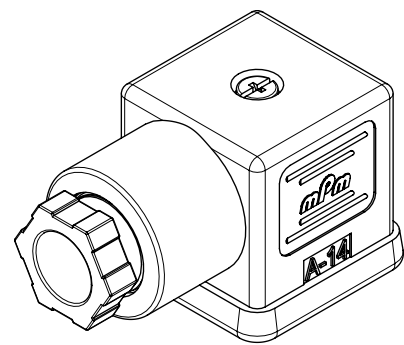




SCALE 1:1

TECHNICAL SPECIFICATION :

MAX. CURRENT : 16.0A
INSULATION RESISTANCE : 100Megaohms min.
MAX. CONDUCTOR : 1.50mm²/16AWG
MAX. VOLTAGE : 250V
CONTACT RESISTANCE : ≤15milliohms max.

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

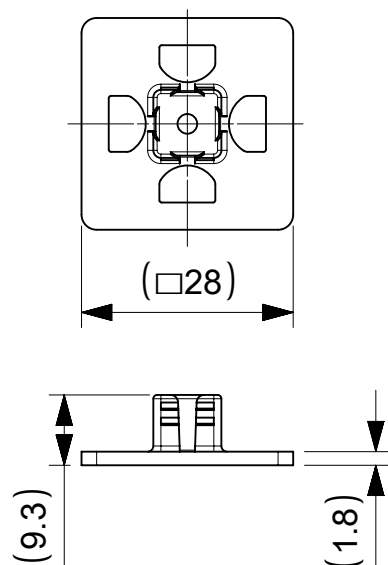
OPERATING TEMPERTURE WITH:
NITRILE RUBBER(NBR) GASKET : -40°C TO +90°C
SILICONE : -40°C TO +125°C

ENVIRONMENTAL : IP65
(IP67 AVAIABLE ON REQUEST)

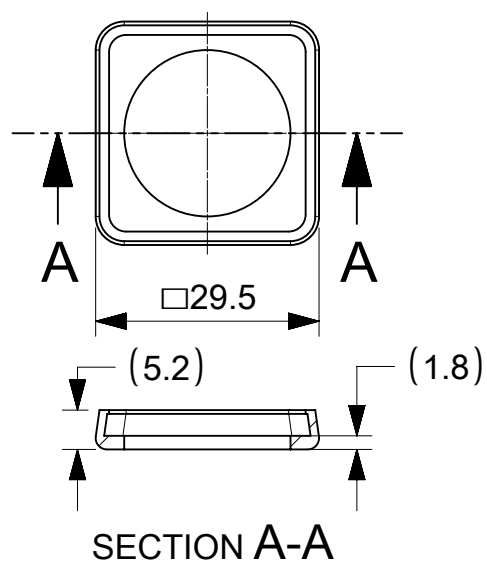
BOM

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

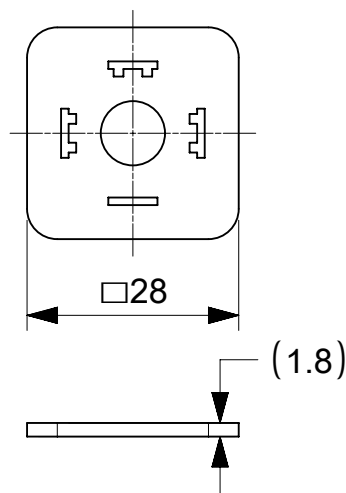
INTEGRATED GASKET



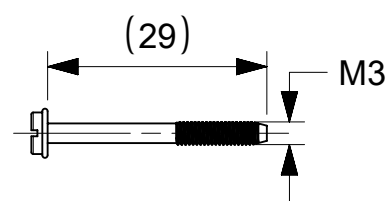
PROFIED GASKET



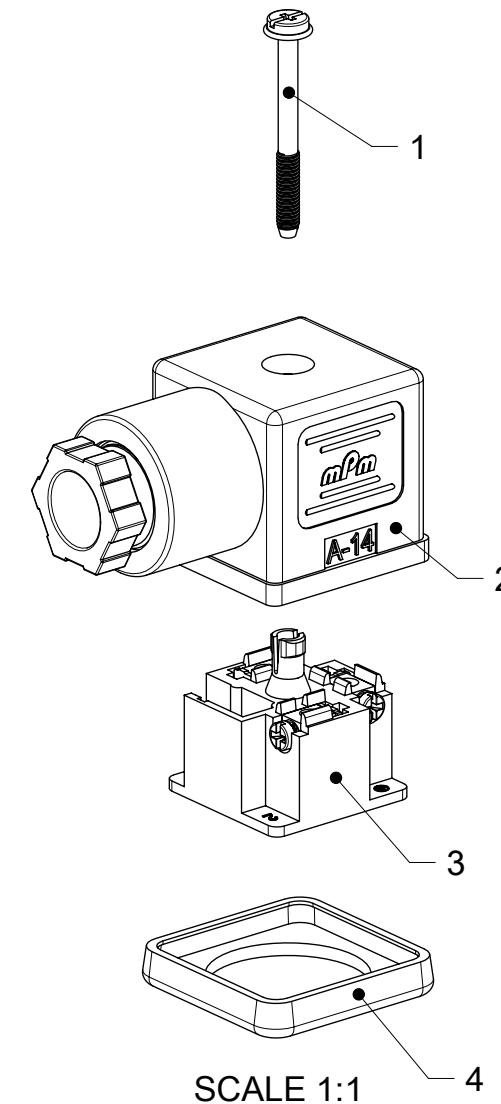
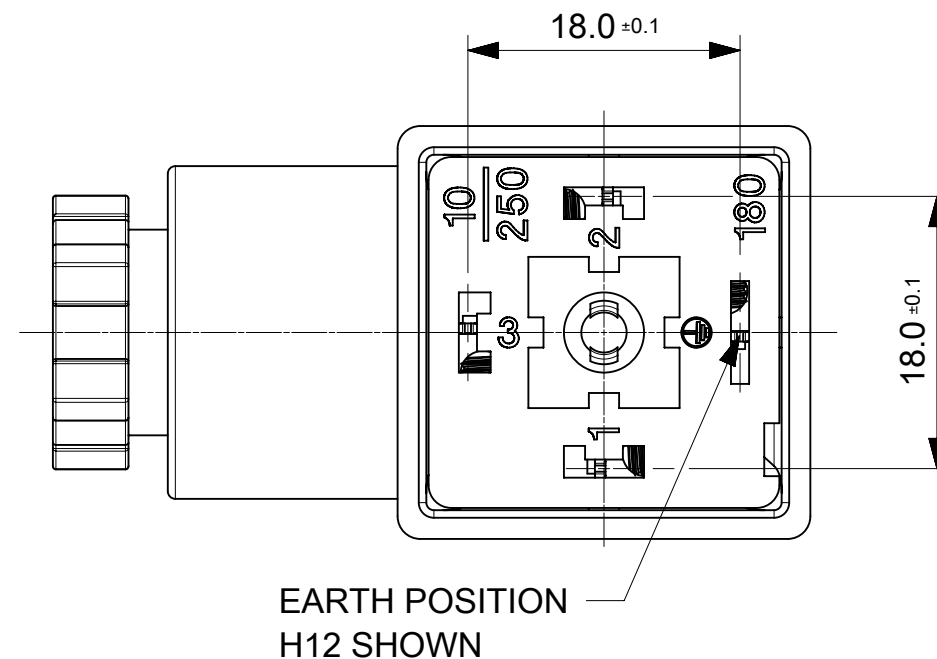
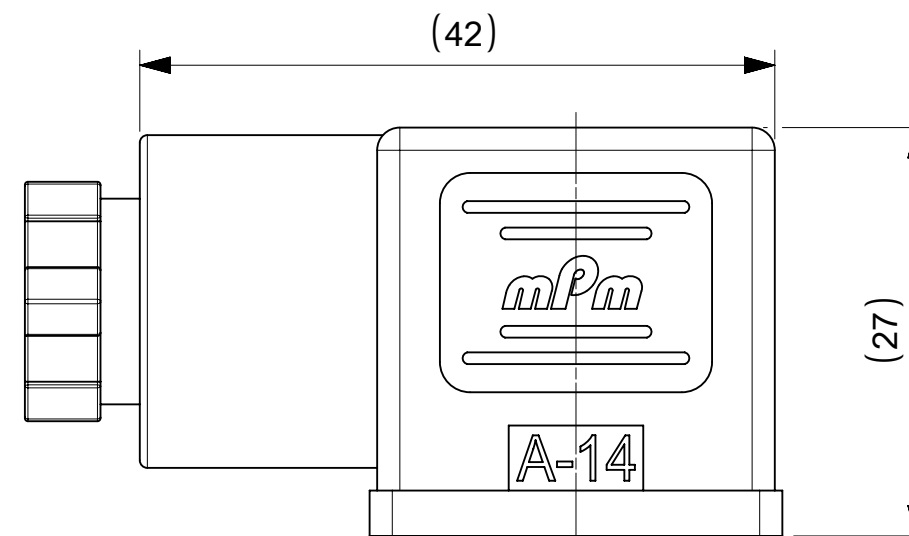
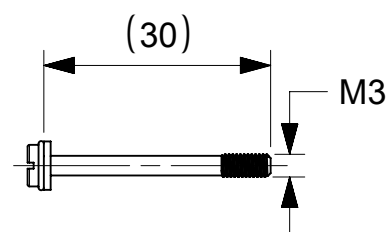
FLAT GASKET



SCREW M3x29

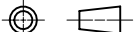


SCREW M3x30 + WASHER

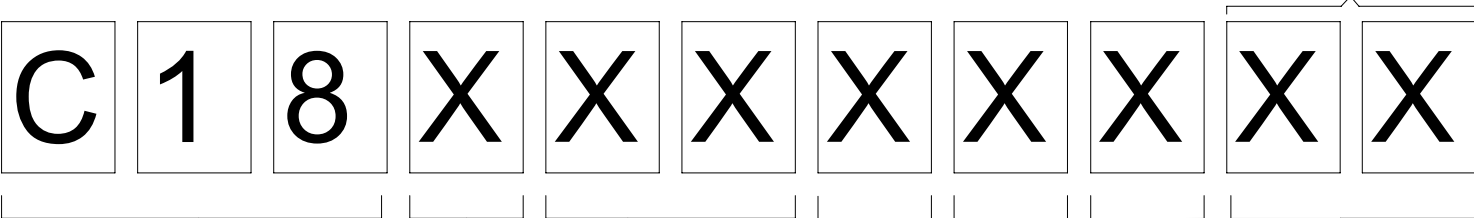


NOTES :

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

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

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

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

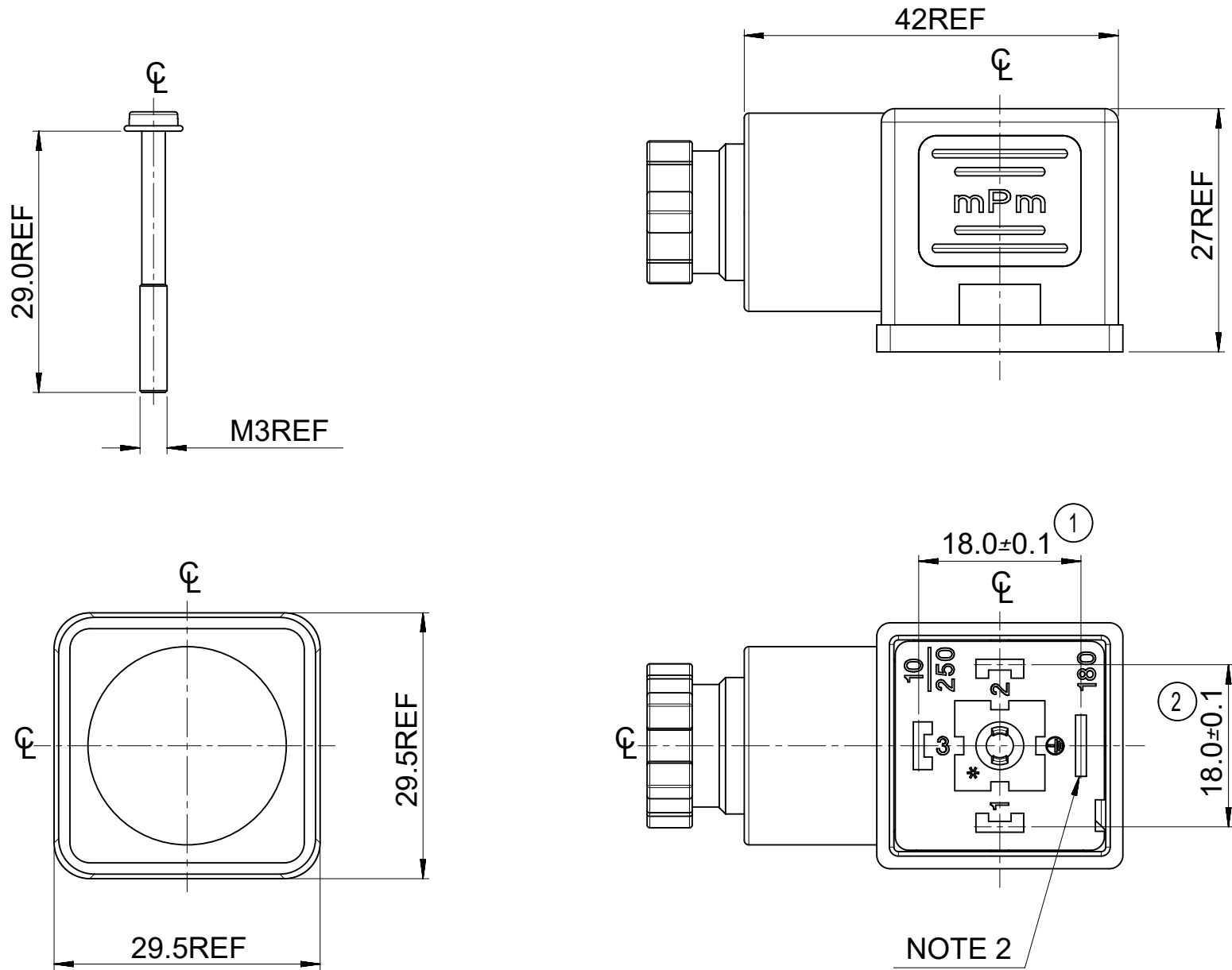
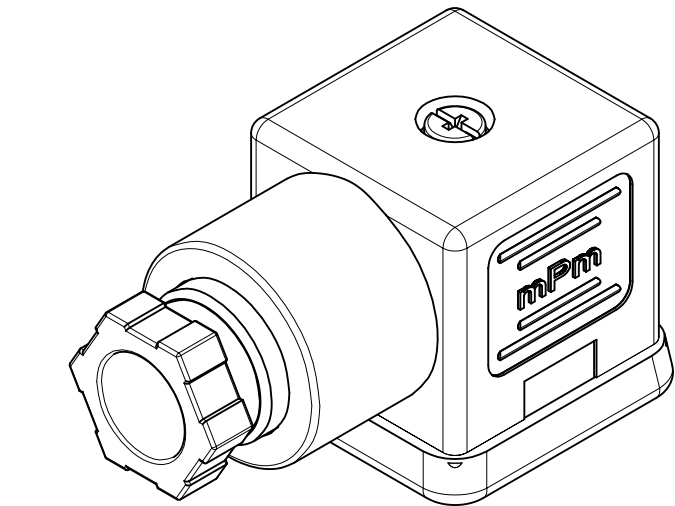
ITEM	DESCRIPTION
1	SCREW
2	COVER ASSEMBLY
3	INSERT ASSEMBLY
4	GASKET

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
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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													
⌀ = 0 ⌀ = 0 ⌀ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767			molex						
	mm		1.5:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 806185 DRWN: VISHAH2 CHK'D: GGA APPR: GGA			C18 SERIES INTERNAL THREAD			
	MM	INCH												
DIVISIONAL SYMBOLS	4 PLACES	±		±	2024/11/25 2024/12/16 2024/12/16						PRODUCT CUSTOMER DRAWING			
	3 PLACES	±		±										
	2 PLACES	±	0.1	±										
	1 PLACE	±	0.2	±										
	0 PLACES	±		±	INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	ANGULAR TOL ± °				DRWN: JOCONNOR APPR: EFOLAN			2011/05/04 2011/05/24		SD-121023-001		PSD	001	P5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				⌀ ⌀		A2-SIZE	121023	SEE TABLE		GENERAL MARKET		1 OF 2		

molex

C18 SERIES
INTERNAL THREAD

PRODUCT CUSTOMER DRAWING

SD-121023-001

PSD 001 P5

DOCUMENT STATUS	P1	RELEASE DATE	2024/12/16 13:41:07
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