

## Excellent Integrated System Limited

Stocking Distributor

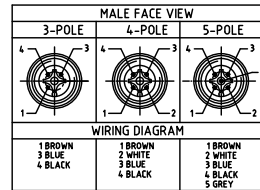
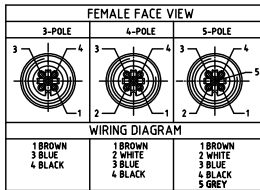
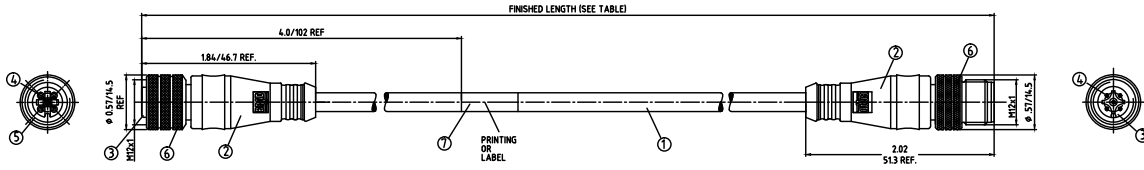
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[1200660695](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

10 9 8 7 6 5 4 3 2 1



CONNECTOR SPECIFICATION:

|                       |                |
|-----------------------|----------------|
| VOLTAGE RATING        | 250 VAC/VDC    |
| AMPERAGE RATING       | max. 4 AMPS    |
| PROTECTION            | IP67           |
| OPERATING TEMPERATURE | -20°C TO 105°C |

| ITEM | COMPONENT  | MATERIAL     | FINISH           |
|------|--|--------------|------------------|
| 7    | LABLE  | MYLAR        | BLACK/YELLOW     |
| 6    | COUPLER  | BRASS        | TEFLON           |
| 5    | O-RING   | VITON        | RED              |
| 4    | SOCKET/PIN CONTACT                                   | COPPER ALLOY | GOLD OVER NICKEL |
| 3    | INSERT   | NYLON        | BLACK            |
| 2    | OVERMOLD   | TPE          | YELLOW           |
| 1    | CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V | TPE JACKET   | YELLOW           |

| ADD PIN BRACKET/MODS<br>ECN NO: WIN0011_0420 2/15/11<br>DRAWN: TIVOLDES<br>CHKD: JIMESTAN<br>APPR: JIMESTAN 2010/01/26<br>REV: 3 | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.01</td> <td>±.0004</td> </tr> <tr> <td>3 PLACES</td> <td>±.02</td> <td>±.0008</td> </tr> <tr> <td>2 PLACES</td> <td>±.04</td> <td>±.0016</td> </tr> <tr> <td>1 PLACE</td> <td>±0.3</td> <td>±.0118</td> </tr> <tr> <td>ANGULAR</td> <td>±</td> <td>°</td> </tr> </table> |   | mm | INCH | 4 PLACES | ±.01 | ±.0004 | 3 PLACES | ±.02 | ±.0008 | 2 PLACES | ±.04 | ±.0016 | 1 PLACE | ±0.3 | ±.0118 | ANGULAR | ± | ° | DIMENSION STYLE<br>IN/MM<br>DRAWN BY: LSTEMMLE DATE: 2010/01/25<br>CHECKED BY: RE DATE: 2010/01/26<br>APPROVED BY: NSTAUDIG DATE: 2010/01/29<br>MATERIAL NO. DOCUMENT NO. | SCALE: 1:1<br>DESIGN UNITS: METRIC<br>THIRD ANGLE PROJECTION | MICRO-CHANGE CORDSET<br>3/4/5 P. FE STR/ MA STR<br>22/3-5 YELLOW TPE CABLE |
|--|---------------------|--|---|----|------|----------|------|--------|----------|------|--------|----------|------|--------|---------|------|--------|---------|---|---|---|--|--|
|  |                     | mm   | INCH  |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
|  | 4 PLACES            | ±.01   | ±.0004  |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| 3 PLACES   | ±.02                | ±.0008   |   |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| 2 PLACES   | ±.04                | ±.0016   |   |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| 1 PLACE  | ±0.3                | ±.0118   |   |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| ANGULAR  | ±                   | °  |   |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                     | SEE TABLE<br>SIZE: A3  | MOLEX INCORPORATED<br>SD-120066-011<br>SHEET NO. 1 OF 2 |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION    |                     |  |   |    |      |          |      |        |          |      |        |          |      |        |         |      |        |         |   |   |   |  |  |

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

| POL | MATERIAL NUMBER | ENGINEERING NUMBER | FINISHED LENGTH                   |
|-----|-----------------|--------------------|-----------------------------------|
| 3   | 1200660676      | 883030K05M010      | 3.28' +2.19" -0 [1.0M +55.6 -0]   |
| 3   | 1200660680      | 883030K05M040      | 13.12' +6.50" -0 [4.0M +165.1 -0] |

| POL | MATERIAL NUMBER | ENGINEERING NUMBER | FINISHED LENGTH                      |
|-----|-----------------|--------------------|--------------------------------------|
| 4   | 1200660683      | 884030K05M003      | .3M +19.1 -0 [.98' +.75" -0]         |
| 4   | 1200660684      | 884030K05M005      | .5M +44.5 -0 [1.64' +1.75" -0]       |
| 4   | 1200660686      | 884030K05M006      | .6M +44.5 -0 [1.97' +1.75" -0]       |
| 4   | 1200660687      | 884030K05M010      | 1.0M +55.6 -0 [3.27' +2.19" -0]      |
| 4   | 1200660688      | 884030K05M015      | 1.5M +55.6 -0 [4.91' +2.19" -0]      |
| 4   | 1200660689      | 884030K05M020      | 2.0M +88.9 -0 [6.56' +3.50" -0]      |
| 4   | 1200660690      | 884030K05M030      | 3.0M +88.9 -0 [9.84' +3.50" -0]      |
| 4   | 1200660691      | 884030K05M040      | 4.0M +165.1 -0 [13.12' +6.50" -0]    |
| 4   | 1200660692      | 884030K05M050      | 5.0M +165.1 -0 [16.40' +6.50" -0]    |
| 4   | 1200660693      | 884030K05M060      | 6.0M +165.1 -0 [19.69' +6.50" -0]    |
| 4   | 1200660694      | 884030K05M080      | 8.0M +317.5 -0 [26.25' +12.50" -0]   |
| 4   | 1200660695      | 884030K05M100      | 10.0M +317.5 -0 [32.81' +12.50" -0]  |
| 4   | 1200660696      | 884030K05M120      | 12.0M +317.5 -0 [39.37' +12.50" -0]  |
| 4   | 1200660697      | 884030K05M150      | 15.0M +622.3 -0 [49.21' +24.50" -0]  |
| 4   | 1200660698      | 884030K05M180      | 18.0M +622.3 -0 [59.06' +24.50" -0]  |
| 4   | 1200660921      | 884030K05M200      | 20.0M +622.3 -0 [65.62' +24.50" -0]  |
| 4   | 1200660699      | 884030K05M230      | 23.0M +622.3 -0 [75.21' +24.50" -0]  |
| 4   | 1200660700      | 884030K05M300      | 30.0M +622.3 -0 [98.43' +24.50" -0]  |
| 4   | 1200660701      | 884030K05M610      | 61.0M +622.3 -0 [199.47' +24.50" -0] |

|  |  |  |                 |       |              |                        |
|--|--|--|-----------------|-------|--------------|------------------------|
| ADD PIN 884030K05M005<br>ECN NO: WIN02011_0420 2/15/11<br>DRAWN: TIVLOS<br>CHKD: JIMSTAN<br>APPR: JIMBREY 2010/01/26<br>REV: 3 | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED)  | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
|  |  | mm INCH  | IN/MM           | 1:1   | METRIC       |                        |
|  | 4 PLACES ± --<br>3 PLACES ± --<br>2 PLACES ± --<br>1 PLACE ± 0.3<br>ANGULAR ± -- | DRAWN BY: LSTEMMLE DATE: 2010/01/25<br>CHECKED BY: RE DATE: 2010/01/26<br>APPROVED BY: NSTAUDIG DATE: 2010/01/29<br>MATERIAL NO. SEE TABLE<br>DOCUMENT NO. SD-120066-011<br>SIZE A3<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |       |              |                        |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                             |  |                 |       |              |                        |

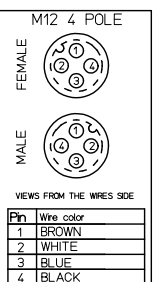
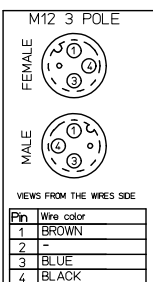
10 9 8 7 6 5 4 3 2 1

MICRO-CHANGE CORDSET  
3/4/5 P. FE STR/ MA STR  
22/3-5 YELLOW TPE CABLE

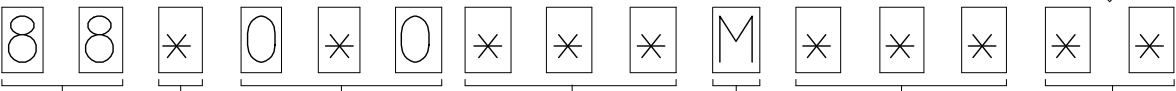
MOLEX INCORPORATED

SHEET NO.  
2 OF 2

10 9 8 7 6 5 4 3 2 1



**PART No MATRIX**



88 = M12x2 DOUBLE ENDED

Poles:  
3 = 3 POLES  
4 = 4 POLES  
5 = 5 POLES

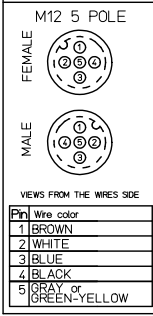
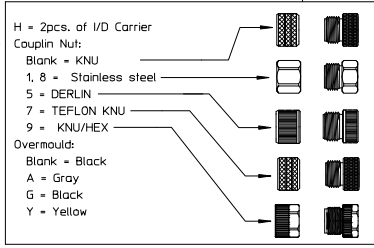
Header:  
030 = FEMALE STRAIGHT - MALE STRAIGHT  
020 = FEMALE STRAIGHT - MALE STRAIGHT WITH FEMALE NUT

Cable:  
E02 = PVC, 0.25mm<sup>2</sup>, BLACK  
E03 = PVC, 0.34mm<sup>2</sup>, BLACK  
H09 = PUR, 0.34mm<sup>2</sup>, BLACK  
H69 = PUR, 0.2mm<sup>2</sup>, GRAY  
I03 = PVC, 0.34mm<sup>2</sup>, GRAY  
I12 = PVC, 0.5mm<sup>2</sup>, GRAY  
I20 = PVC, 0.34mm<sup>2</sup>, GRAY  
I26 = PVC, 0.34mm<sup>2</sup>, GRAY, SHLD  
K03 = TPE, YELLOW  
K05 = TPE, YELLOW  
P03 = PUR, 0.34mm<sup>2</sup>, BLACK  
P04 = PUR, 0.5mm<sup>2</sup>, BLACK  
P12 = PVC, YELLOW  
P20 = PUR, 0.34mm<sup>2</sup>, BLACK  
P82 = PUR, 0.34mm<sup>2</sup>, ORANGE

Unit:  
M = meter  
F = feet  
A = inches  
C = centimeters

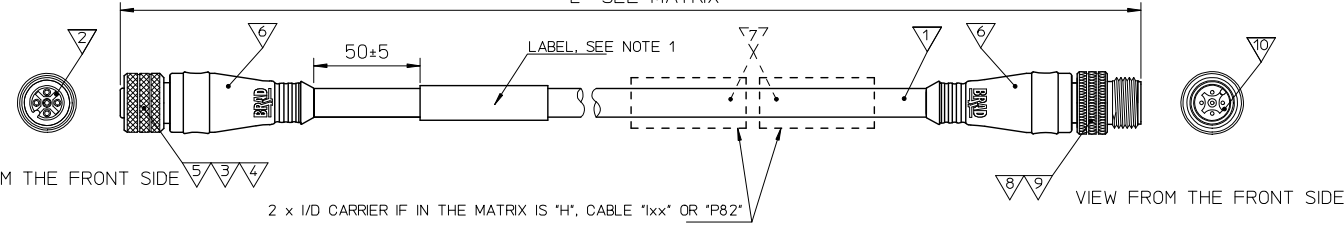
Length:  
Example:  
010 = 1  
050 = 5  
100 = 10

**OPTIONS**



**Tablica tolerancji dlugosci**  
Table of length tolerances

| Powyzej / Over | Do-wlacznice / Up to and including | Tolerancja (+) / Tolerance |
|----------------|------------------------------------|----------------------------|
| 0              | 305                                | +19                        |
| 305            | 915                                | +45                        |
| 915            | 1830                               | +56                        |
| 1830           | 3660                               | +89                        |
| 3660           | 7320                               | +165                       |
| 7320           | 14640                              | +317                       |
| 14640          | 30500                              | +610                       |
| 30500          | >                                  | +2% dlugosci / of length   |



**Bill of Materials**

| ITEM | QTY. | DESCRIPTION             | MATERIAL   | FINISH     |
|------|------|-------------------------|------------|------------|
| 10   | 1    | INSERT M12 MALE         | SEE MATRIX | SEE MATRIX |
| 9    | -    | CONTACT MALE            | SEE MATRIX | SEE MATRIX |
| 8    | 1    | COUPLING NUT MALE M12   | SEE MATRIX | SEE MATRIX |
| 7    | -    | ID CARRIER              | SEE MATRIX | SEE MATRIX |
| 6    | -    | MOLDING MATERIAL        | SEE MATRIX | SEE MATRIX |
| 5    | 1    | O-RING                  | FPM        | RED        |
| 4    | -    | CONTACT FEMALE          | SEE MATRIX | SEE MATRIX |
| 3    | 1    | COUPLING NUT FEMALE M12 | SEE MATRIX | SEE MATRIX |
| 2    | 1    | INSERT M12 FEMALE       | SEE MATRIX | SEE MATRIX |
| 1    | -    | CABLE                   | SEE MATRIX | SEE MATRIX |

**NOTES:**

1. LABEL ON THE CABLE FOR CABLES "ixx" OVERPRINT ON THE CABLE

|  |                     |   |                        |       |              |                        |
|--|---------------------|---|------------------------|-------|--------------|------------------------|
| ORIGINAL RELEASE<br>EC NO: IPG2016-0305<br>DRAWN: AKONDRAC UK 2015/08/28<br>CHK: CHFGAIK 2015/08/28<br>APPR: MIWASIECZKO 2015/09/16<br>REV DESCRIPTION | QUALITY SYMBOLS     | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE        | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
|  | ▽=0                 | 4 PLACES ± --- ± ---  | MM ONLY                | ---   | METRIC       |                        |
|  | ▽=0                 | 3 PLACES ± --- ± ---  | DRAWN BY DATE          |       |              |                        |
|  |                     | 2 PLACES ± --- ± ---  | AKONDRAC UK 2015/08/28 |       |              |                        |
|  | 1 PLACE ± --- ± --- | CHECKED BY DATE   |                        |       |              |                        |
|  | 0 PLACE ± --- ± --- | FGAIK 2015/08/28  |                        |       |              |                        |
|  |                     | APPROVED BY DATE  |                        |       |              |                        |
|  |                     | MIWASIECZKO 2015/09/16  |                        |       |              |                        |
|  |                     | MATERIAL NO.  |                        |       |              |                        |
|  |                     | SEE MATRIX  |                        |       |              |                        |
|  |                     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                        |       |              |                        |
|  |                     | SIZE  |                        |       |              |                        |
|  |                     | A3  |                        |       |              |                        |
|  |                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |       |              |                        |

9 8 7 6 5 4 3 2 1