$<br>$\nabla=0$ |

| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |
|------------------------------------------------------------|
| 4 PLACES $\pm$ --- $\pm$ ---                               |
| 3 PLACES $\pm$ --- $\pm$ ---                               |
| 2 PLACES $\pm$ --- $\pm$ ---                               |
| 1 PLACE $\pm$ --- $\pm$ ---                                |
| ANGULAR $\pm 1/2^\circ$                                    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |

| DIMENSION STYLE | IN/MM       |
|-----------------|-------------|
| DRAWN BY        | NKUMAR01    |
| DATE            | 30/06/09    |
| CHECKED BY      | BWOODMAN    |
| DATE            | 30/06/09    |
| APPROVED BY     | JFMURPHY    |
| DATE            | 30/06/09    |
| MATERIAL NO.    | SEE SHEET 2 |
| SIZE            | C           |

| SCALE                                                                                                                         | 5:1                              |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| DESIGN UNITS                                                                                                                  | INCH                             |
| TITLE                                                                                                                         | NC 3P FP 2M COUPLER<br>24AWG PVC |
| MOLEX INCORPORATED                                                                                                            | SD-120086-102                    |
| DOCUMENT NO.                                                                                                                  | 1 OF 2                           |
| SHEET NO.                                                                                                                     | 1 OF 2                           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                  |

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|       |                            |              |               | ASSEMBLY |        |        |
|-------|----------------------------|--------------|---------------|----------|--------|--------|
|       |                            |              |               | 3 POLE   | 4 POLE | 5 POLE |
| SL.No | DESCRIPTION                | MATERIAL     | FINISH        | QTY      |        |        |
| 1     | CONTACT SOCKET             | COPPER ALLOY | GOLD PLATED   | 3        | 4      | 5      |
| 2     | O-RING                     | VITON        | RED           | 1        | 1      | 1      |
| 3     | COUPLING NUT               | BRASS        | NICKEL PLATED |          |        |        |
| 4     | LABEL                      | PLASTIC FILM | BLACK/YELLOW  |          |        |        |
| 5     | OVER MOLD                  | TPE          | YELLOW        |          |        |        |
| 6     | CABLE, 24 AWG, 3 CONDUCTOR | PVC JACKET   | YELLOW        | 1        |        |        |
|       | CABLE, 24 AWG, 4 CONDUCTOR | PVC JACKET   | YELLOW        |          | 1      |        |
|       | CABLE, 24 AWG, 5 CONDUCTOR | PVC JACKET   | YELLOW        |          |        | 1      |
| 7     | INSERT FEMALE 3 POLE       | PUR          | BLACK         | 1        |        |        |
|       | INSERT FEMALE 4 POLE       | PUR          | BLACK         |          | 1      |        |
|       | INSERT FEMALE 5 POLE       | PUR          | BLACK         |          |        | 1      |

| PART NUMBER | DESCRIPTION   | FINISHED LENGTH                |
|-------------|---------------|--------------------------------|
| 1200860102  | 403000A10M020 | 2M +90MM -0 [6' 6" +3.5" -0]   |
| 1200860106  | 403000A10M040 | 4M +150MM -0 [13' 1" +6" -0]   |
| 1200860107  | 403000A10M050 | 5M +150MM -0 [16' 4" +6" -0]   |
| 1200860108  | 403000A10M060 | 6M +150MM -0 [19' 7" +6" -0]   |
| 1200860111  | 403000A10M100 | 10M +300MM -0 [32' 4" +12" -0] |
| 1200860144  | 404000A10M020 | 2M +90MM -0 [6' 6" +3.5" -0]   |
| 1200860146  | 404000A10M040 | 4M +150MM -0 [13' 1" +6" -0]   |
| 1200860147  | 404000A10M050 | 5M +150MM -0 [16' 4" +6" -0]   |
| 1200860148  | 404000A10M060 | 6M +150MM -0 [19' 7" +6" -0]   |
| 1200860155  | 404000A10M100 | 10M +300MM -0 [32' 4" +12" -0] |
| 1200860191  | 405000A10M020 | 2M +90MM -0 [6' 6" +3.5" -0]   |
| 1200860192  | 405000A10M040 | 4M +150MM -0 [13' 1" +6" -0]   |
| 1200860193  | 405000A10M050 | 5M +150MM -0 [16' 4" +6" -0]   |
| 1200860578  | 405000A10M060 | 6M +150MM -0 [19' 7" +6" -0]   |
| 1200860194  | 405000A10M100 | 10M +300MM -0 [32' 4" +12" -0] |

ENTER DESCRIPTION  
EC NO: WNA2009-0804  
DRAWN BY: NKUMAR01 2009/06/30  
CHKD:  
APPR: JFMURPHY 2009/07/08

REV

QUALITY SYMBOLS  
▽=0  
▽=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mmINCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± ---  
2 PLACES ± --- ± ---  
1 PLACE ± --- ± ---  
ANGULAR ±1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
IN/MM  
DRAWN BY: NKUMAR01  
DATE: 30/06/09  
CHECKED BY: BWOODMAN  
DATE: 30/06/09  
APPROVED BY: JFMURPHY  
DATE: 30/06/09  
MATERIAL NO.  
SEE CHART  
SIZE C

SCALE  
5:1  
DESIGN UNITS  
INCH  
THIRD ANGLE PROJECTION  
TITLE  
NC 3P FP 2M COUPLER  
24AWG PVC  
MOLEX INCORPORATED  
SD-120086-102  
SHEET NO.  
2 OF 2

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Rev. E 2006/04/15

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