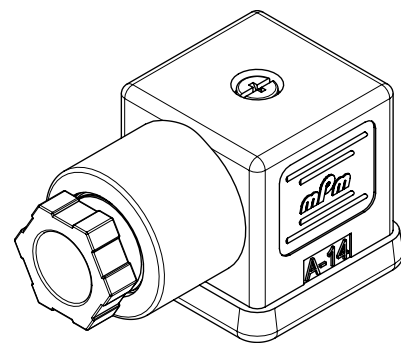




SCALE 1:1

## TECHNICAL SPECIFICATION :

MAX. CURRENT : 16.0A  
INSULATION RESISTANCE : 100Megaohms min.  
MAX. CONDUCTOR : 1.50mm<sup>2</sup>/16AWG  
MAX. VOLTAGE : 250V  
CONTACT RESISTANCE : ≤15milliohms max.

CABLE DIAMETER RANGE :  
PG6-M16 : 6.00-8.00mm  
PG11 - G1/2"-M20 : 8.00-10.0mm

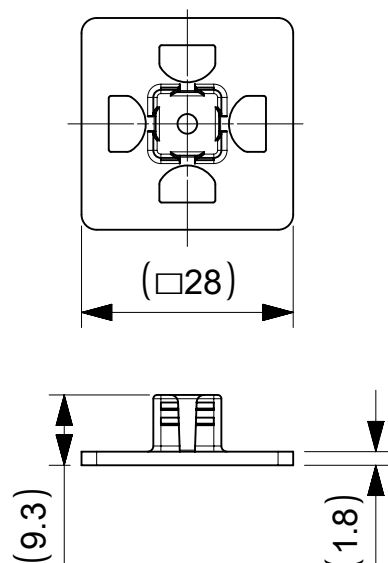
OPERATING TEMPERTURE WITH:  
NITRILE RUBBER(NBR) GASKET : -40°C TO +90°C  
SILICONE : -40°C TO +125°C

ENVIRONMENTAL : IP65  
(IP67 AVAIABLE ON REQUEST)

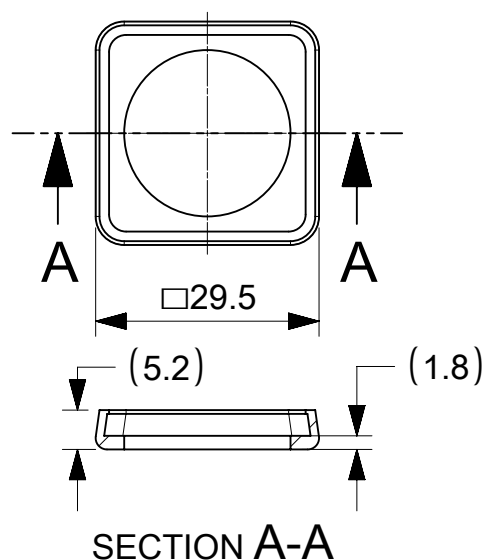
### BOM

| ITEM | DESCRIPTION     | QTY. |
|------|-----------------|------|
| 1    | SCREW           | 1    |
| 2    | COVER ASSEMBLY  | 1    |
| 3    | INSERT ASSEMBLY | 1    |
| 4    | GASKET          | 1    |

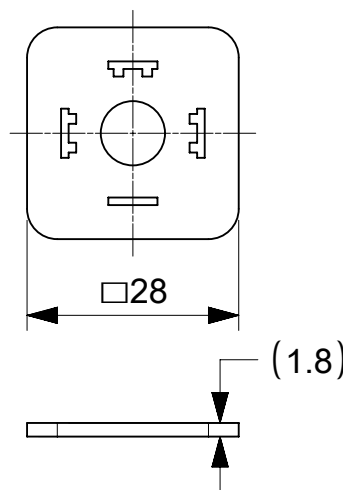
### INTEGRATED GASKET



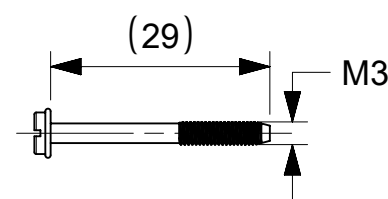
### PROFIED GASKET



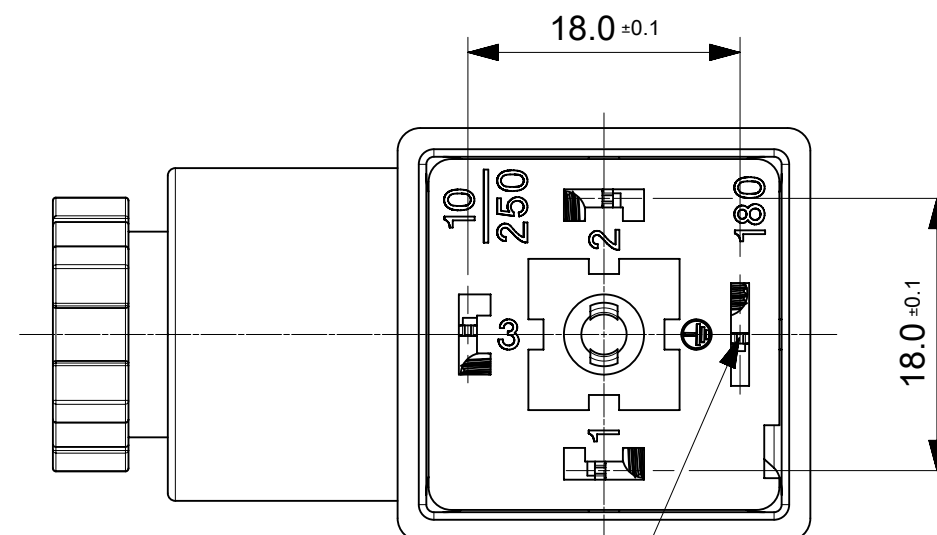
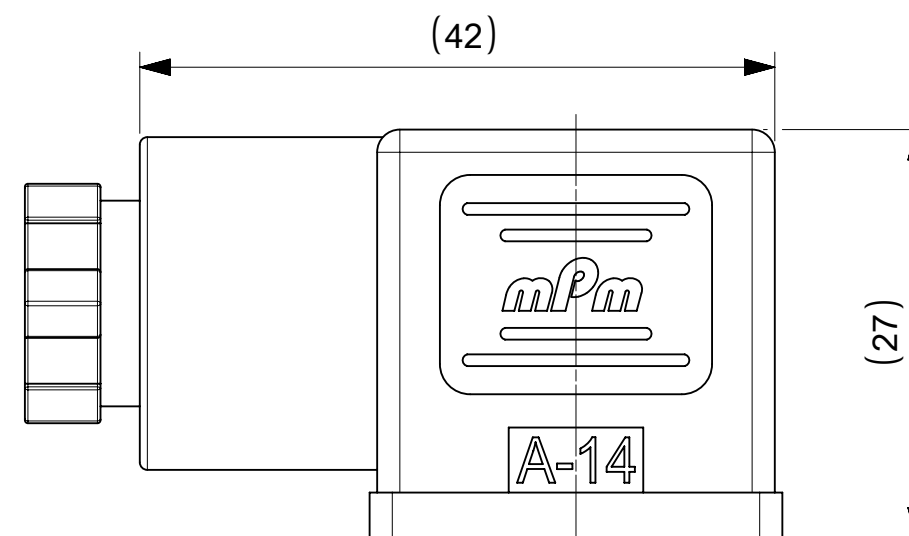
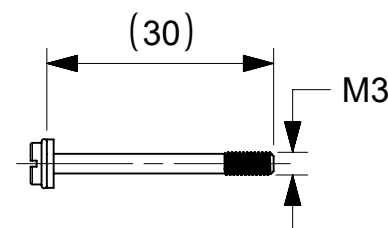
### FLAT GASKET



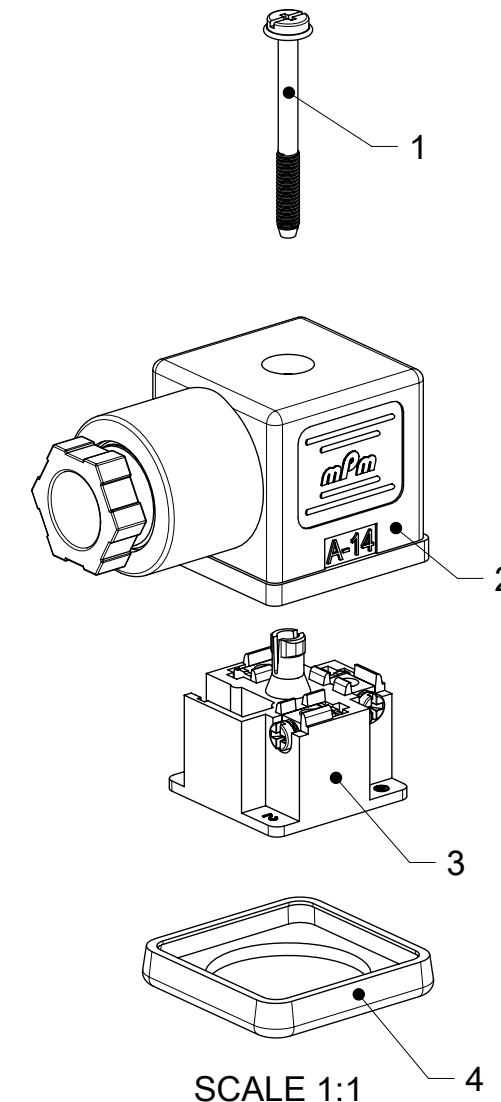
### SCREW M3x29



### SCREW M3x30 + WASHER

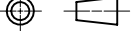


EARTH POSITION  
H12 SHOWN

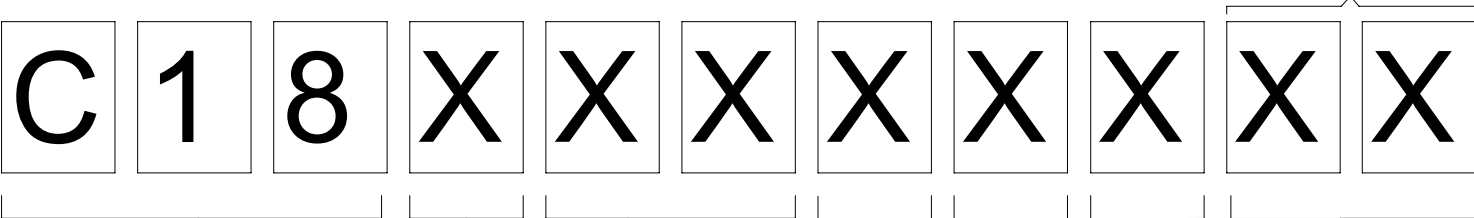


## NOTES :

1. PLEASE SEE PDP 1210230229 FOR CURRENTLY CONFIGURED PART NUMBERS.
2. FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
3. PRODUCT SPEC : SEE PS-121201-001

| 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:                                                                                                                                                                 |  |                  | <div>molex</div>                         |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | mm                                                   |  | 2:1                                                                                                             |  | EC NO: 707042<br>DRWN: APAWLAK01 2022/05/17<br>CHK'D: RSILLER 2022/05/19<br>APPR: RSILLER 2022/05/19<br><br>INITIAL REVISION:<br>DRWN: SSM 2019/01/09<br>APPR: RSILLER 2019/01/15 |  |                  |                                          |                                       |  | C18 SERIES ASSEMBLY OPTIONS |                 |                        |  |
|  = 0                                                     |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | ANGULAR TOL ± °                                      |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | 4 PLACES ±                                           |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | 3 PLACES ±                                           |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | 2 PLACES ± 0.1                                       |  |                                                                                                                 |  | PRODUCT CUSTOMER DRAWING                                                                                                                                                          |  |                  | DOCUMENT NUMBER<br><div>1210230229</div> |                                       |  | DOC TYPE<br>PSD             | DOC PART<br>000 | REVISION<br>A1         |  |
|  = 0                                                     |  | 1 PLACE ± 0.2                                        |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | 0 PLACES ±                                           |  |                                                                                                                 |  |                                                                                                                                                                                   |  |                  |                                          |                                       |  |                             |                 |                        |  |
|  = 0                                                     |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>A3-SIZE                                                                                                                                                                |  | SERIES<br>121023 |                                          | MATERIAL NUMBER<br>SEE 1210230229 PDP |  | CUSTOMER<br>GENERAL MARKET  |                 | SHEET NUMBER<br>1 OF 2 |  |

C18 SERIES MATRIX



SERIES  
C18 - INTERNAL  
THREAD  
FORM A

POLES  
2 - 2 POLE  
3 - 3 POLE

THREAD  
09 - PG9  
11- PG11  
M6 - M6x1.5  
M0 - M20x1.5  
12 -1/2" GAS,  
13 - 1/2" NPTF  
39 - PG9 W/STRAIN RELIEF  
41 - PG11 W/STRAIN RELIEF

MATERIAL AND  
HOUSING COLOR:  
G - PA6 Grey  
N - Black Black  
T - Transparent  
W - Black UL94 - V0  
H - PA6 HEAT PROTECTION  
Z - Grey V0

GROUND  
POSITION :  
0 - UNMOUNTED  
2 - H12  
3 - H3  
6 - H6  
9 - H9

SCREW AND GASKET  
1 - NBR PROFILE GASKET & SCREW  
2 - NBR FLAT GASKET & SCREW  
3 - WHITE SILICONE PROFILE GASKET & SCREW  
4 - WHITE SILICONE FLAT GASKET & SCREW  
5 - NBR PROFILE GASKET, NO SCREW  
9 - NO GASKET , NO SCREW  
0 - NO GASKET , NO SCREW  
A - NBR PROFILE GASKET & SCREW + 2mm  
B - NBR FLAT GASKET & SCREW + 2mm  
C - WHITE SILICONE PROFILE GASKET & SCREW + 2mm  
G - NO GASKET & STANDARD SCREW  
I - BULK PACK FULLY MOUNTED , NO GASKET  
P - INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED  
R - INTEGRATED NBR GASKET & IP97 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS  
AF - WITH CENTRE SCREW MOUNTED  
14 - SINGLE BAGGED  
SA - UL LISTED  
19 - PIN No.3 NON CONNECTED/REMOVED  
23 - ASSEMBLED SCREWS & GASKET  
10 - SPECIAL GROMMET  
4S - SPECIAL GROMMET  
5A - SINGLED BAGGED 500 IN A BOX  
9V - NO SCREW OR GASKET  
BM - GOLD TERMINALS  
BS - FULLY MOUNTED ALL COMPONENTS  
IN SEPERATE BAGS  
OH - INOX SCREW  
P7 - IP67 COMPLIANT

| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|         | DIMENSION UNITS                                                                                                                               | SCALE           |
| = 0     | mm                                                                                                                                            | 1:1             |
| = 0     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                 |
| = 0     |                                                                                                                                               |                 |
| = 0     | ANGULAR TOL                                                                                                                                   | ± °             |
| = 0     | 4 PLACES                                                                                                                                      | ±               |
| = 0     | 3 PLACES                                                                                                                                      | ±               |
| = 0     | 2 PLACES                                                                                                                                      | ± 0.1           |
| = 0     | 1 PLACE                                                                                                                                       | ± 0.2           |
| = 0     | 0 PLACES                                                                                                                                      | ±               |
| = 0     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |                 |
| = 0     | THIRD ANGLE PROJECTION                                                                                                                        | DRAWING         |
| = 0     | SERIES                                                                                                                                        | MATERIAL NUMBER |
| = 0     | CUSTOMER                                                                                                                                      | SHEET NUMBER    |

|                        |  |               |                 |
|------------------------|--|---------------|-----------------|
| CURRENT REV DESC:      |  | EC NO: 707042 |                 |
| DRWN: APAWLAK01        |  | 2022/05/17    |                 |
| CHK'D: RSILLER         |  | 2022/05/19    |                 |
| APPR: RSILLER          |  | 2022/05/19    |                 |
| INITIAL REVISION:      |  | DRWN: SSM     |                 |
| APPR: RSILLER          |  | 2019/01/15    |                 |
| DOCUMENT NUMBER        |  | DOC TYPE      | DOC PART        |
| 1210230229             |  | PSD           | 000             |
| REVISION               |  | A1            |                 |
| THIRD ANGLE PROJECTION |  | DRAWING       | SERIES          |
| A3-SIZE                |  | 121023        | MATERIAL NUMBER |
| SEE 1210230229 PDP     |  | CUSTOMER      | SHEET NUMBER    |
| GENERAL MARKET         |  | 2 OF 2        |                 |

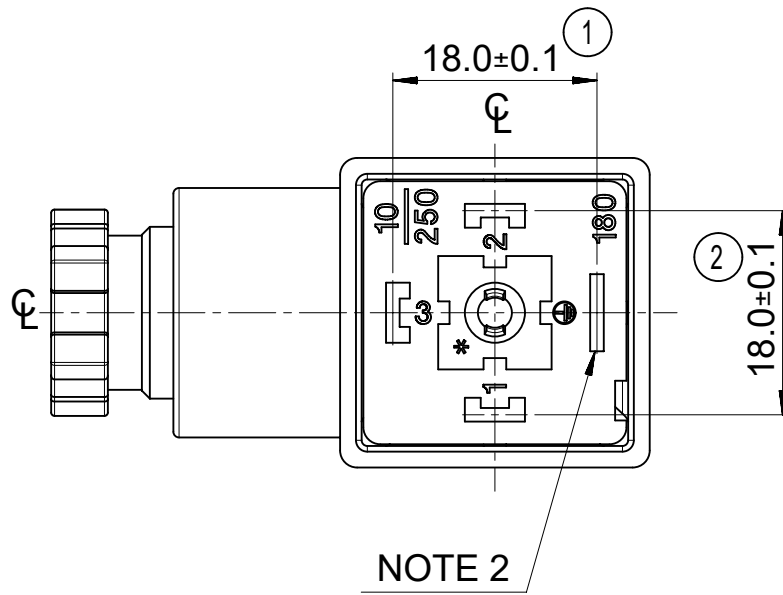
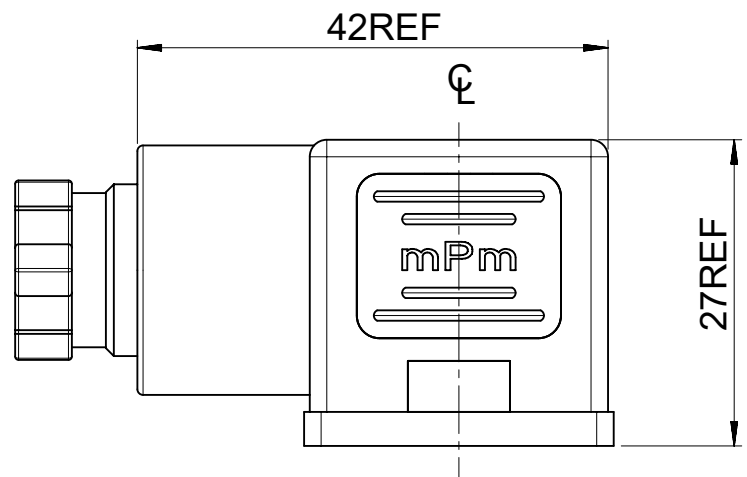
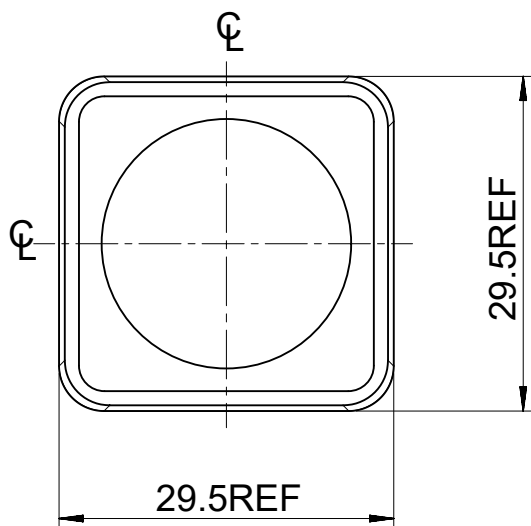
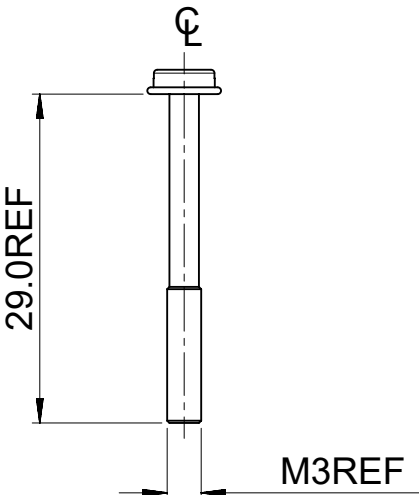
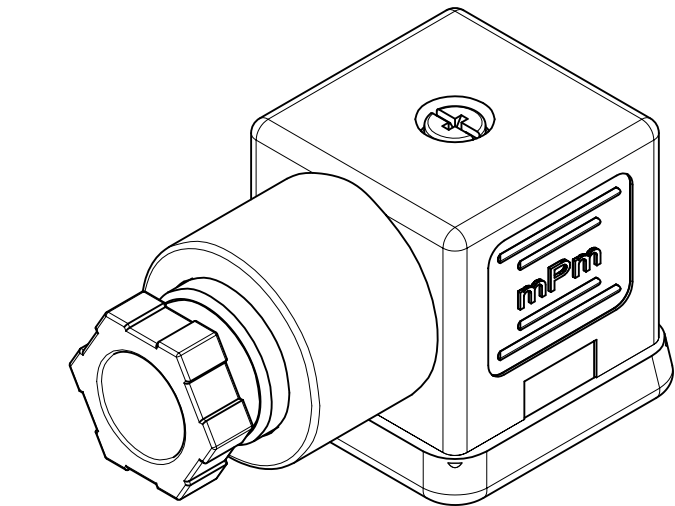
| ITEM | DESCRIPTION     |
|------|-----------------|
| 1    | SCREW           |
| 2    | COVER ASSEMBLY  |
| 3    | INSERT ASSEMBLY |
| 4    | GASKET          |

C18209N21\*\*

SERIES  
C18= INTERNAL THREAD FORM A  
POLES  
2= 2 POLE & 3= 3 POLE  
THREAD SIZE  
09= PG9, 11= PG11, M6= M16x1.5, M0= M20x1.5, 12= 1/2" GAS, 13= 1/2" NPTF  
39= PG9 W/STRAIN RELIEF, 41= PG11 W/STRAIN RELIEF  
MATERIAL AND HOUSING COLOUR  
G = PA6 GRAY, H= PA6 HEAT PROTECTION,  
N= PA6 BLACK, W= PA66 BLACK V0, T= TRANSPARENT  
GROUND POSITION  
0= UNMOUNTED, 2= H12, 3= H3, 6= H6 & 9= H9

SCREW AND GASKET  
1= NBR PROFILE GASKET & SCREW  
2= NBR FLAT GASKET & SCREW  
3= WHITE SILICONE PROFILE GASKET & SCREW  
4= WHITE SILICONE FLAT GASKET & SCREW  
5= NBR PROFILE GASKET, NO SCREW  
9= NO GASKET, NO SCREW  
0= NO GASKET, NO SCREW  
A= NBR PROFILE GASKET & SCREW +2mm  
B= NBR FLAT GASKET & SCREW +2mm  
C= WHITE SILICONE PROFILE GASKET & SCREW +2mm  
G= NO GASKET & STANDARD SCREW  
I= BULK PACK FULLY MOUNTED, NO GASKET  
P= INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED  
R= INTEGRATED NBR GASKET & IP67 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS  
14= SINGLE BAG  
19= PIN NO.3 NON CONNECTED/REMOVED,  
23= ASSEMBLED SCREWS & GASKET  
10= SPECIAL GROMMET  
4S= SPECIAL GROMMET  
5A= SINGLE BAGGED 500 IN A BOX  
9V= NO SCREW OR GASKET  
AF= CENTRE SCREW MOUNTED  
BM= GOLD TERMINALS  
BS= FULLY UNMOUNTED ALL COMPONENTS IN SEPARATE BAGS  
OH= INOX SCREW  
P7= IP67 COMPLIANT  
SA= UL LISTED PART



- NOTES
- PLEASE SEE SHEET 2 FOR CURRENTLY CONFIGURED PART NUMBERS, FOR SPECIFIC PART NUMBERS PLEASE CONTACT SALES OR CONSULT THE INTELLIGENT PART NUMBERS IN THE TABLE ATTACHED
  - EARTH POSITION SHOWN, H12.
  - FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
  - PRODUCT SPEC: SEE PS-121201-001

LAST INSPECTION NUMBER 2

|                                                                                                                                                     |                                                                                                                                               |    |       |                                                                                       |                                                                   |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|--------|-------------------------------|--------------------------|--|----------------|----------|--------------|--|
| FUNCTIONAL SYMBOLS<br><div><div>▽<sub>A</sub> = 0</div><div>▽<sub>C</sub> = 0</div><div>▽<sub>P</sub> = 0</div></div> <div>DIVISIONAL SYMBOLS</div> | 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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405 |                                                                                                     |  |        | <div>molex</div>              |                          |  |                |          |              |  |
|                                                                                                                                                     | mm                                                                                                                                            |    | 1.5:1 |                                                                                       |                                                                   |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
|                                                                                                                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |       |                                                                                       |                                                                   |                                                                                                     |  |        | C18 SERIES<br>INTERNAL THREAD |                          |  |                |          |              |  |
|                                                                                                                                                     |                                                                                                                                               | MM |       | INCH                                                                                  |                                                                   |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
|                                                                                                                                                     | 4 PLACES                                                                                                                                      |    | ±     |                                                                                       | ±                                                                 | EC NO: 784316<br>DRWN: VISHAH2<br>CHK'D: GGA<br>APPR: GGA<br>2024/04/19<br>2024/05/13<br>2024/05/13 |  |        |                               | PRODUCT CUSTOMER DRAWING |  |                |          |              |  |
|                                                                                                                                                     | 3 PLACES                                                                                                                                      |    | ±     |                                                                                       | ±                                                                 |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
|                                                                                                                                                     | 2 PLACES                                                                                                                                      |    | ±     | 0.1                                                                                   | ±                                                                 |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
|                                                                                                                                                     | 1 PLACE                                                                                                                                       |    | ±     | 0.2                                                                                   | ±                                                                 | INITIAL REVISION:<br>DRWN: JOCONNOR<br>APPR: EFOLAN<br>2011/05/04<br>2011/05/24                     |  |        |                               | DOCUMENT NUMBER          |  | DOC TYPE       | DOC PART | REVISION     |  |
|                                                                                                                                                     | 0 PLACES                                                                                                                                      |    | ±     |                                                                                       | ±                                                                 |                                                                                                     |  |        |                               | SD-121023-001            |  | PSD            | 001      | P4           |  |
| ANGULAR TOL                                                                                                                                         |                                                                                                                                               | ±  |       | °                                                                                     |                                                                   |                                                                                                     |  |        |                               |                          |  |                |          |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                          |                                                                                                                                               |    |       | THIRD ANGLE PROJECTION                                                                |                                                                   | DRAWING                                                                                             |  | SERIES |                               | MATERIAL NUMBER          |  | CUSTOMER       |          | SHEET NUMBER |  |
|                                                                                                                                                     |                                                                                                                                               |    |       |  |                                                                   | A2-SIZE                                                                                             |  | 121023 |                               | SEE TABLE                |  | GENERAL MARKET |          | 1 OF 2       |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/05/13 | 16:22:04 |
|-----------------|----|--------------|------------|----------|

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