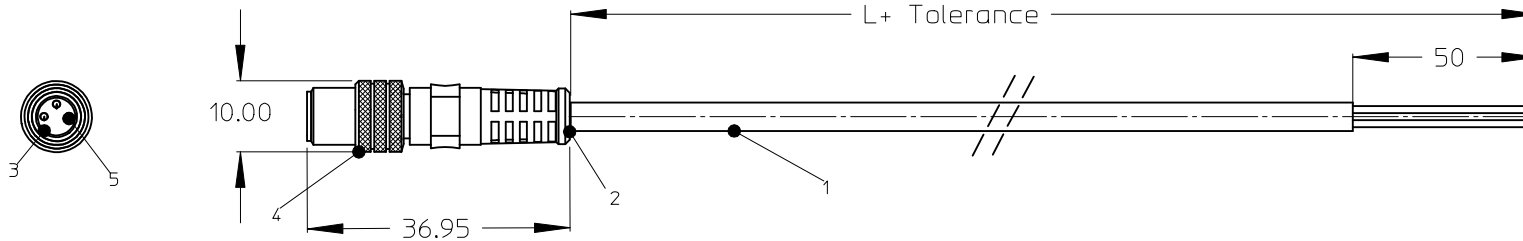


# STRAIGHT PLUG



## NOTES:

|                        |               |
|------------------------|---------------|
| Temperature Range      | -25°C/+80°C   |
| Contact Current Rating | 3A            |
| Voltage Rating         | 3 poles 60V   |
|                        | 4-5 poles 30V |
| Protection class       | IP 67         |

## Cable:

|                                    |
|------------------------------------|
| E02 = 0.25mm², PVC black           |
| H08 = 0.25mm², PUR black           |
| I02 = 0.25mm², PVC grey irradiated |
| P02 = 0.25mm², PUR/PVC black       |
| P08 = 0.25mm², PUR yellow HIFLEX   |

## Tolerance:

|            |            |
|------------|------------|
| ≤ 1 m      | +20/-10 mm |
| 1 m - 5 m  | ± 25 mm    |
| 5 m - 10 m | ± 30 mm    |
| > 10 m     | ± 30 mm    |
| > 20 m     | ± 50 mm    |
| > 30 m     | ± 60 mm    |

|      |              |              |             |
|------|--------------|--------------|-------------|
| 5    | Contact      | Copper Alloy | Gold Plated |
| 4    | Coupling Nut | Brass        | Ni Plated   |
| 3    | Insert       | PUR          | ---         |
| 2    | Overmold     | PUR          | ---         |
| 1    | Cable        | See Table    | ---         |
| ITEM | Part         | Material     | Finish      |

| 3 WIRE |       | 4 WIRE |       | 5 WIRE |       |
|--------|-------|--------|-------|--------|-------|
| 4      |       | 2      |       | 2      |       |
| 1      |       | 1      |       | 1      |       |
| 3      |       | 3      |       | 3      |       |
| Pin #. | Wire  | Pin #. | Wire  | Pin #. | Wire  |
| 1      | Brown | 1      | Brown | 1      | Brown |
| 2      | -     | 2      | White | 2      | White |
| 3      | Blue  | 3      | Blue  | 3      | Blue  |
| 4      | Black | 4      | Black | 4      | Black |
| 5      | -     |        |       | 5      | Grey  |

| ENTER DESCRIPTION   | DESCRIPTION |
|---------------------|-------------|
| EC NO: IPG2013-0564 | 2012/10/17  |
| DRWN: APOHL         | 2012/10/26  |
| CHKD:               |             |
| APPR: BURGER        |             |
| REV                 |             |
| 2                   |             |

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

| GENERAL TOLERANCES (UNLESS SPECIFIED) |       |       |
|---------------------------------------|-------|-------|
|                                       | mm    | INCH  |
| 4 PLACES                              | ± --- | ± --- |
| 3 PLACES                              | ± --- | ± --- |
| 2 PLACES                              | ± --- | ± --- |
| 1 PLACE                               | ± 0.3 | ± --- |
| ANGULAR ± 1 °                         |       |       |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

| DIMENSION STYLE |            |
|-----------------|------------|
| MM ONLY         |            |
| DRAWN BY        | DATE       |
| APOHL           | 2011/08/24 |
| CHECKED BY      | DATE       |
| REISSNER        | 2012/01/13 |
| APPROVED BY     | DATE       |
| AVOGT           | 2012/01/18 |

|              |           |
|--------------|-----------|
| MATERIAL NO. | SEE TABLE |
| SIZE         | 4         |

|                        |               |
|------------------------|---------------|
| SCALE                  | 1:1           |
| DESIGN UNITS           | METRIC        |
| THIRD ANGLE PROJECTION |               |
| TITLE                  |               |
| CSE M8 XP XC MA STR XM |               |
| SE UNSH                |               |
| NANO-CHANGE            |               |
| MOLEX INCORPORATED     |               |
| DOCUMENT NO.           | SD-120086-002 |
| SHEET NO.              | 1 OF 3        |

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## NUMERICAL CODE

(Available parts see table page 3 ff others on request.)

4

0

X

0

0

X

X

X

X

M

X

X

X

X

40 = M8x1  
single endedpoles:  
3 = 3 poles  
4 = 4 poles  
5 = 5 polesheader:  
006 = plug male straightCable:  
E02 = 0,25mm<sup>2</sup>, PVC black  
H08 = 0,25mm<sup>2</sup>, PUR black  
I02 = 0,25mm<sup>2</sup>, PVC grey irradiated  
P02 = 0,25mm<sup>2</sup>, PUR/PVC black  
P08 = 0,25mm<sup>2</sup>, PUR yellow HIFLEXM = meter  
C = Centimeterlength:  
Example  
M020 = 2 m  
C550 = 55 cm

G = Brad in black

## Special Types:

|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|-------------------|--|---------------------|--|------------|--|-------------|--|------------|--|-------|--|------------|--|---------------|--|------------|--|-----|--|
| ENTER DESCRIPTION |  | EC NO: IPG2013-0564 |  | 2012/10/17 |  | DRWN: APOHL |  | 2012/10/17 |  | CHKD: |  | 2012/10/26 |  | APPR: CBURGER |  | 2012/10/26 |  | REV |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |
|                   |  |                     |  |            |  |             |  |            |  |       |  |            |  |               |  |            |  |     |  |

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## PART LIST:

|            |                |
|------------|----------------|
| 1200868302 | 403006E02M002  |
| 1200270459 | 403006E02M003  |
| 1200868056 | 403006E02M006  |
| 1200270364 | 403006E02M010  |
| 1200868303 | 403006E02M015  |
| 1200868228 | 403006E02M020  |
| 1200868304 | 403006E02M025  |
| 1200868305 | 403006E02M030  |
| 1200271420 | 403006E02M035  |
| 1200271421 | 403006E02M040  |
| 1200868306 | 403006E02M045  |
| 1200270105 | 403006E02M050  |
| 1200271422 | 403006E02M060  |
| 1200868307 | 403006E02M100  |
| 1200868387 | 403006E02M150  |
| 1200868390 | 403006H08M020  |
| 1200868078 | 403006H08M050  |
| 1200868310 | 403006I02M003  |
| 1200868311 | 403006I02M004  |
| 1200868312 | 403006I02M006  |
| 1200868313 | 403006I02M007  |
| 1200868314 | 403006I02M010  |
| 1200868315 | 403006I02M011  |
| 1200868316 | 403006I02M014  |
| 1200868317 | 403006I02M015  |
| 1200868318 | 403006I02M020  |
| 1200868319 | 403006I02M030  |
| 1200868320 | 403006I02M050  |
| 1200868321 | 403006I02M100  |
| 1200868322 | 403006I02M150  |
| 1200271294 | 403006P02M002G |
| 1200271332 | 403006P02M003  |
| 1200271179 | 403006P02M004  |
| 1200271327 | 403006P02M005  |
| 1200271200 | 403006P02M006  |
| 1200271079 | 403006P02M010  |
| 1200270911 | 403006P02M020  |

|            |                |
|------------|----------------|
| 1200270453 | 403006P02M040  |
| 1200860474 | 403006P02M050  |
| 1200270933 | 403006P02M100  |
| 1200270513 | 403006P08M030  |
| 1200270457 | 403006P08M200  |
| 1200868161 | 404006E02M010  |
| 1200868367 | 404006E02M015  |
| 1200868368 | 404006E02M020  |
| 1200270376 | 404006E02M050  |
| 1200868369 | 404006E02M100  |
| 1200868408 | 404006H08M003  |
| 1200868409 | 404006H08M010  |
| 1200868392 | 404006H08M020  |
| 1200868227 | 404006H08M050  |
| 1200868370 | 404006I02M003  |
| 1200868371 | 404006P02M004G |
| 1200868372 | 404006P02M010  |
| 1200868373 | 404006P02M020  |
| 1200868374 | 404006P02M030G |
| 1200868375 | 404006P02M050  |
| 1200868376 | 404006P02M050G |
| 1200868377 | 404006P02M100  |
| 1200868152 | 405006E02M010  |
| 1200868173 | 405006E02M020  |
| 1200868174 | 405006E02M050  |
| 1200868175 | 405006E02M100  |
| 1200868164 | 405006E02M300  |
| 1200868165 | 405006E02M500  |
| 1200868166 | 405006E02M600  |
| 1200868397 | 405006H08M020  |
| 1200270853 | 405006P02M004G |
| 1200270588 | 405006P02M005  |
| 1200868087 | 405006P02M010  |
| 1200868182 | 405006P02M012  |
| 1200270752 | 405006P02M020  |
| 1200868031 | 405006P02M030  |
| 1200860586 | 405006P02M040  |

|            |               |
|------------|---------------|
| 1200270657 | 405006P02M050 |
| 1200860587 | 405006P02M060 |
| 1200860588 | 405006P02M100 |
| 1200270877 | 405006P02C550 |

|                                                                                                              |                               |                                                            |       |                            |                           |                                                                                                                               |                                                           |                        |  |  |
|--------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------|-------|----------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|--|--|
| ENTER DESCRIPTION<br>EC NO: IPG2013-0564<br>DRWN: APOHL<br>CHKD:<br>APPR: BURGER<br>2012/10/17<br>2012/10/26 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                           | SCALE<br>1:1                                                                                                                  | DESIGN UNITS<br>METRIC                                    | THIRD ANGLE PROJECTION |  |  |
|                                                                                                              |                               |                                                            | mm    | INCH                       | DRAWN BY<br>APOHL         | DATE<br>2011/08/24                                                                                                            | TITLE<br>CSE M8 XP XC MA STR XM<br>SE UNSH<br>NANO-CHANGE |                        |  |  |
|                                                                                                              |                               | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY<br>REISSNER    | DATE<br>2012/01/13                                                                                                            |                                                           |                        |  |  |
|                                                                                                              |                               | 3 PLACES                                                   | ± --- | ± ---                      | APPROVED BY<br>AVOGT      | DATE<br>2012/01/18                                                                                                            | MOLEX INCORPORATED                                        |                        |  |  |
|                                                                                                              |                               | 2 PLACES                                                   | ± --- | ± ---                      | MATERIAL NO.<br>SEE TABLE |                                                                                                                               |                                                           |                        |  |  |
| 1 PLACE                                                                                                      |                               | ± 0.3                                                      | ± --- | SIZE<br>A 4                |                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                           |                        |  |  |
| ANGULAR ± 1 °                                                                                                |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |                            |                           |                                                                                                                               |                                                           |                        |  |  |

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