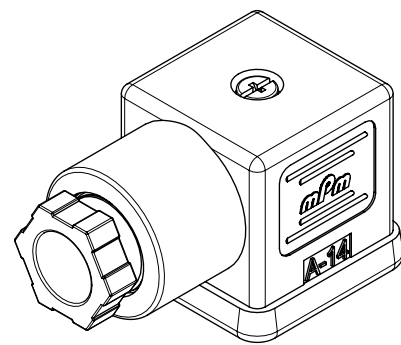




SCALE 1:1

## 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

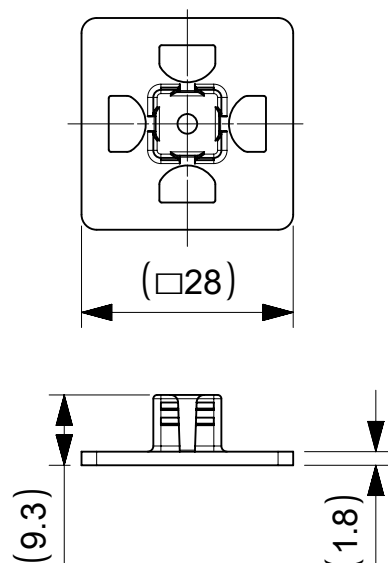
OPERATING TEMPERTURE WITH:  
NITRILE RUBBER(NBR) GASKET : -40°C TO +90°C  
SILICONE : -40°C TO +125°C

ENVIRONMENTAL : IP65  
(IP67 AVAIABLE ON REQUEST)

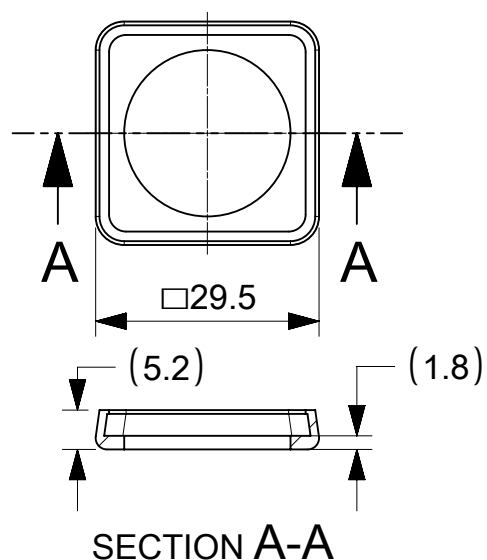
### BOM

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

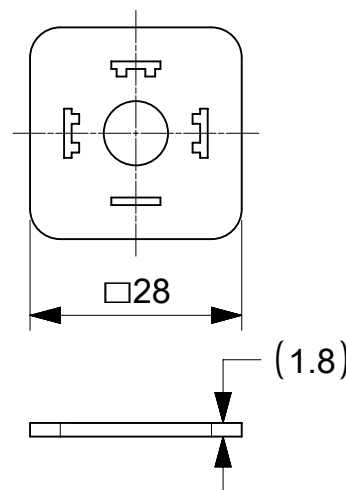
### INTEGRATED GASKET



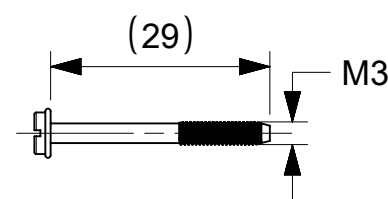
### PROFIED GASKET



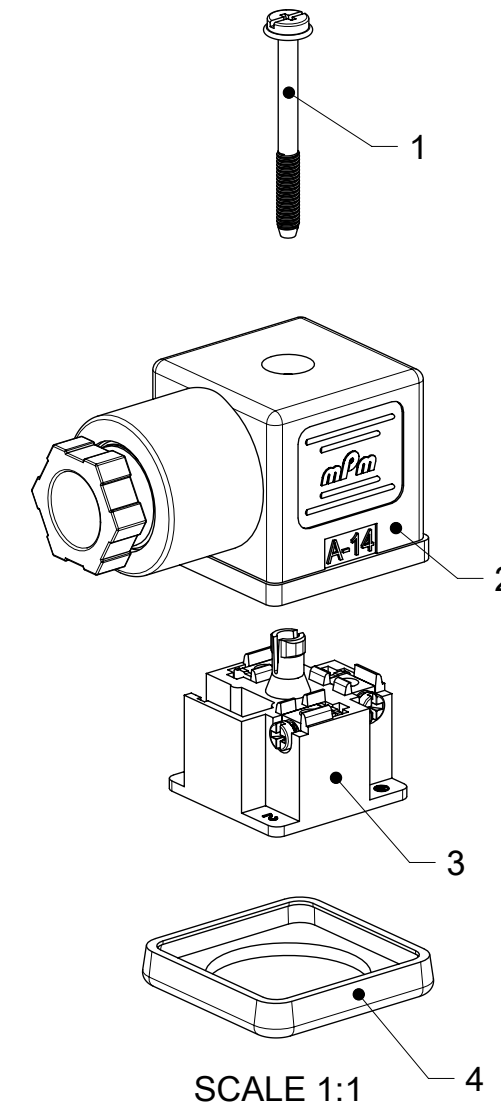
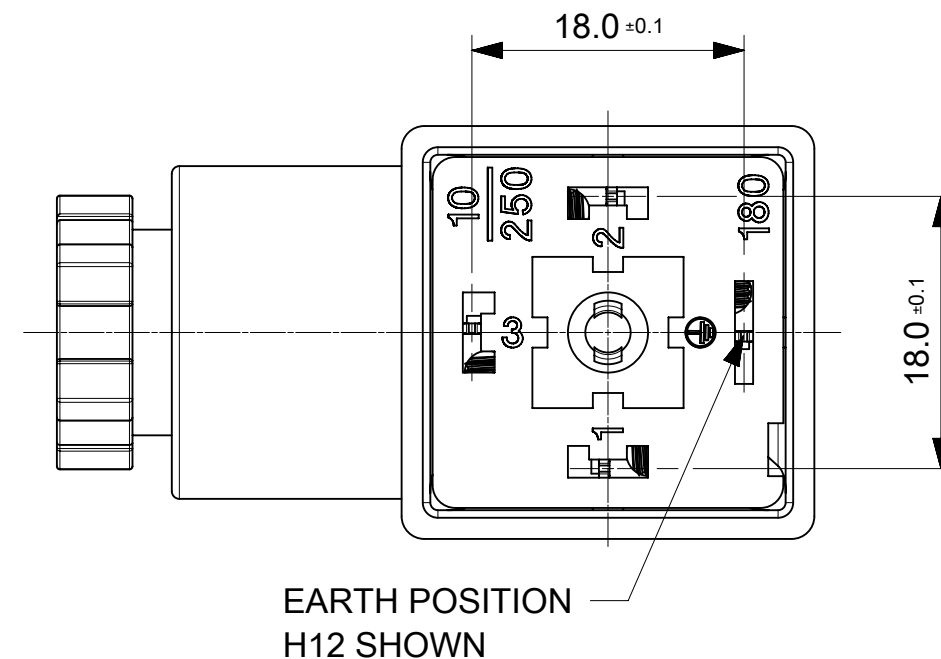
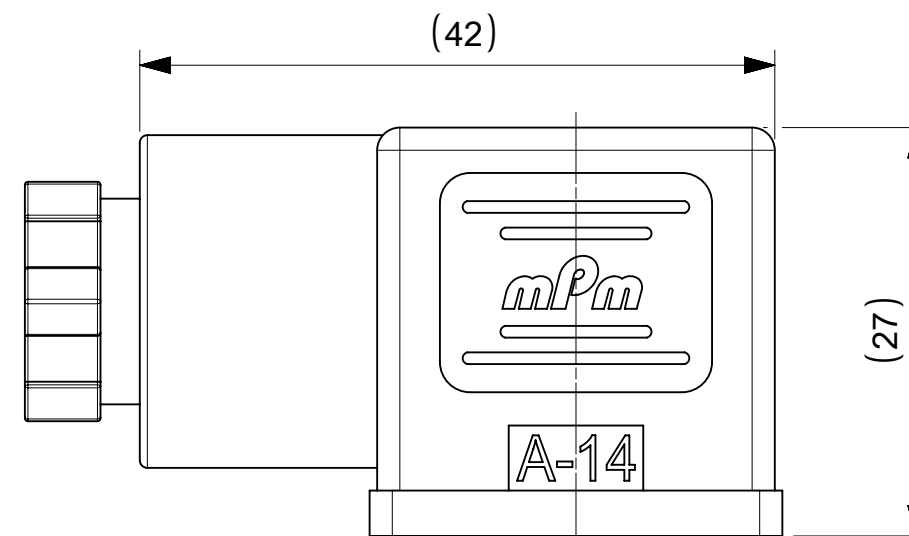
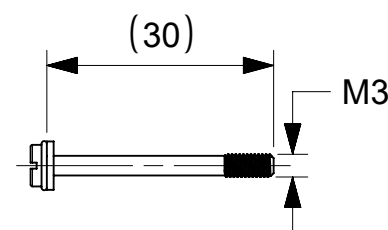
### FLAT GASKET



### SCREW M3x29

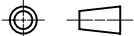


### SCREW M3x30 + WASHER

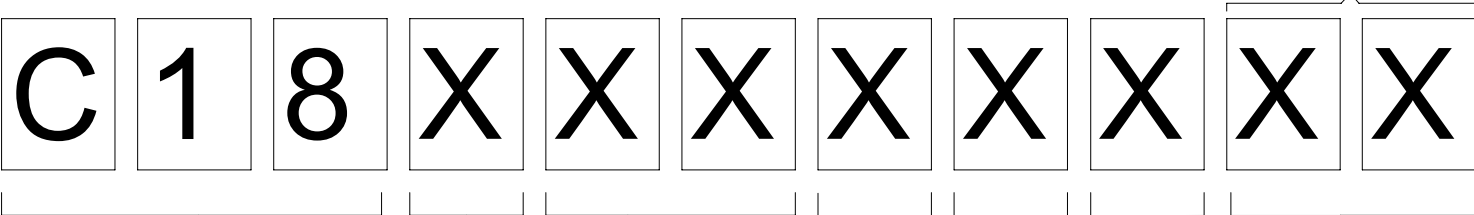


## NOTES :

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>            |  |              |  |
|                                                                                                                                               | mm                                                         |  | 2:1   |  |                                                                                                                 |  |                             |  |              |  |
|  = 0                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |       |  | EC NO: 707042<br>DRWN: APAWLAK01 2022/05/17<br>CHK'D: RSILLER 2022/05/19<br>APPR: RSILLER 2022/05/19            |  | C18 SERIES ASSEMBLY OPTIONS |  |              |  |
|  = 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<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |       |  | THIRD ANGLE PROJECTION<br> |  | DRAWING                     |  | SERIES       |  |
|                                                                                                                                               |                                                            |  |       |  |                                                                                                                 |  | A3-SIZE                     |  | 121023       |  |
|                                                                                                                                               |                                                            |  |       |  | MATERIAL NUMBER                                                                                                 |  | CUSTOMER                    |  | SHEET NUMBER |  |
|                                                                                                                                               |                                                            |  |       |  | SEE 1210230229 PDP                                                                                              |  | GENERAL MARKET              |  | 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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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molex

C18 SERIES ASSEMBLY OPTIONS

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|-----------------|----------|----------|----------|
| 1210230229      | PSD      | 000      | A1       |

|         |        |                    |                |        |
|---------|--------|--------------------|----------------|--------|
| A3-SIZE | 121023 | SEE 1210230229 PDP | GENERAL MARKET | 2 OF 2 |
|---------|--------|--------------------|----------------|--------|

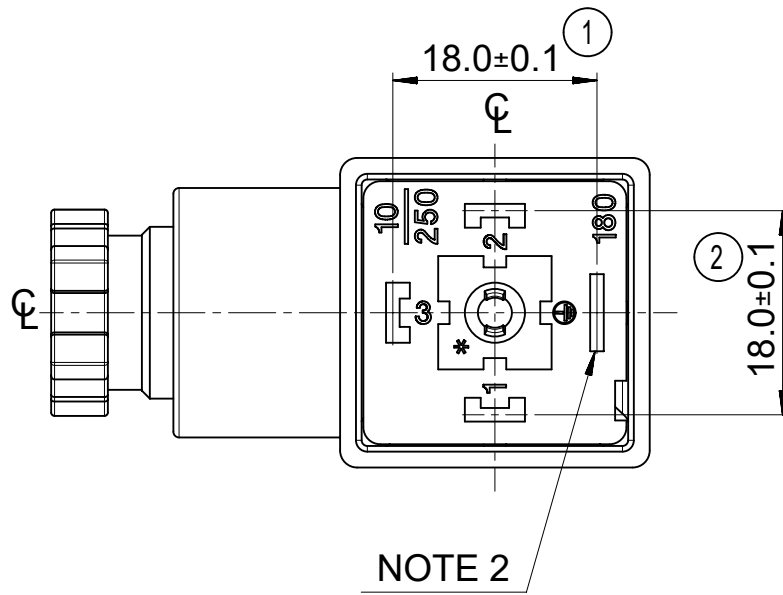
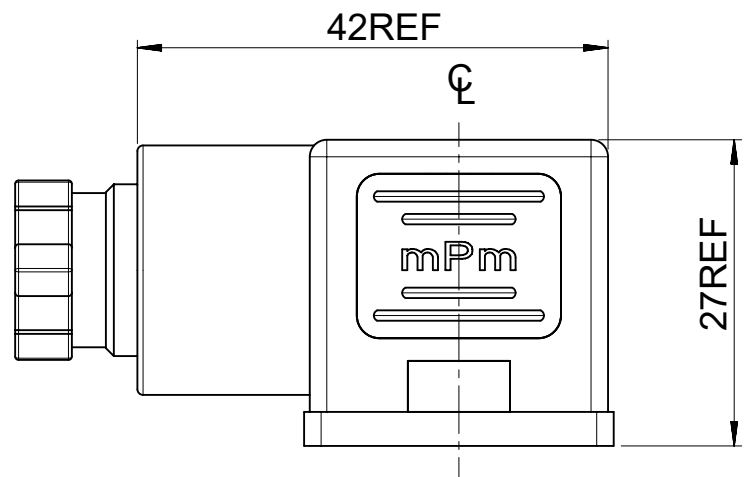
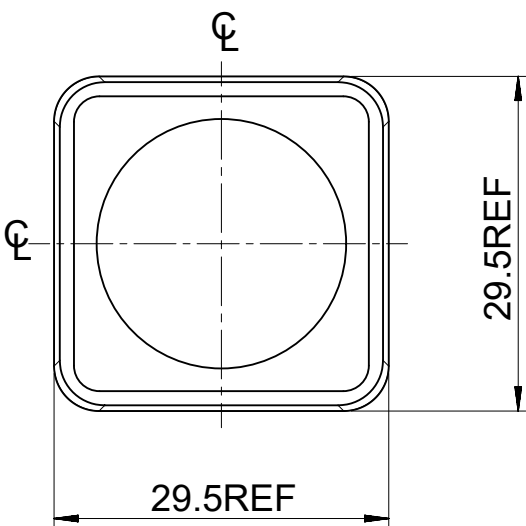
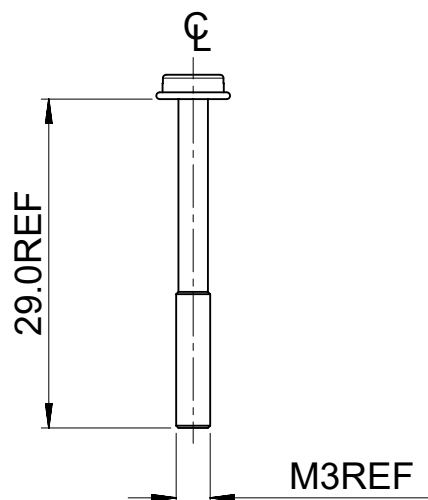
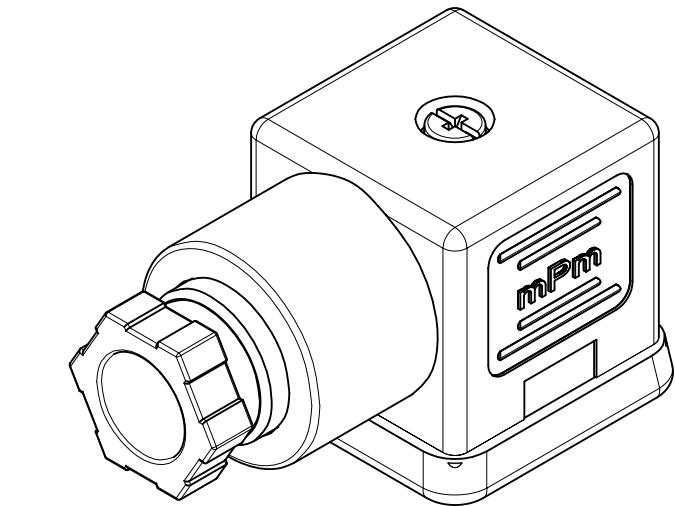
| ITEM | DESCRIPTION     |
|------|-----------------|
| 1    | SCREW           |
| 2    | COVER ASSEMBLY  |
| 3    | INSERT ASSEMBLY |
| 4    | GASKET          |

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                                         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |       |                                     |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          |   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------------------------------------|---------------------------------------------------------------------------------|---------|--|--------|-----------------|-----------------------------------------------------------------------------------------------------|---|----------------|--|--------------|-------------------------------|----------|----------|---|
| <div><div>⌀</div><div>= 0</div></div>                      | DIMENSION UNITS                                                                                                                               |                                       | SCALE |                                     | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#513405               |         |  |        |                 | <div>molex</div>                                                                                    |   |                |  |              |                               |          |          |   |
|                                                            | mm                                                                                                                                            |                                       | 1.5:1 |                                     |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          |   |
|                                                            | <div><div>⌀</div><div>= 0</div></div>                                                                                                         | GENERAL TOLERANCES (UNLESS SPECIFIED) |       |                                     |                                                                                 |         |  |        |                 | EC NO: 784316<br>DRWN: VISHAH2<br>2024/04/19<br>CHK'D: GGA<br>2024/05/13<br>APPR: GGA<br>2024/05/13 |   |                |  |              | C18 SERIES<br>INTERNAL THREAD |          |          |   |
| <div><div>⌀</div><div>= 0</div></div>                      | MM                                                                                                                                            |                                       | INCH  |                                     |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          |   |
| DIVISIONAL SYMBOLS                                         | 4 PLACES                                                                                                                                      |                                       | ±     | ±                                   | INITIAL REVISION:<br>DRWN: JOCONNOR<br>2011/05/04<br>APPR: EFOLAN<br>2011/05/24 |         |  |        | DOCUMENT NUMBER |                                                                                                     |   |                |  |              | DOC TYPE                      | DOC PART | REVISION |   |
|                                                            | 3 PLACES                                                                                                                                      |                                       | ±     | ±                                   |                                                                                 |         |  |        | SD-121023-001   |                                                                                                     |   |                |  |              | PSD                           | 001      | P4       |   |
|                                                            | 2 PLACES                                                                                                                                      |                                       | ±     | 0.1                                 |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          | ± |
|                                                            | 1 PLACE                                                                                                                                       |                                       | ±     | 0.2                                 |                                                                                 |         |  |        |                 |                                                                                                     | ± |                |  |              |                               |          |          |   |
| 0 PLACES                                                   |                                                                                                                                               | ±                                     | ±     |                                     |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          |   |
| ANGULAR TOL                                                |                                                                                                                                               | ±                                     | °     |                                     |                                                                                 |         |  |        |                 |                                                                                                     |   |                |  |              |                               |          |          |   |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                               |                                       |       | THIRD ANGLE PROJECTION              |                                                                                 | DRAWING |  | SERIES |                 | MATERIAL NUMBER                                                                                     |   | CUSTOMER       |  | SHEET NUMBER |                               |          |          |   |
|                                                            |                                                                                                                                               |                                       |       | <div><div>⌀</div><div>⌀</div></div> |                                                                                 | A2-SIZE |  | 121023 |                 | SEE TABLE                                                                                           |   | GENERAL MARKET |  | 1 OF 2       |                               |          |          |   |

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