



2021

GAINTA INDUSTRIES LTD





30 Years of Experience in Product Development

GAINTA, a privately owned Taiwan company, is one of the largest enclosure manufacturers in Asia, and is the market leader in thermoplastic enclosures used for protecting electrical and electronic components operating in hostile environments. GAINTEA enclosures are manufactured in modern factories located in Taiwan .

Whatever your application, the GAINTEA enclosure family features the widest range of high quality enclosures for the packaging and protection of electrical and electronic components and systems. Enclosures can be delivered in standard off the shelf configurations or customized to your exact specifications .

Continuous Product Development

The GAINTEA enclosure range features over 1000 different standard enclosures made of polycarbonate, ABS, aluminium die-casting & extrusion. GAINTEA is the industry leader in developing both new products and new technologies for molding thermoplastic enclosures. At GAINTEA, we consider molding technology an essential part of product development .

But more important than technical leadership, is the GAINTEA commitment to understanding the needs of its customers. All our products are designed in close cooperation with our customers. We use input from our global customer base to produce new enclosure ranges, useful accessories and on-going product improvements and enhancements .

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- P2XX-IP68 series : Light grey (ex : P201-IP68 , P201C-IP68)
- A3XX-IP68 series : Dark Grey (ex : A302-IP68)



P2XXMF-IP68 / A3XXMF-IP68 SERIES

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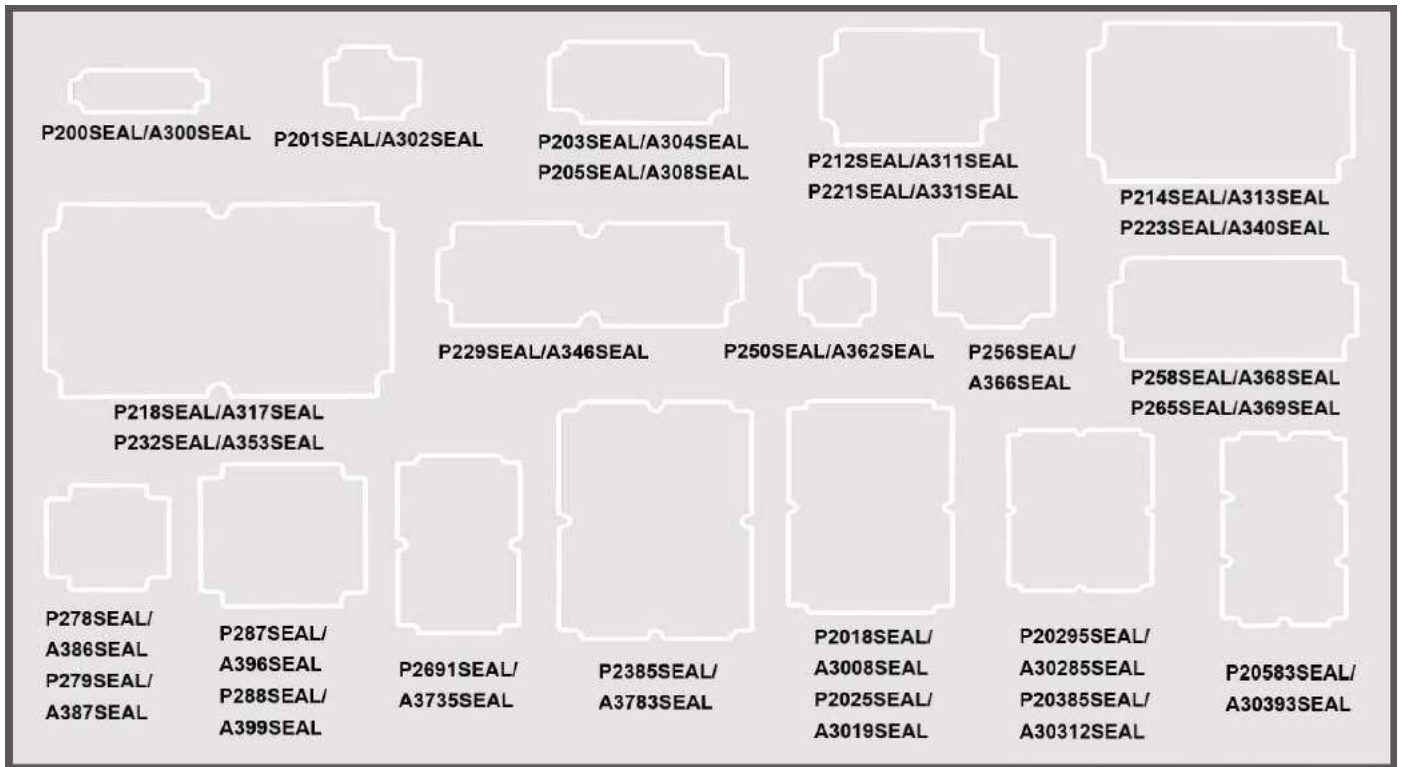
IP68 RATING POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE

- P2XXMF-IP68 series : Light grey (ex : P200MF-IP68 , P200CMF-IP68)
- A3XXMF-IP68 series : Dark Grey (ex : A300MF-IP68)



Continuous Silicone Seal

For P2XX (P2XXMF) and A3XX (A3XXMF) Plastic Boxes use



FOR P2XX/P2XXC	MATERIAL	EXTERNAL DIMENSION(mm)	FOR A3XX
SERIES			SERIES
ITEM NO.			ITEM NO.
P200SEAL	Silicone	88 x 33 x 1.6	A300SEAL
P201SEAL	Silicone	61 x 55 x 2.1	A302SEAL
P203SEAL	Silicone	112 x 62 x 2.1	A304SEAL
P205SEAL	Silicone	112 x 62 x 2.1	A308SEAL
P212SEAL	Silicone	112 x 87 x 1.7	A311SEAL
P214SEAL	Silicone	168 x 118 x 2.1	A313SEAL
P218SEAL	Silicone	219.1 x 143.1 x 1.5	A317SEAL
P221SEAL	Silicone	112 x 87 x 1.7	A331SEAL
P223SEAL	Silicone	168 x 118 x 2.1	A340SEAL
P229SEAL	Silicone	192.1 x 77.1 x 1.5	A346SEAL
P232SEAL	Silicone	219.1 x 143.1 x 1.5	A353SEAL
P250SEAL	Silicone	49.2 x 47.2 x 2.2	A362SEAL
P256SEAL	Silicone	79.1 x 77.1 x 2	A366SEAL
P258SEAL	Silicone	156.7 x 76.7 x 2.1	A368SEAL
P265SEAL	Silicone	156.7 x 76.7 x 2.1	A369SEAL
P278SEAL	Silicone	117 x 117 x 1.6	A386SEAL
P279SEAL	Silicone	117 x 117 x 1.6	A387SEAL
P287SEAL	Silicone	157 x 157 x 1.7	A396SEAL
P288SEAL	Silicone	157 x 157 x 1.7	A399SEAL
P2691SEAL	Silicone	197.4 x 117.4 x 2.1	A3735SEAL
P2385SEAL	Silicone	262.4 x 182.4 x 2.1	A3783SEAL
P2018SEAL	Silicone	236.2 x 156.2 x 1.7	A3008SEAL
P2025SEAL	Silicone	236.2 x 156.2 x 1.7	A3019SEAL
P20295SEAL	Silicone	297 x 227 x 2.1	A30285SEAL
P20385SEAL	Silicone	297 x 227 x 2.1	A30312SEAL
P20583SEAL	Silicone	357 x 197 x 2.8	A30393SEAL

Example

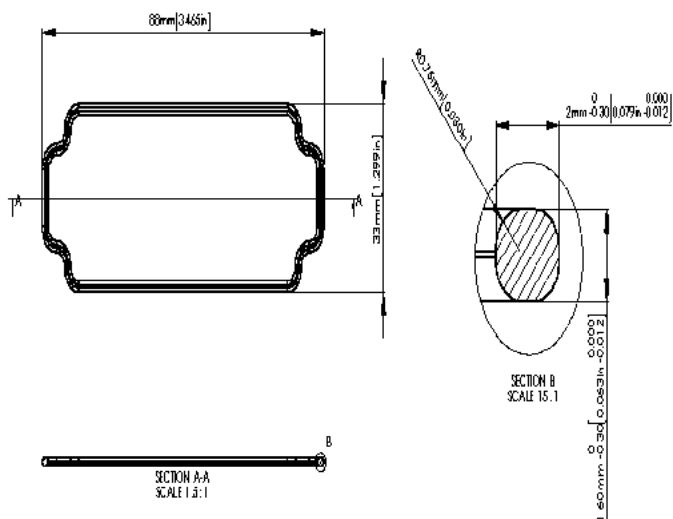


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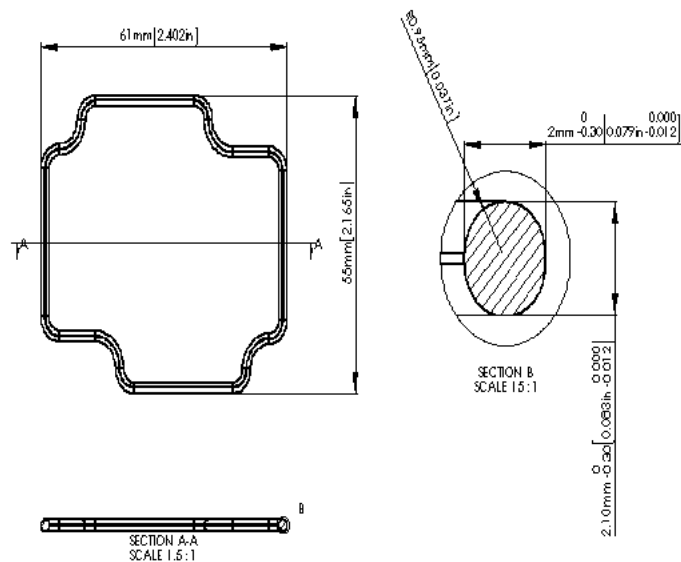


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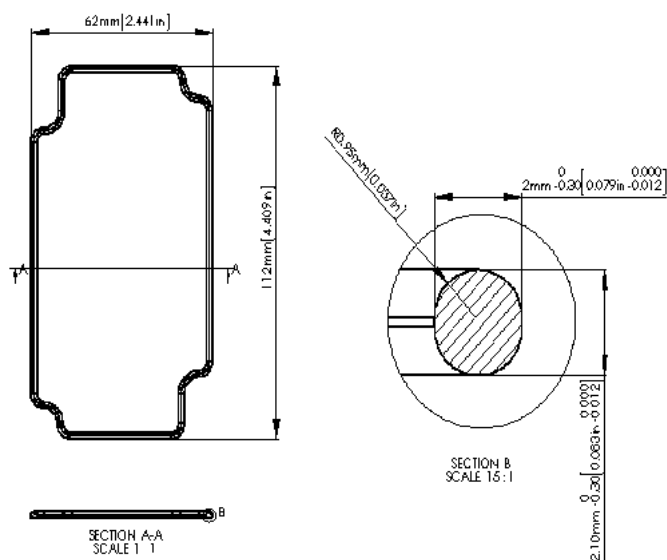
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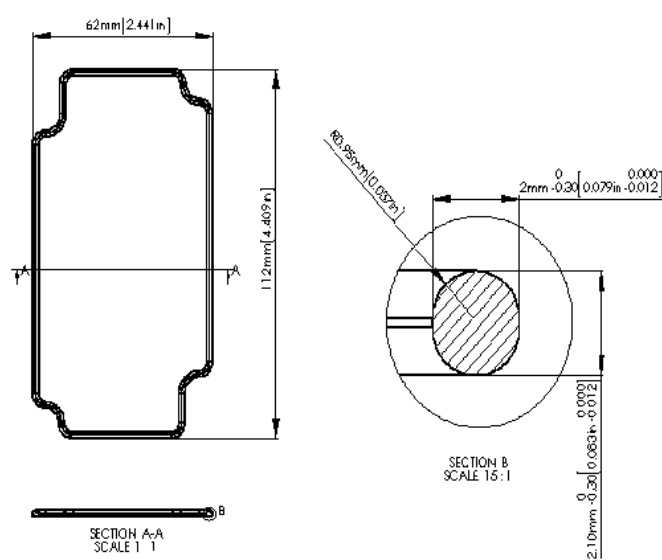
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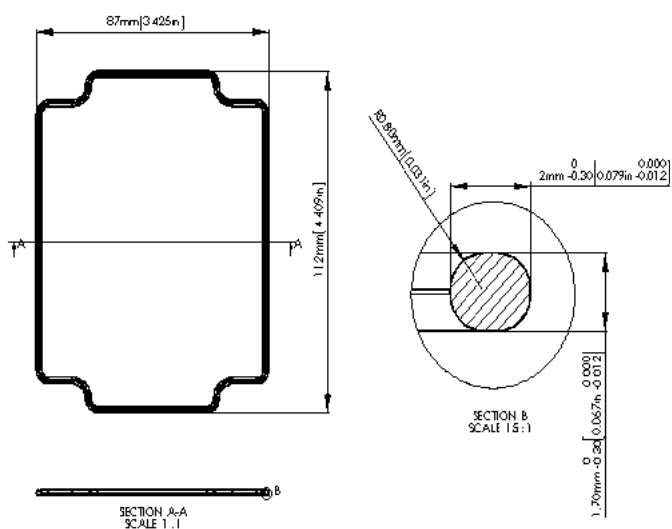
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P205SEAL / A308SEAL

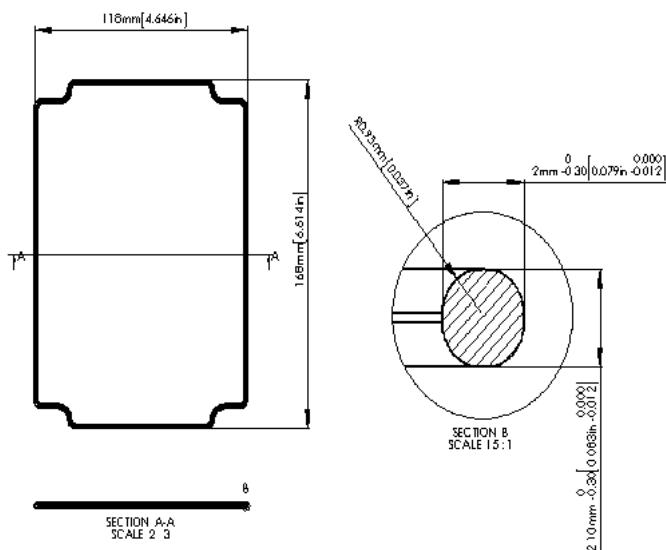


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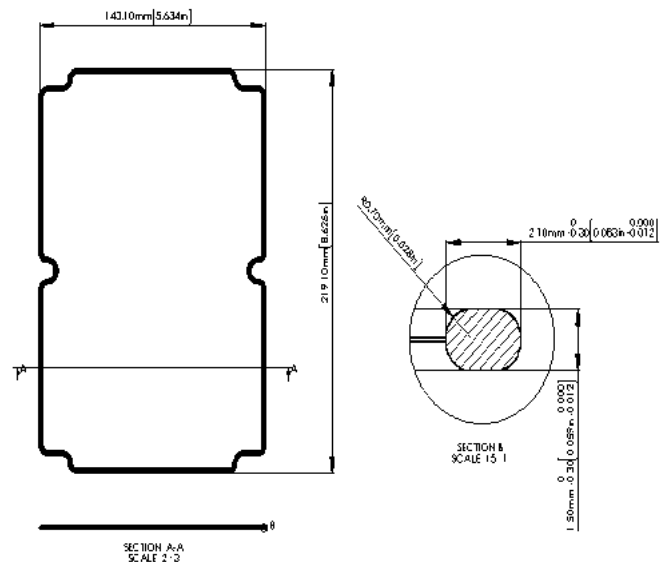


According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

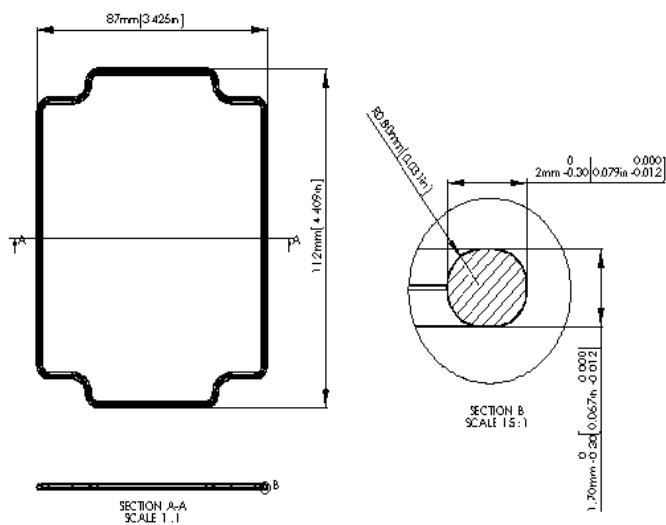
P214SEAL / A313SEAL



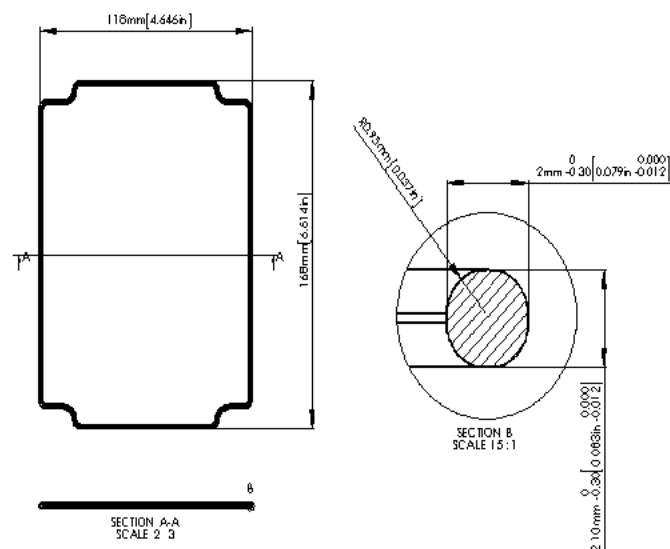
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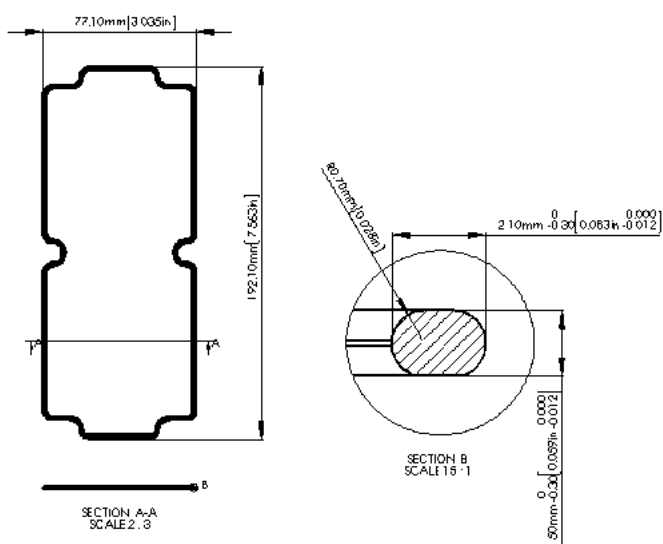
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P223SEAL / A340SEAL

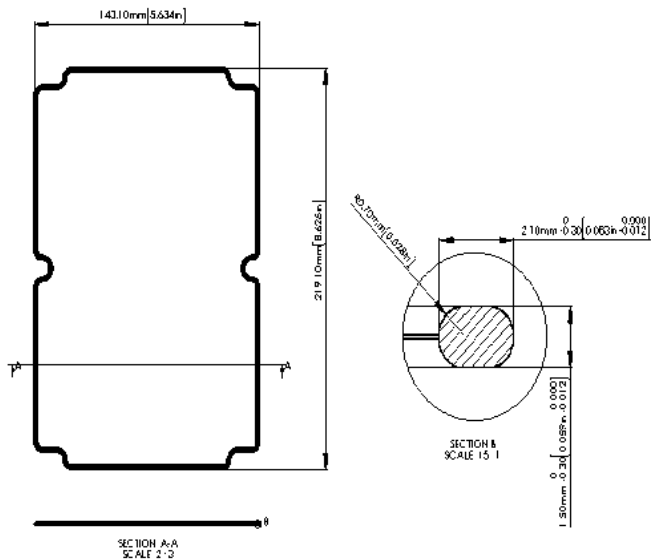


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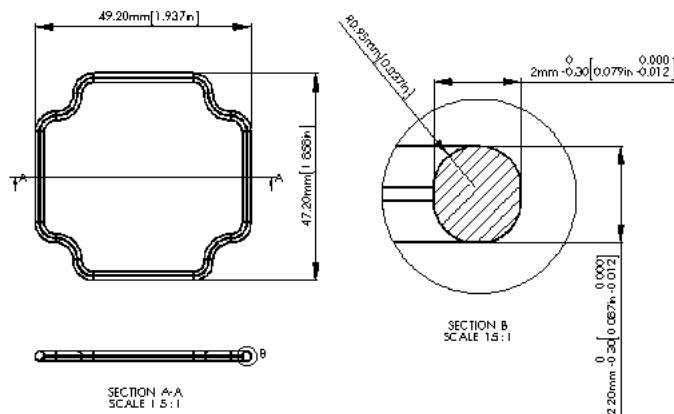


According to ISO 2768-m	
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3.0<L<=6.0mm	±0.1mm
6.0<L<=30.0mm	±0.2mm
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120.0<L<=400.0mm	±0.5mm
400.0<L<=1000.0mm	±0.8mm

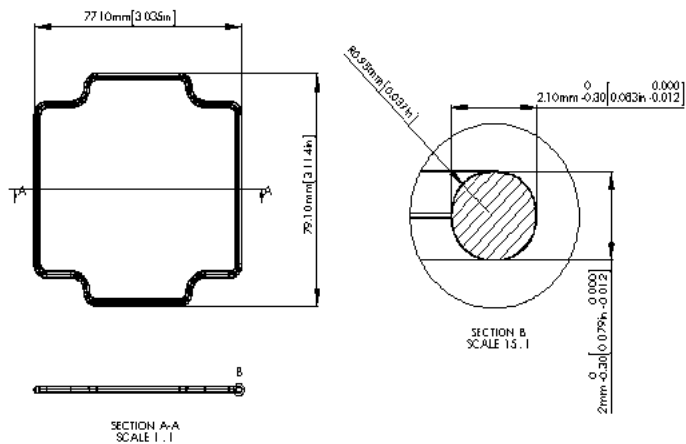
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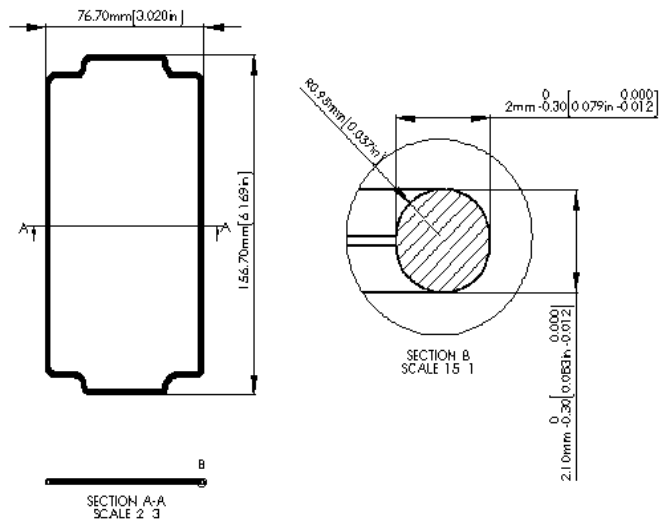
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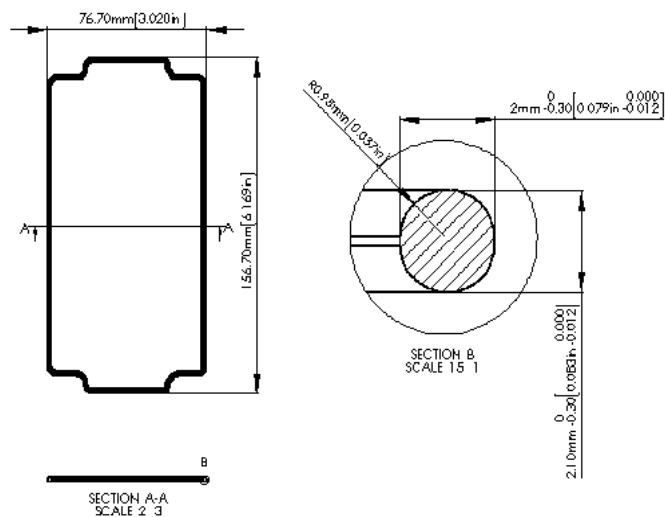
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P258SEAL / A368SEAL

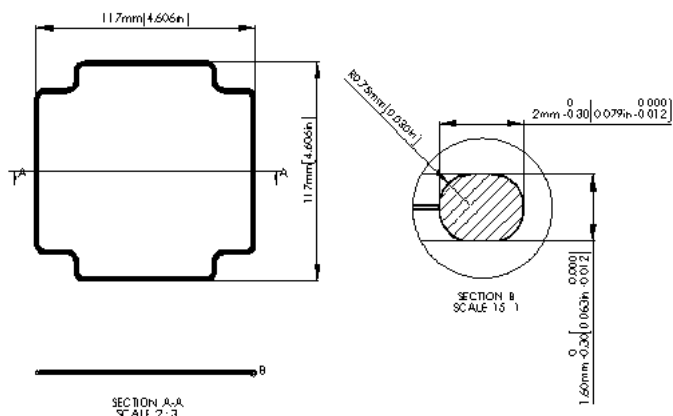


P265SEAL / A369SEAL

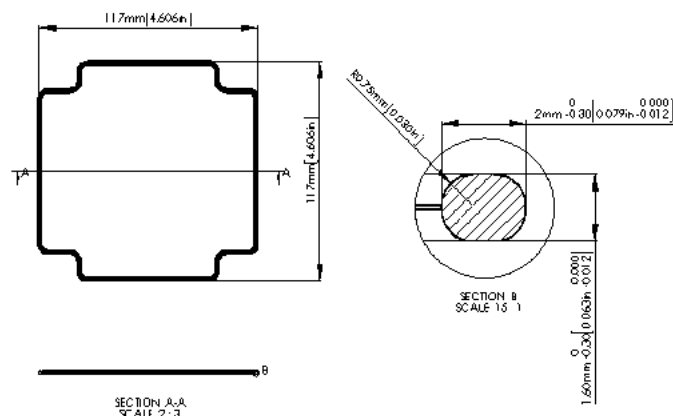


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6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

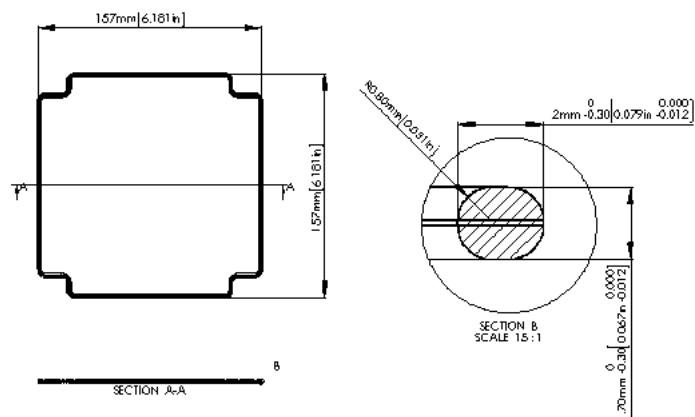
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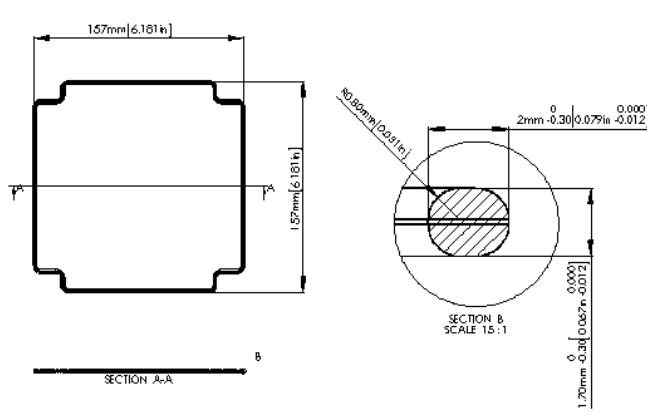
P279SEAL / A387SEAL



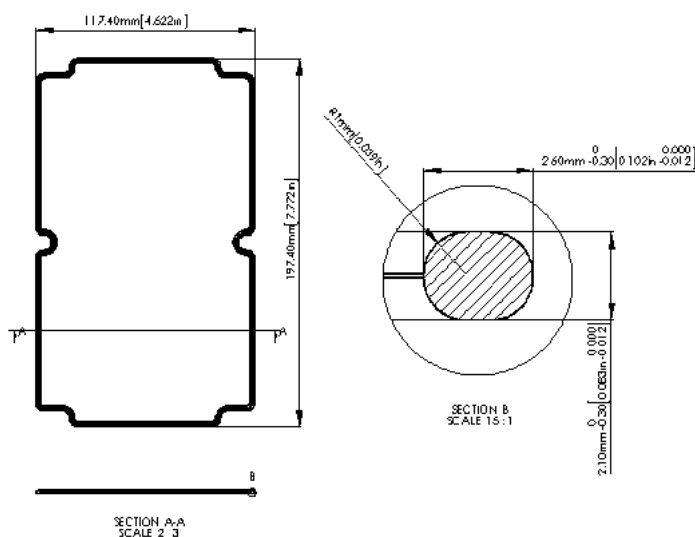
P287SEAL / A396SEAL



P288SEAL / A399SEAL

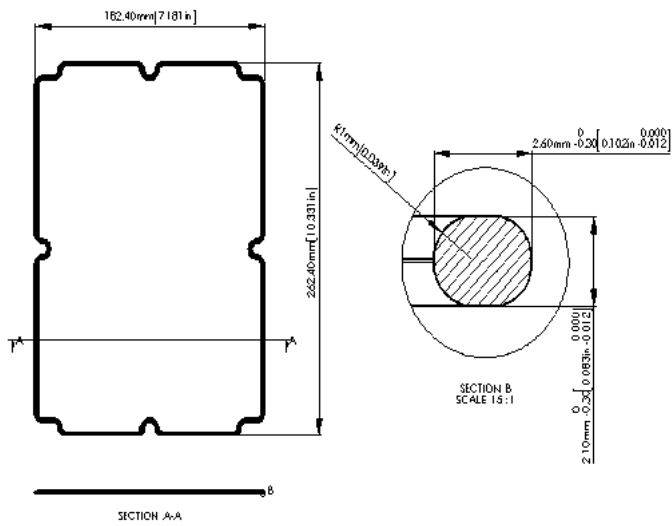


P2691SEAL / A3735SEAL

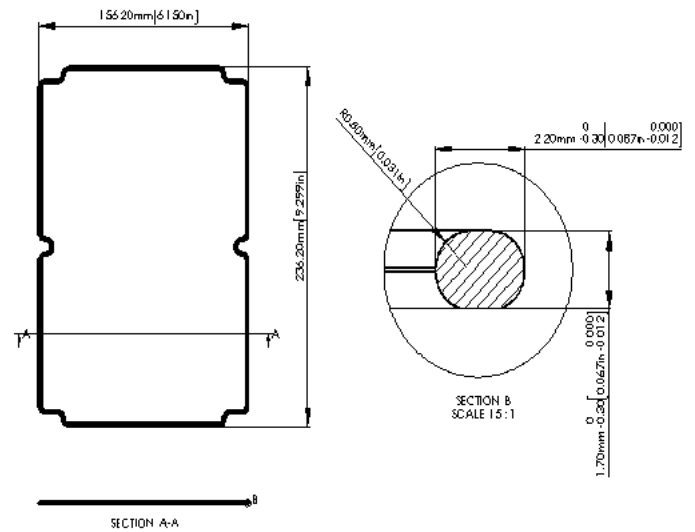


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120.0<L<=400.0mm	±0.5mm
400.0<L<=1000.0mm	±0.8mm

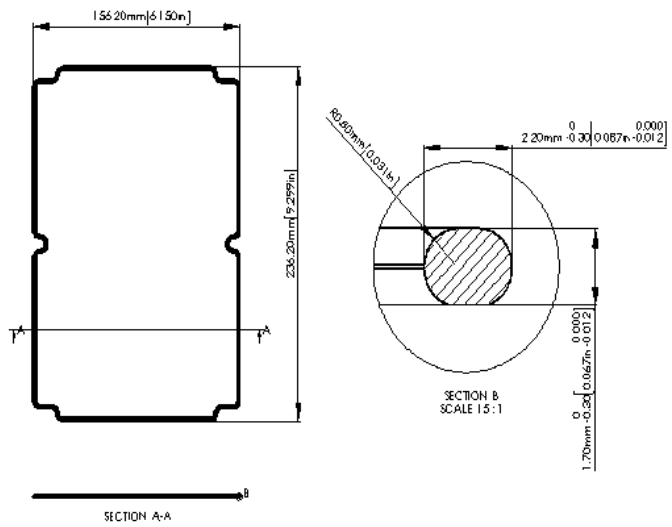
P2385SEAL / A3783SEAL



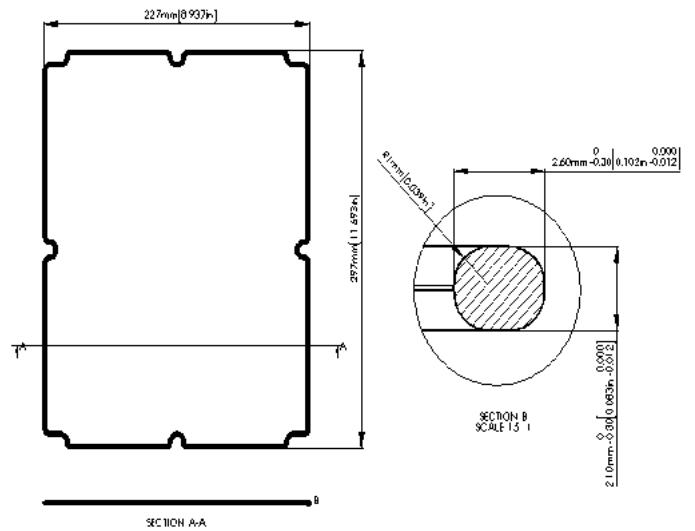
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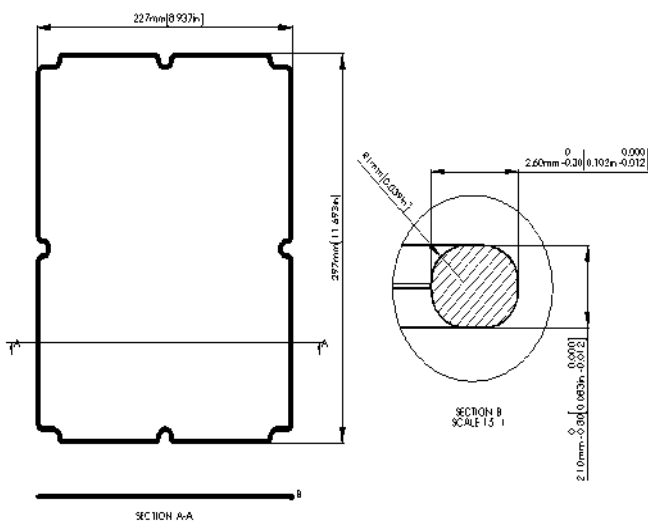
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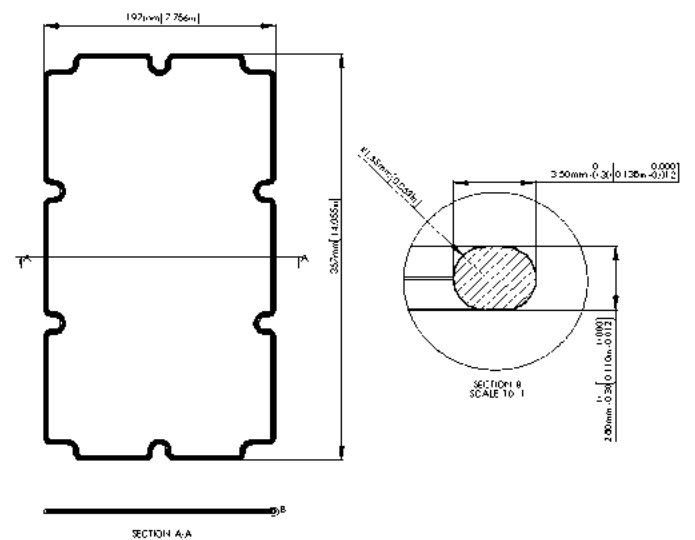
P20295SEAL / A30285SEAL



P20385SEAL / A30312SEAL



P20583SEAL / A30393SEAL



IP68 RATING POLYCARBONATE AND ABS ENCLOSURES



PRODUCT INFORMATION

- The lid and base incorporate a tongue and groove sealing system with continuous silicone seal.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Design to IP68 of IEC 529 (Dust and Hose proof).
- Bosses on internal base allow fixing of PCB's horizontally or connection of terminals with M3X4mm self-tapping screws.
- Internal guide slots for mounting PCB assemblies vertically.
- Available with clear or light grey lids.

PC

(P2XX-IP68)
(P2XXC-IP68)

- Material : Polycarbonate (UL94-HB)
- Moulded in : Light grey
- Operating temperature : -40°C to 120°C
- Clear lid is available on request

ABS

(A3XX-IP68)

- Material : High Impact ABS (UL94-HB)
- Moulded in : Dark grey
- Operating temperature : -20°C to 80°C



P203-IP68



P203C-IP68

MATERIAL : POLYCARBONATE		
Light Grey Lid + Light Grey Base	EXTERNAL DIMENSION (mm)	Clear Lid + Light Grey Base
ITEM NO.		ITEM NO.
P201-IP68	64 x 58 x 35	P201C-IP68
P203-IP68	115 x 65 x 40	P203C-IP68
P205-IP68	115 x 65 x 55	P205C-IP68
P212-IP68	115 x 90 x 55	P212C-IP68
P214-IP68	171 x 121 x 55	P214C-IP68
P218-IP68	222 x 146 x 55	P218C-IP68
P221-IP68	115 x 90 x 80	P221C-IP68
P223-IP68	171 x 121 x 80	P223C-IP68
P229-IP68	195 x 80 x 55	P229C-IP68
P232-IP68	222 x 146 x 75	P232C-IP68
P250-IP68	52 x 50 x 35	P250C-IP68
P256-IP68	82 x 80 x 55	P256C-IP68
P258-IP68	160 x 80 x 55	P258C-IP68
P265-IP68	160 x 80 x 85	P265C-IP68
P278-IP68	120 x 120 x 60	P278C-IP68
P279-IP68	120 x 120 x 90	P279C-IP68
P287-IP68	160 x 160 x 60	P287C-IP68
P288-IP68	160 x 160 x 90	P288C-IP68
P2691-IP68	200 x 120 x 75	P2691C-IP68
P2385-IP68	265 x 185 x 95	P2385C-IP68
P2018-IP68	240 x 160 x 90	P2018C-IP68
P2025-IP68	240 x 160 x 120	P2025C-IP68
P20295-IP68	300 x 230 x 86	P20295C-IP68
P20385-IP68	300 x 230 x 111	P20385C-IP68
P20583-IP68	360 x 200 x 150	P20583C-IP68

▲ Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts.

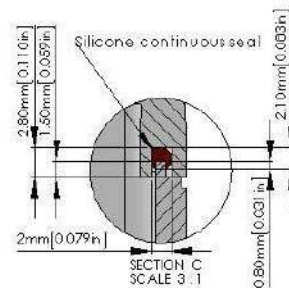
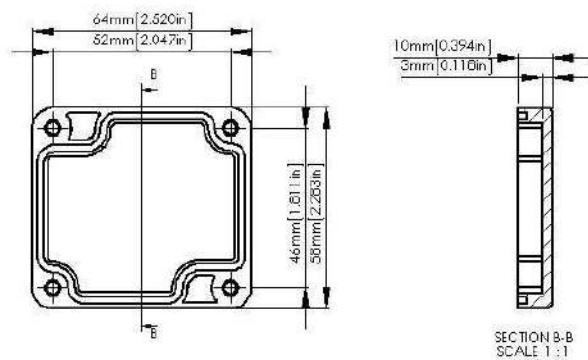
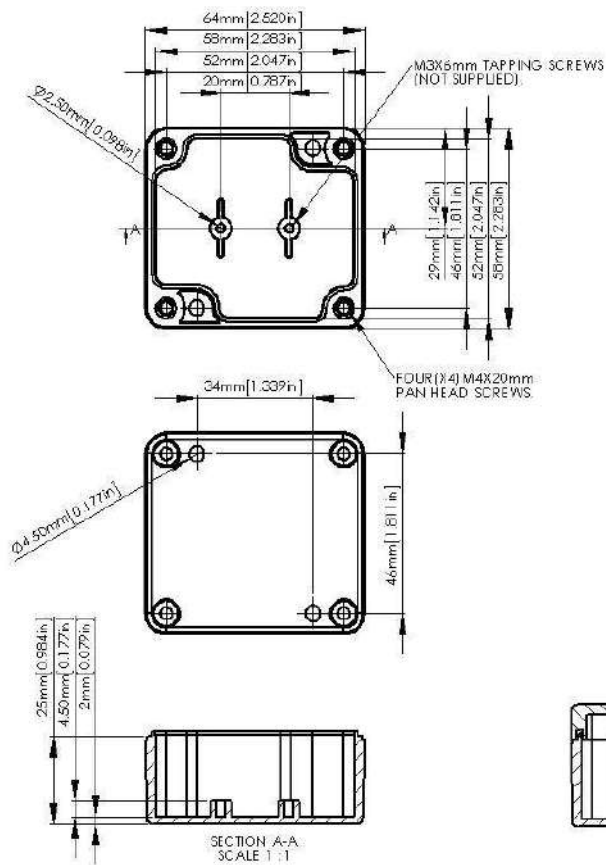


A304-IP68

MATERIAL : ABS	
Dark Grey Lid + Dark Grey Base	EXTERNAL DIMENSION (mm)
ITEM NO.	
A302-IP68	64 x 58 x 35
A304-IP68	115 x 65 x 40
A308-IP68	115 x 65 x 55
A311-IP68	115 x 90 x 55
A313-IP68	171 x 121 x 55
A317-IP68	222 x 146 x 55
A331-IP68	115 x 90 x 80
A340-IP68	171 x 121 x 80
A346-IP68	195 x 80 x 55
A353-IP68	222 x 146 x 75
A362-IP68	52 x 50 x 35
A366-IP68	82 x 80 x 55
A368-IP68	160 x 80 x 55
A369-IP68	160 x 80 x 85
A386-IP68	120 x 120 x 60
A387-IP68	120 x 120 x 90
A396-IP68	160 x 160 x 60
A399-IP68	160 x 160 x 90
A3735-IP68	200 x 120 x 75
A3783-IP68	265 x 185 x 95
A3008-IP68	240 x 160 x 90
A3019-IP68	240 x 160 x 120
A30285-IP68	300 x 230 x 86
A30312-IP68	300 x 230 x 111
A30393-IP68	360 x 200 x 150

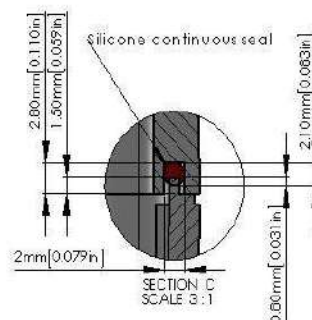
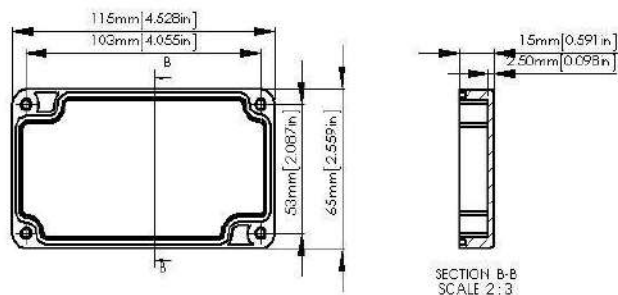
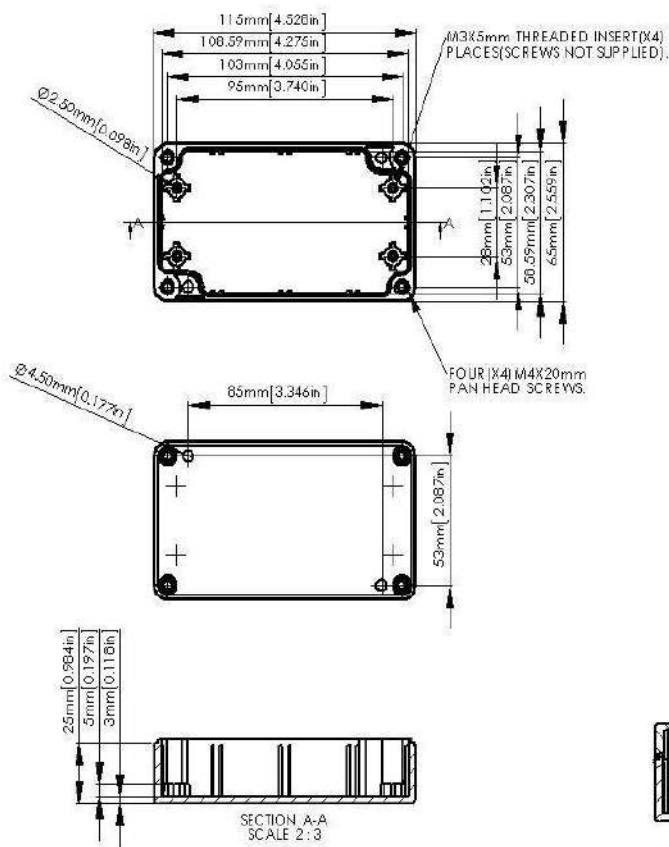
▲ Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts.

P201-IP68 / P201C-IP68 / A302-IP68



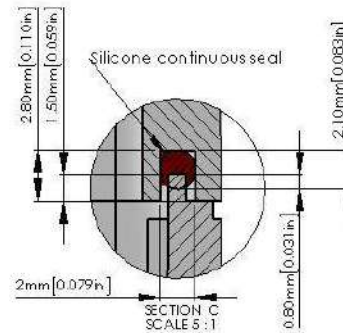
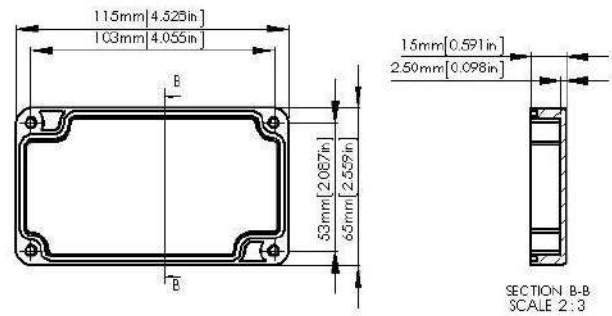
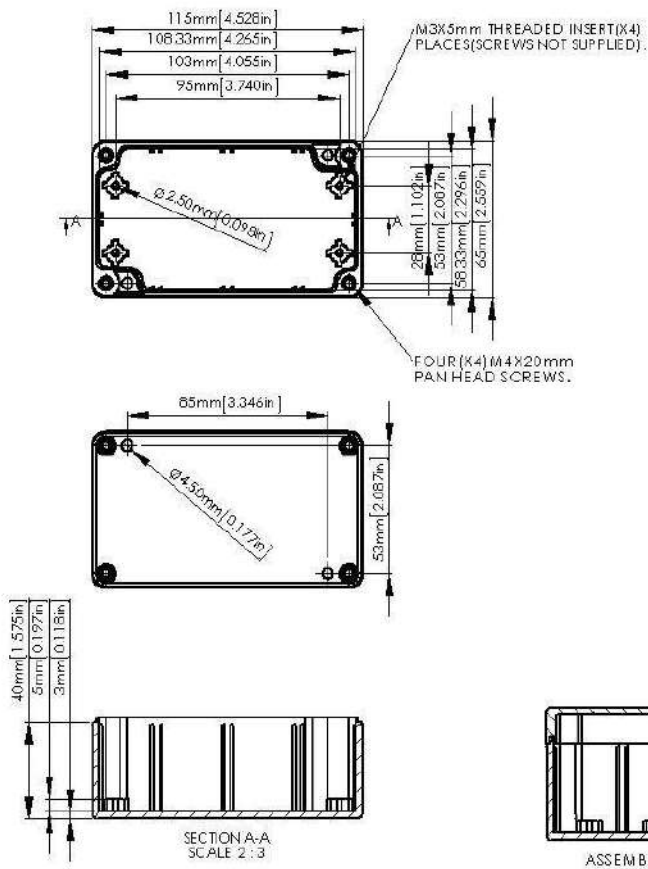
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3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P203-IP68 / P203C-IP68 / A304-IP68



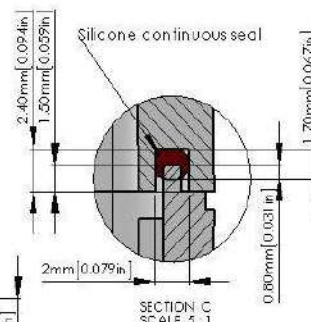
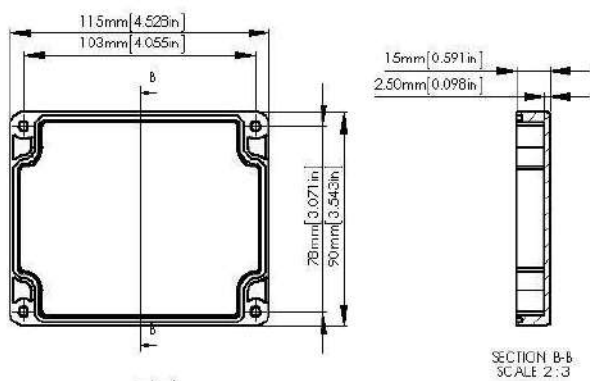
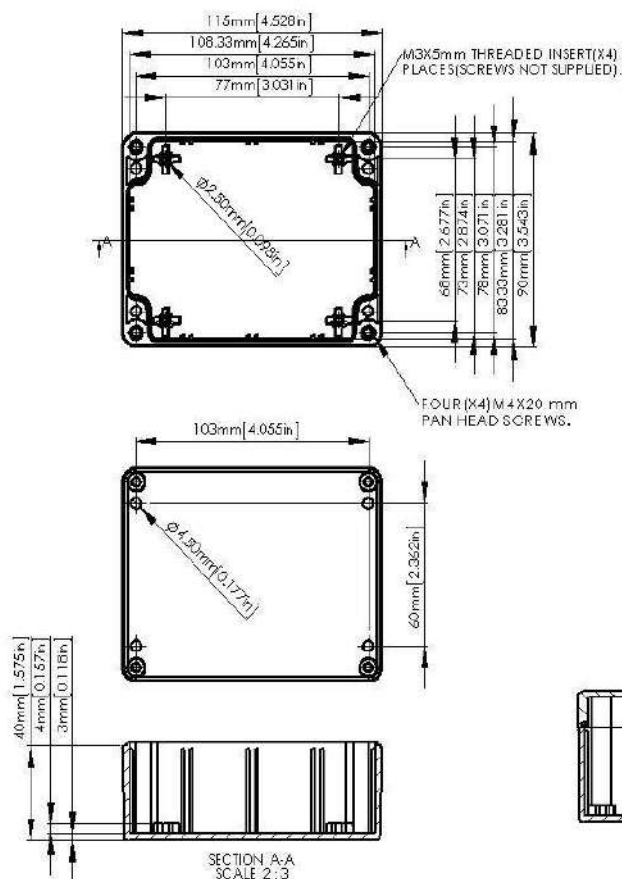
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3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P205-IP68 / P205C-IP68 / A308-IP68



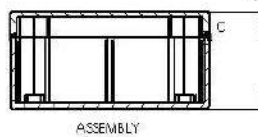
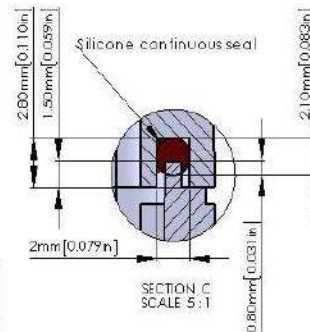
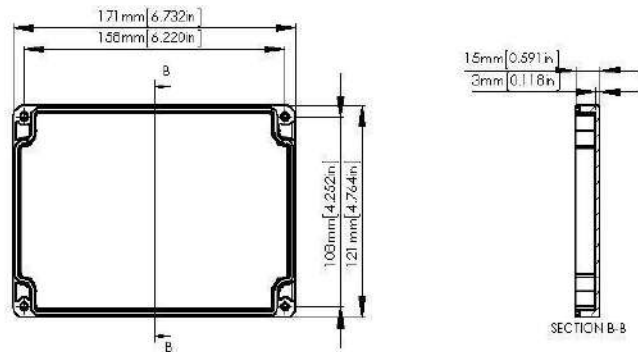
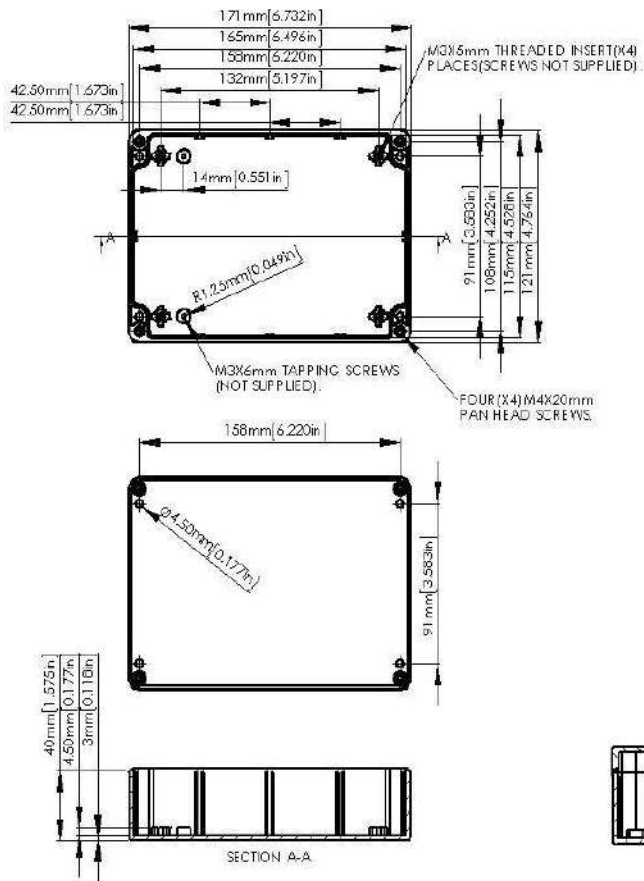
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3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P212-IP68 / P212C-IP68 / A311-IP68



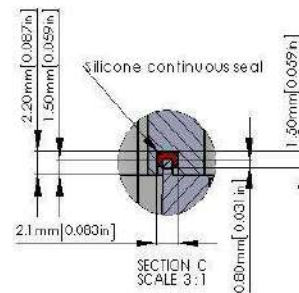
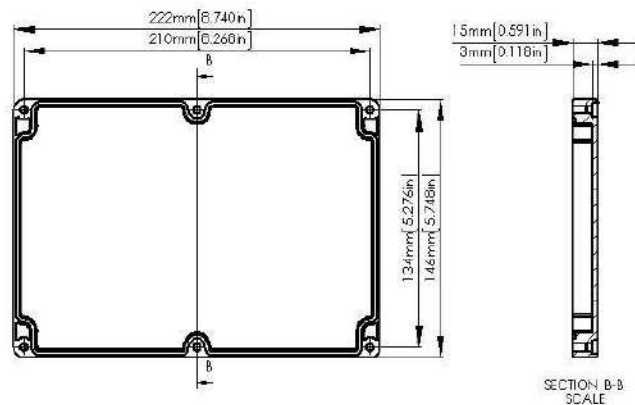
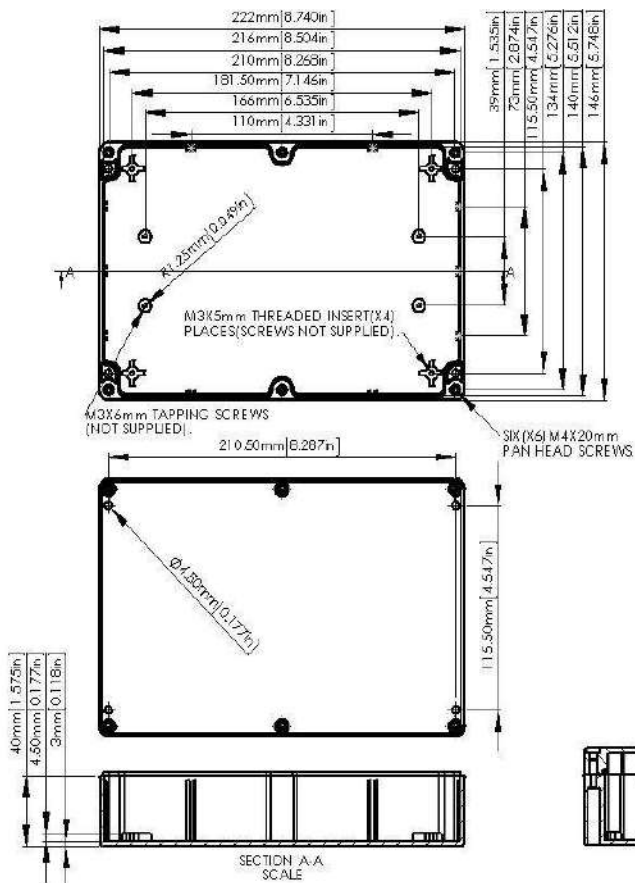
According to ISO 2768-m	
Measuring DIM=L	Tolerances
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3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P214-IP68 / P214C-IP68 / A313-IP68



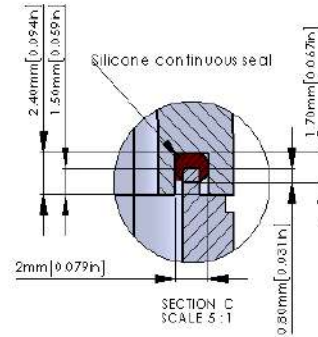
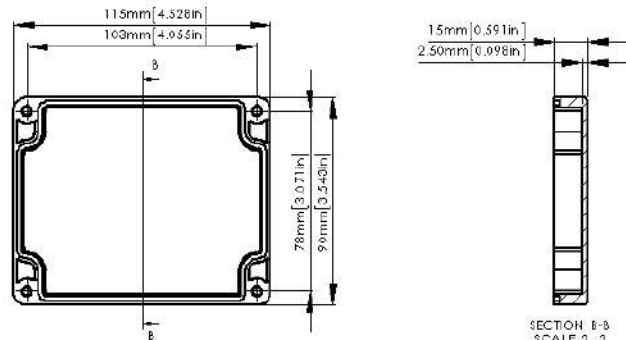
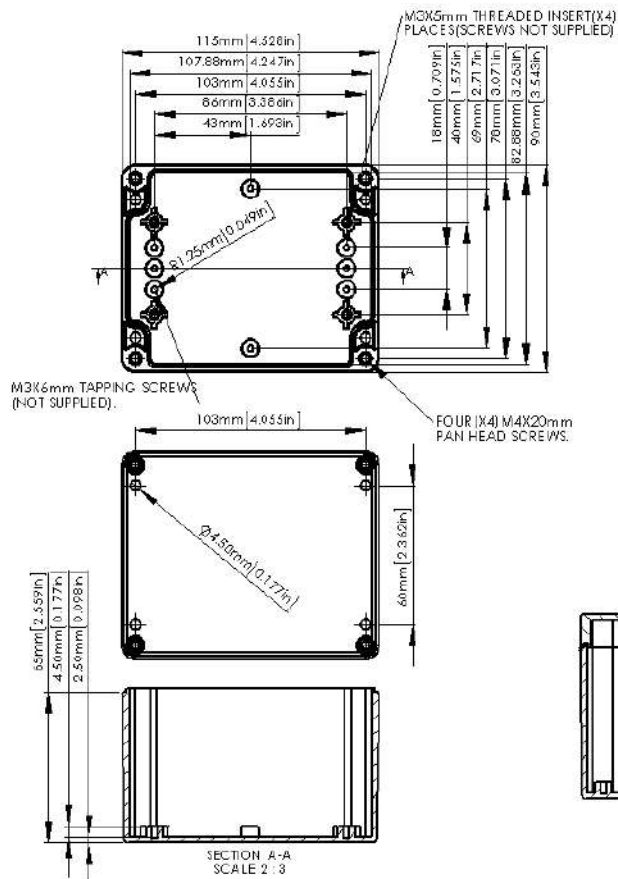
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3.0<L≤6.0mm	±0.1mm
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30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P218-IP68 / P218C-IP68 / A317-IP68



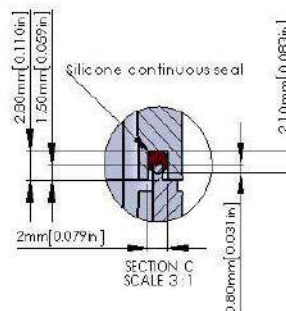
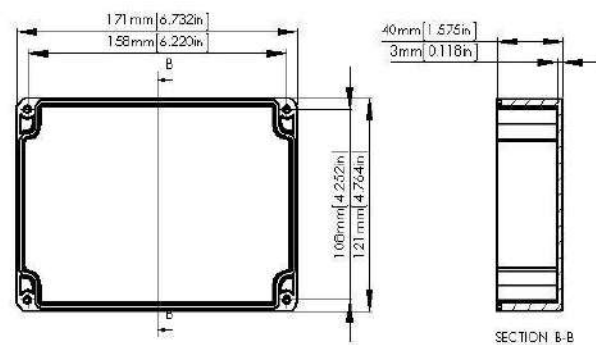
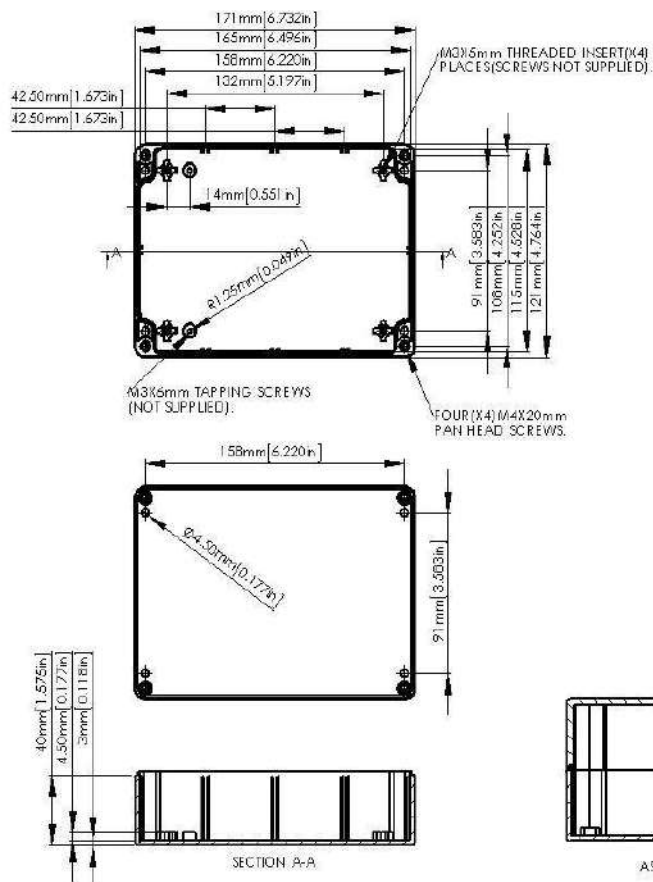
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P221-IP68 / P221C-IP68 / A331-IP68



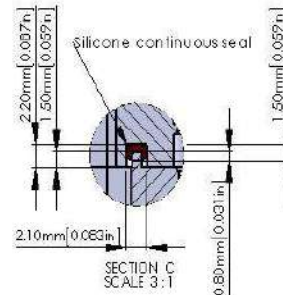
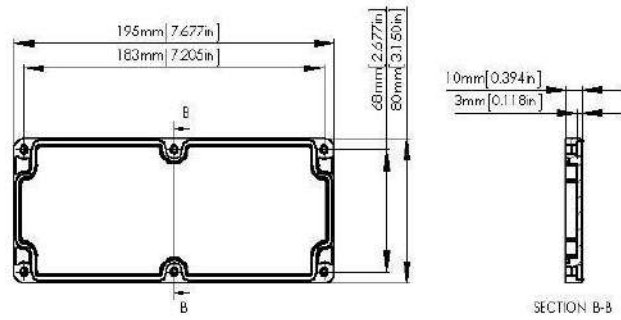
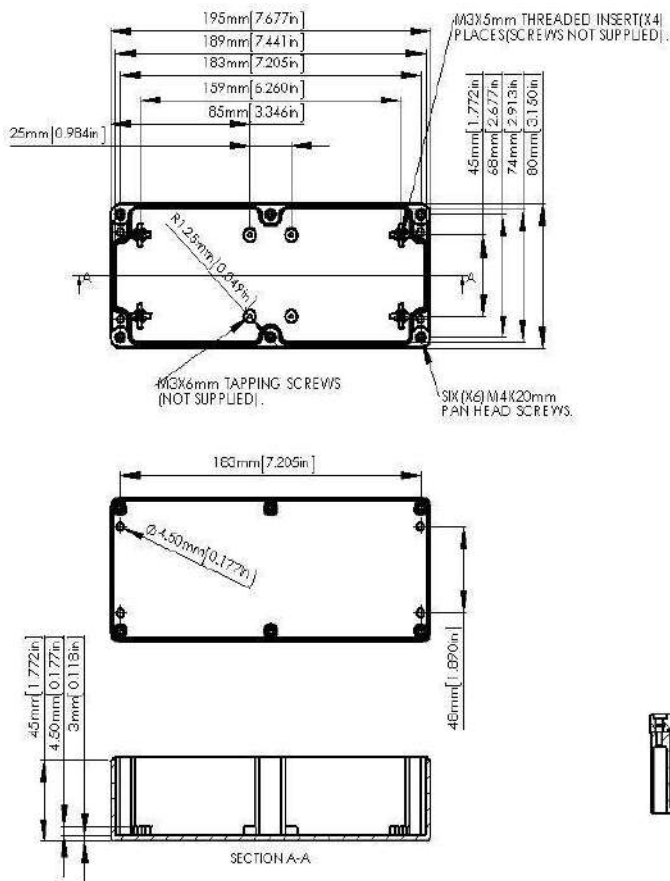
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P223-IP68 / P223C-IP68 / A340-IP68



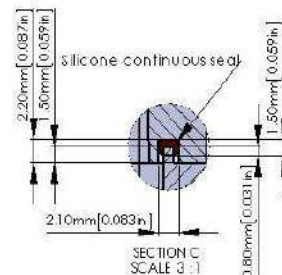
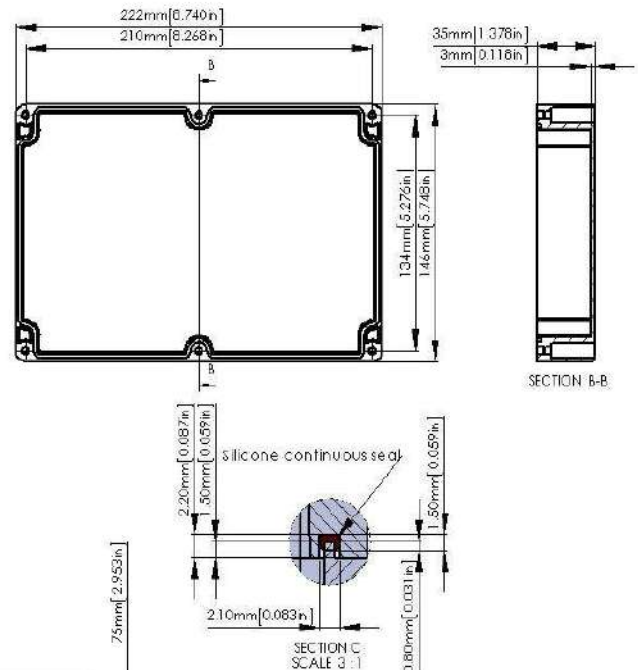
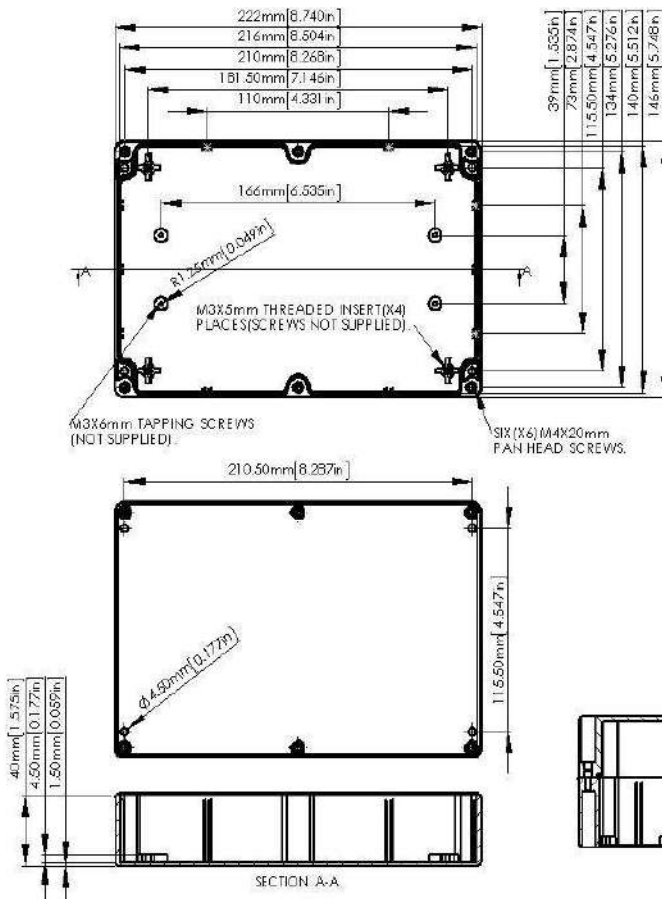
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P229-IP68 / P229C-IP68 / A346-IP68



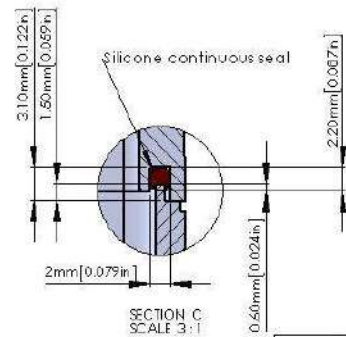
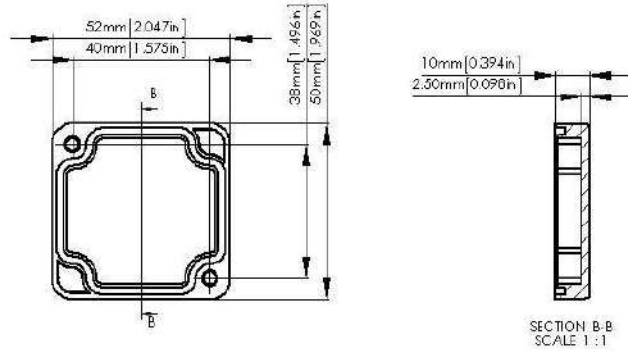
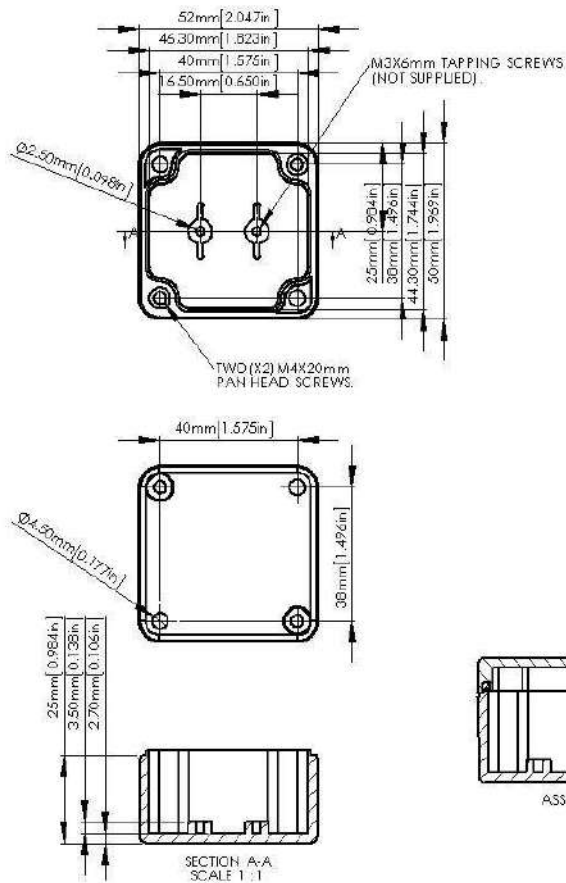
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P232-IP68 / P232C-IP68 / A353-IP68



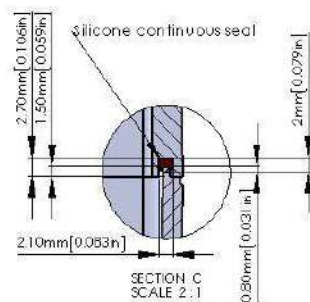
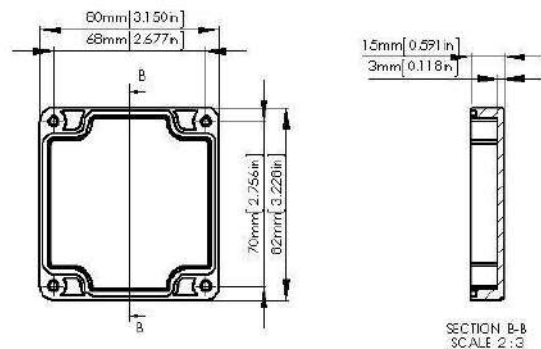
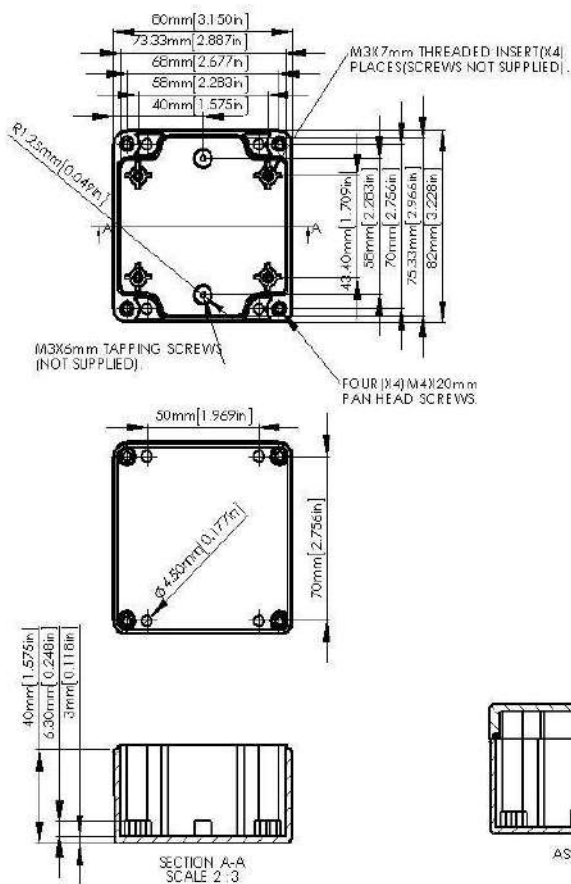
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P250-IP68 / P250C-IP68 / A362-IP68



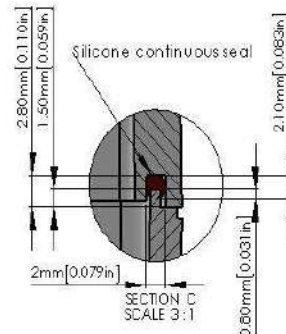
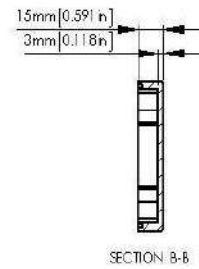
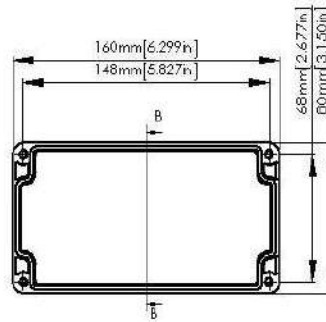
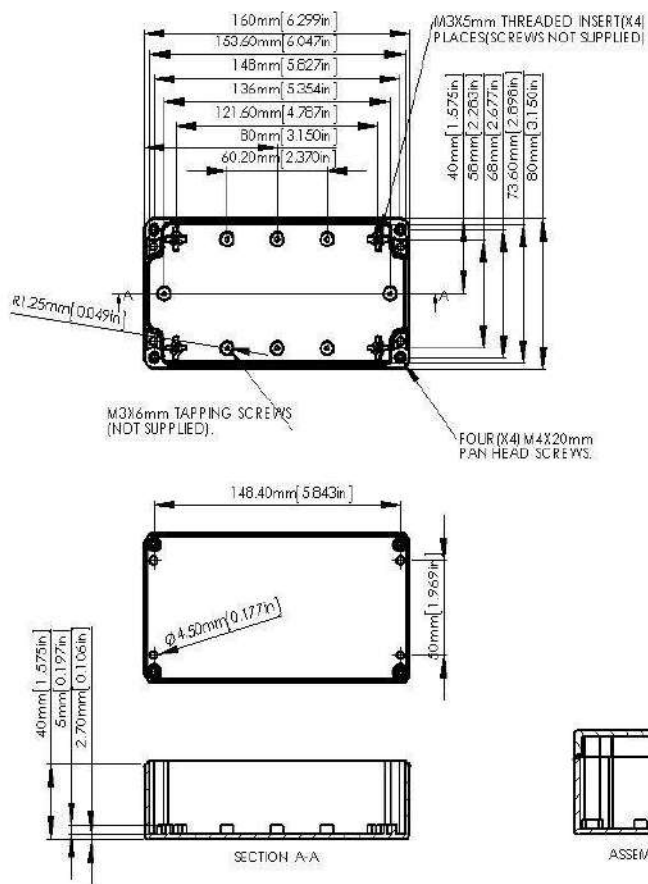
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0mm	±0.1mm
6.0<L<=30.0mm	±0.2mm
30.0<L<=120.0mm	±0.3mm
120.0<L<=400.0mm	±0.5mm
400.0<L<=1000.0mm	±0.8mm

P256-IP68 / P256C-IP68 / A366-IP68



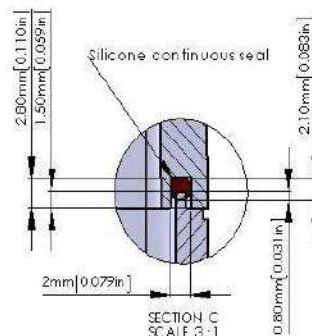
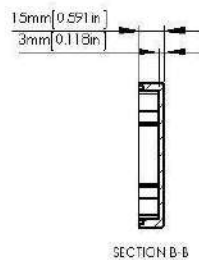
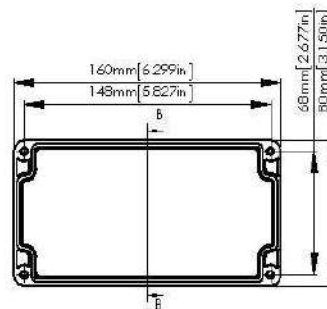
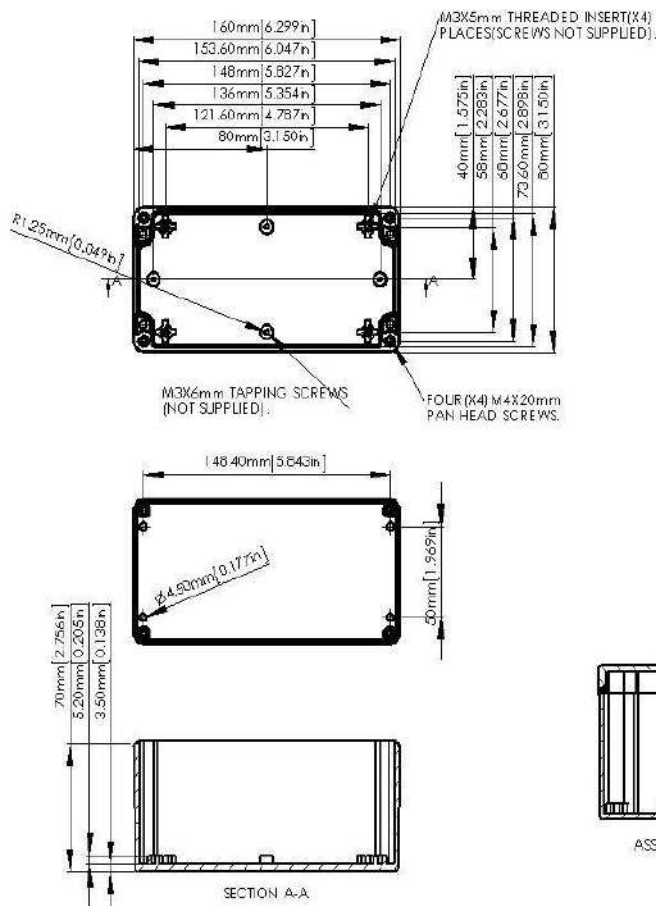
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0mm	±0.1mm
6.0<L<=30.0mm	±0.2mm
30.0<L<=120.0mm	±0.3mm
120.0<L<=400.0mm	±0.5mm
400.0<L<=1000.0mm	±0.8mm

P258-IP68 / P258C-IP68 / A368-IP68



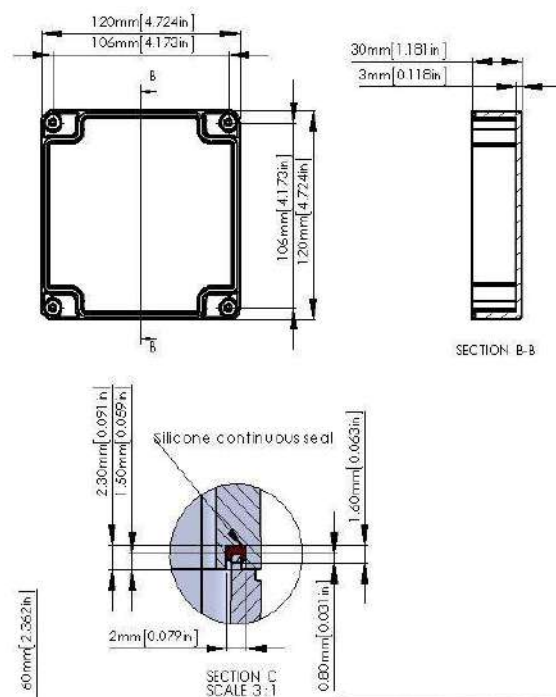
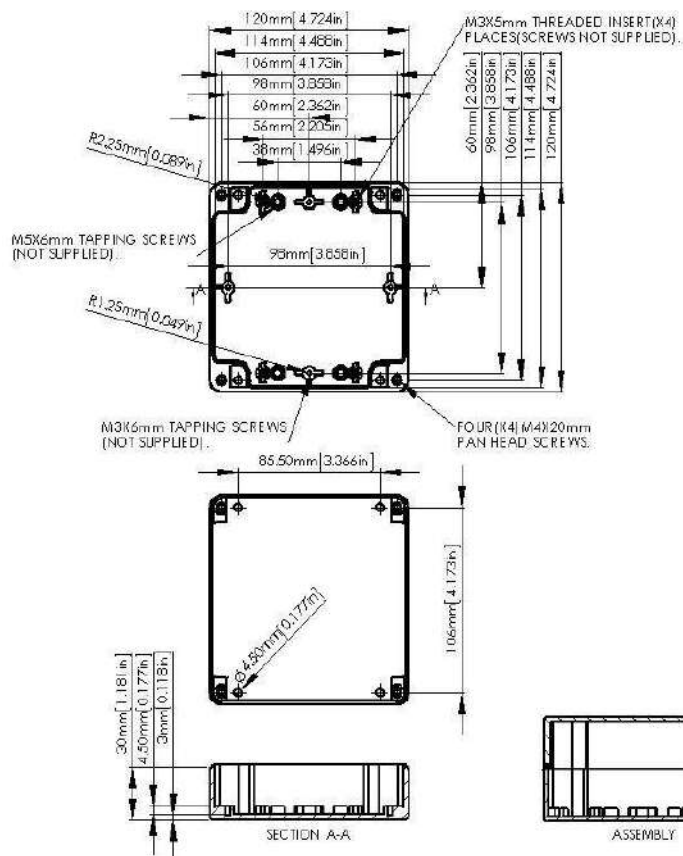
According to ISO 2768-m	
Measuring DIM-L	Tolerances
0.5 < L ≤ 3.0 mm	±0.1 mm
3.0 < L ≤ 6.0 mm	±0.1 mm
6.0 < L ≤ 30.0 mm	±0.2 mm
30.0 < L ≤ 120.0 mm	±0.3 mm
120.0 < L ≤ 400.0 mm	±0.5 mm
400.0 < L ≤ 1000.0 mm	±0.8 mm

P265-IP68 / P265C-IP68 / A369-IP68



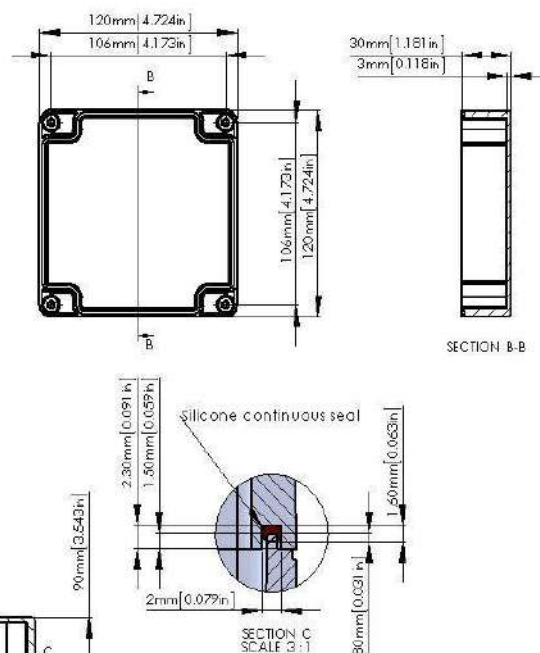
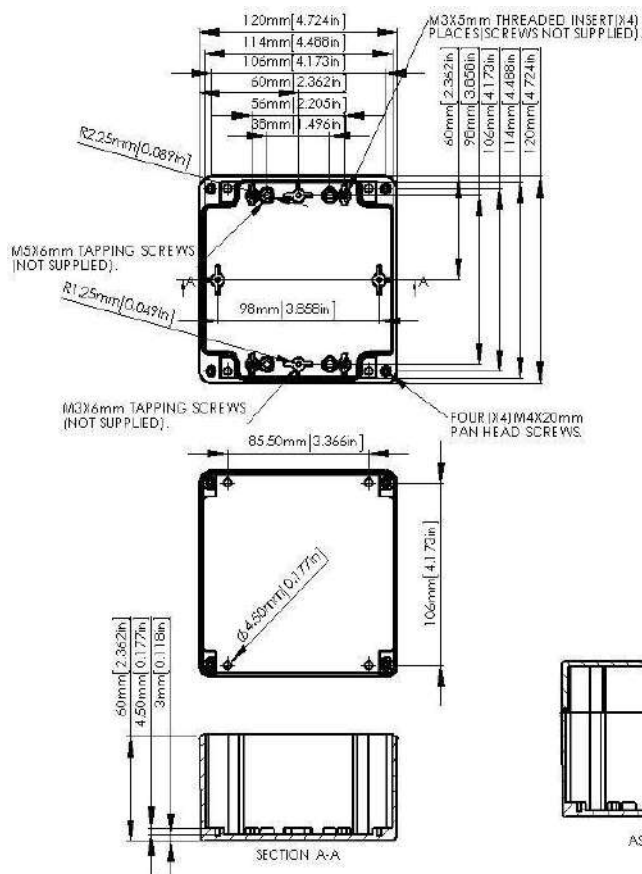
According to ISO 2768-m	
Measuring DIM-L	Tolerances
0.5 < L ≤ 3.0 mm	±0.1 mm
3.0 < L ≤ 6.0 mm	±0.1 mm
6.0 < L ≤ 30.0 mm	±0.2 mm
30.0 < L ≤ 120.0 mm	±0.3 mm
120.0 < L ≤ 400.0 mm	±0.5 mm
400.0 < L ≤ 1000.0 mm	±0.8 mm

P278-IP68 / P278C-IP68 / A386-IP68



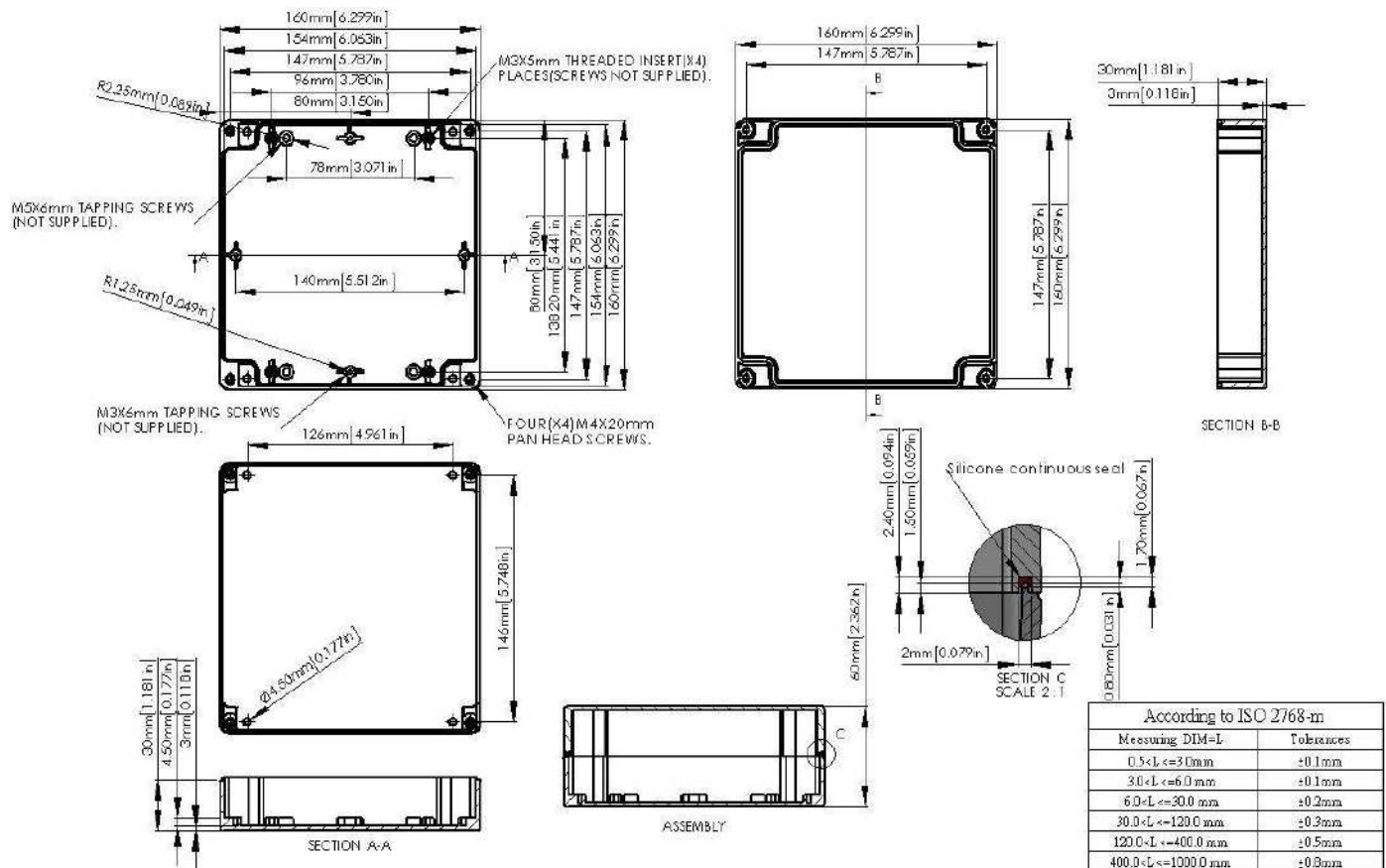
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

P279-IP68 / P279C-IP68 / A387-IP68

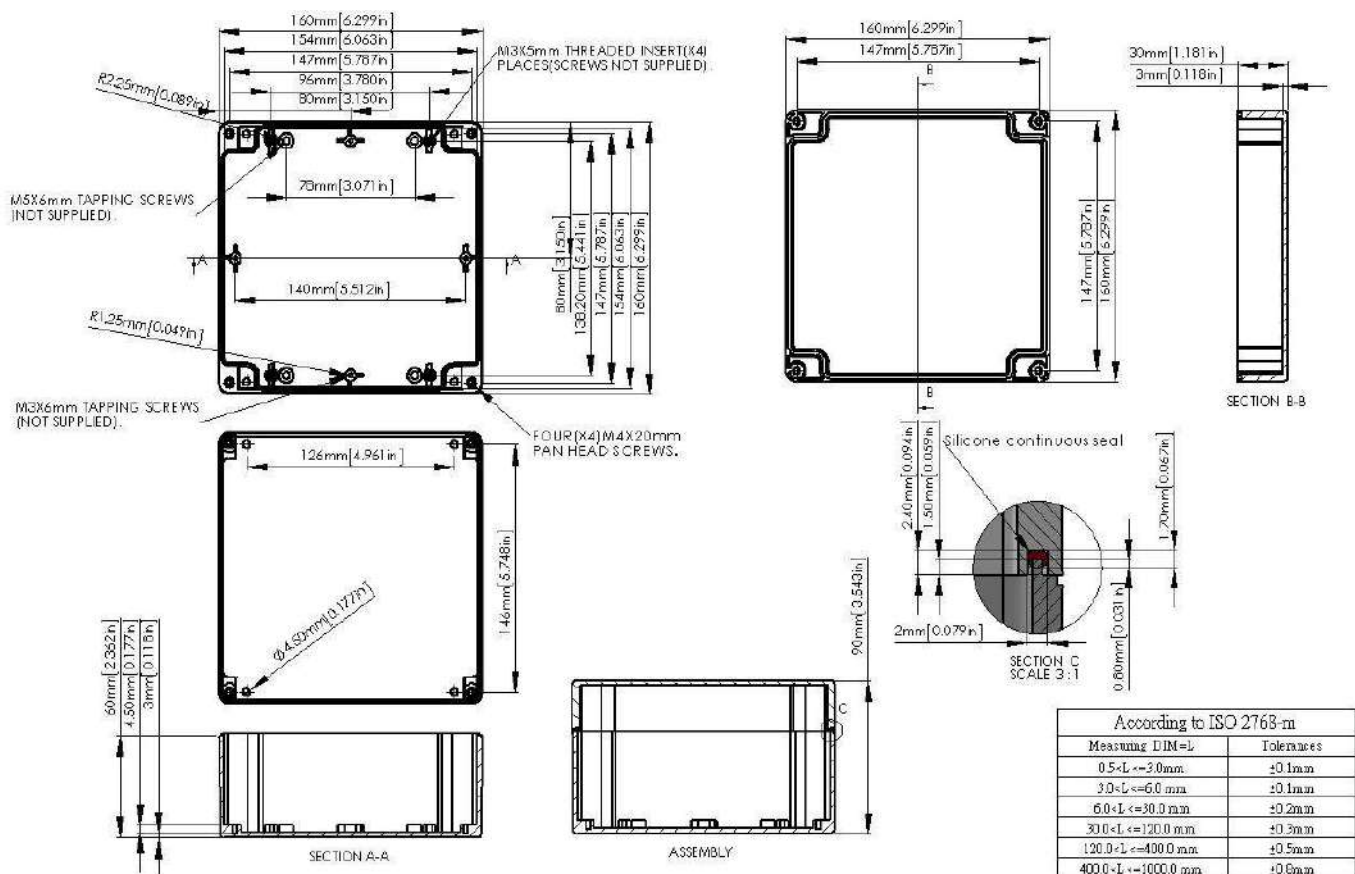


According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

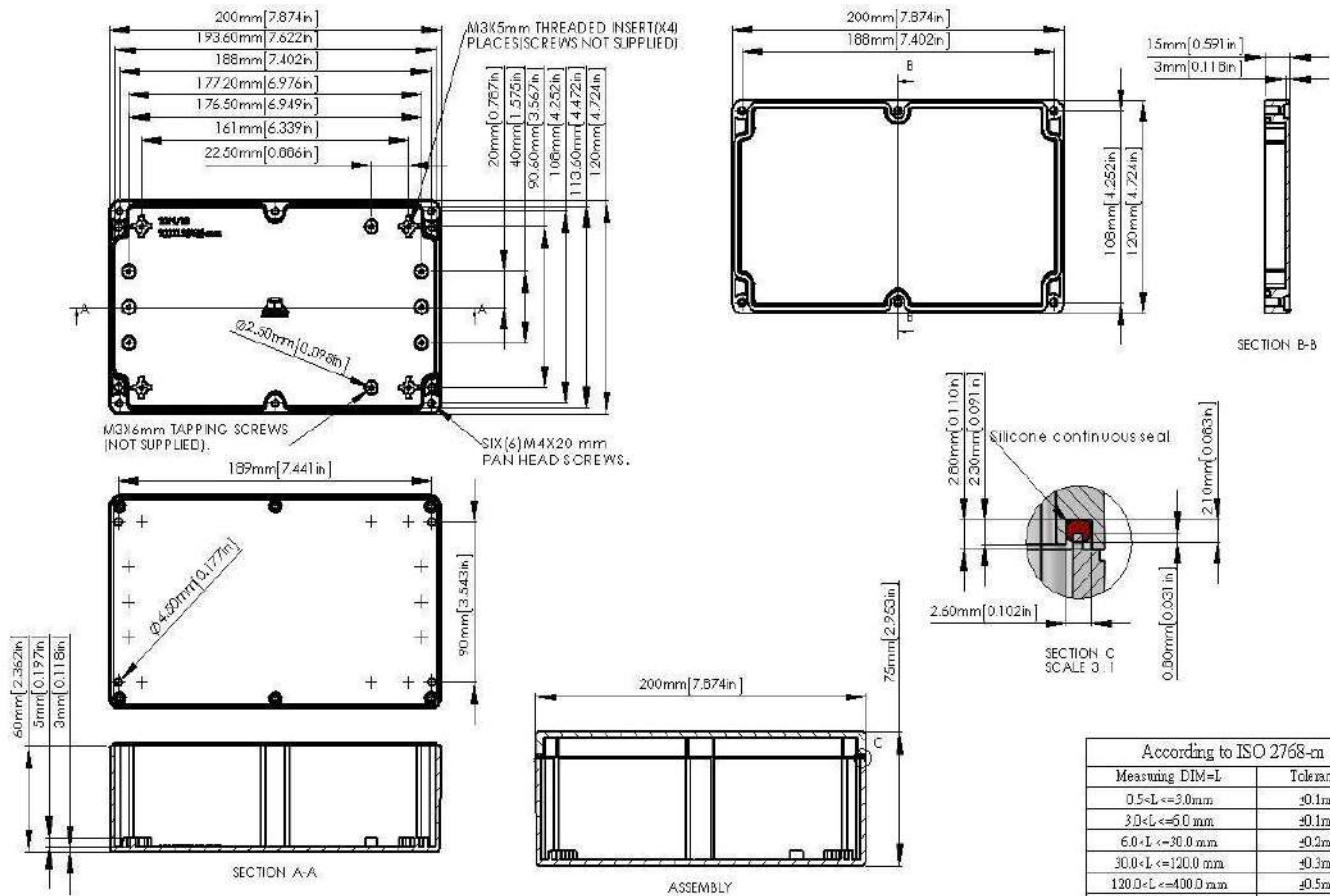
P287-IP68 / P287C-IP68 / A396-IP68



P288-IP68 / P288C-IP68 / A399-IP68



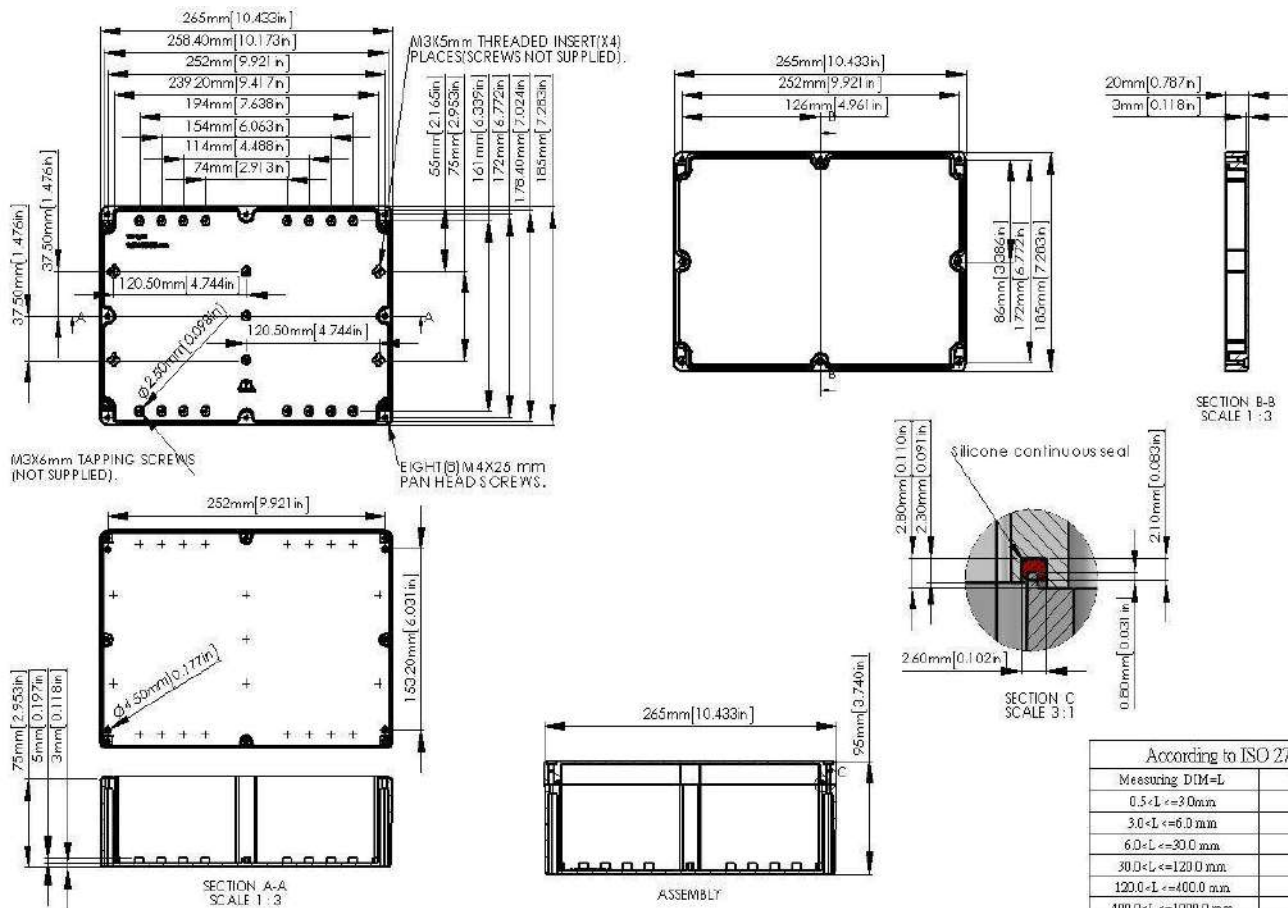
P2691-IP68 / P2691C-IP68 / A3735-IP68



According to ISO 2768-m

Measuring DIM=L	Tolerances
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3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

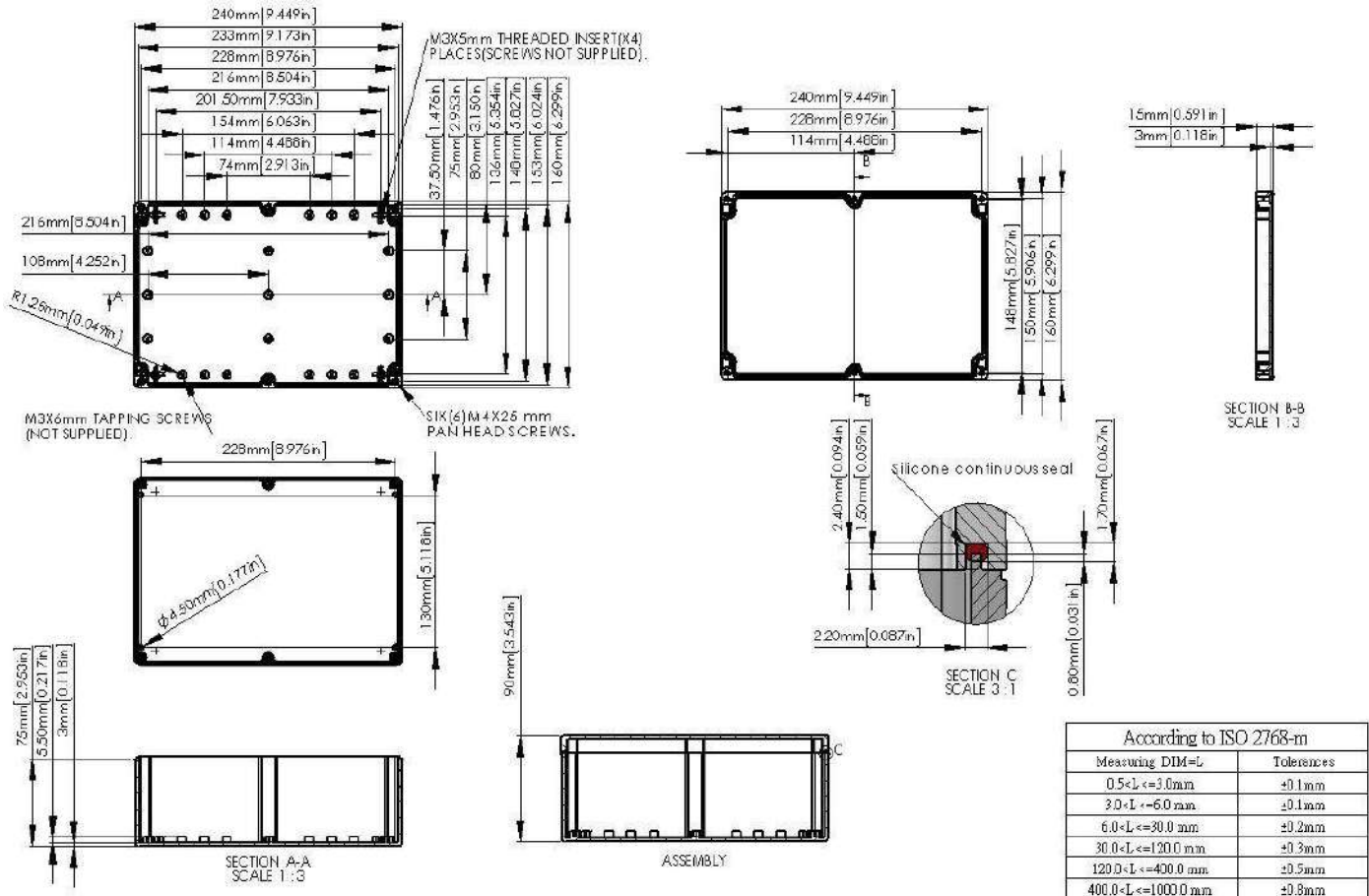
P2385-IP68 / P2385C-IP68 / A3783-IP68



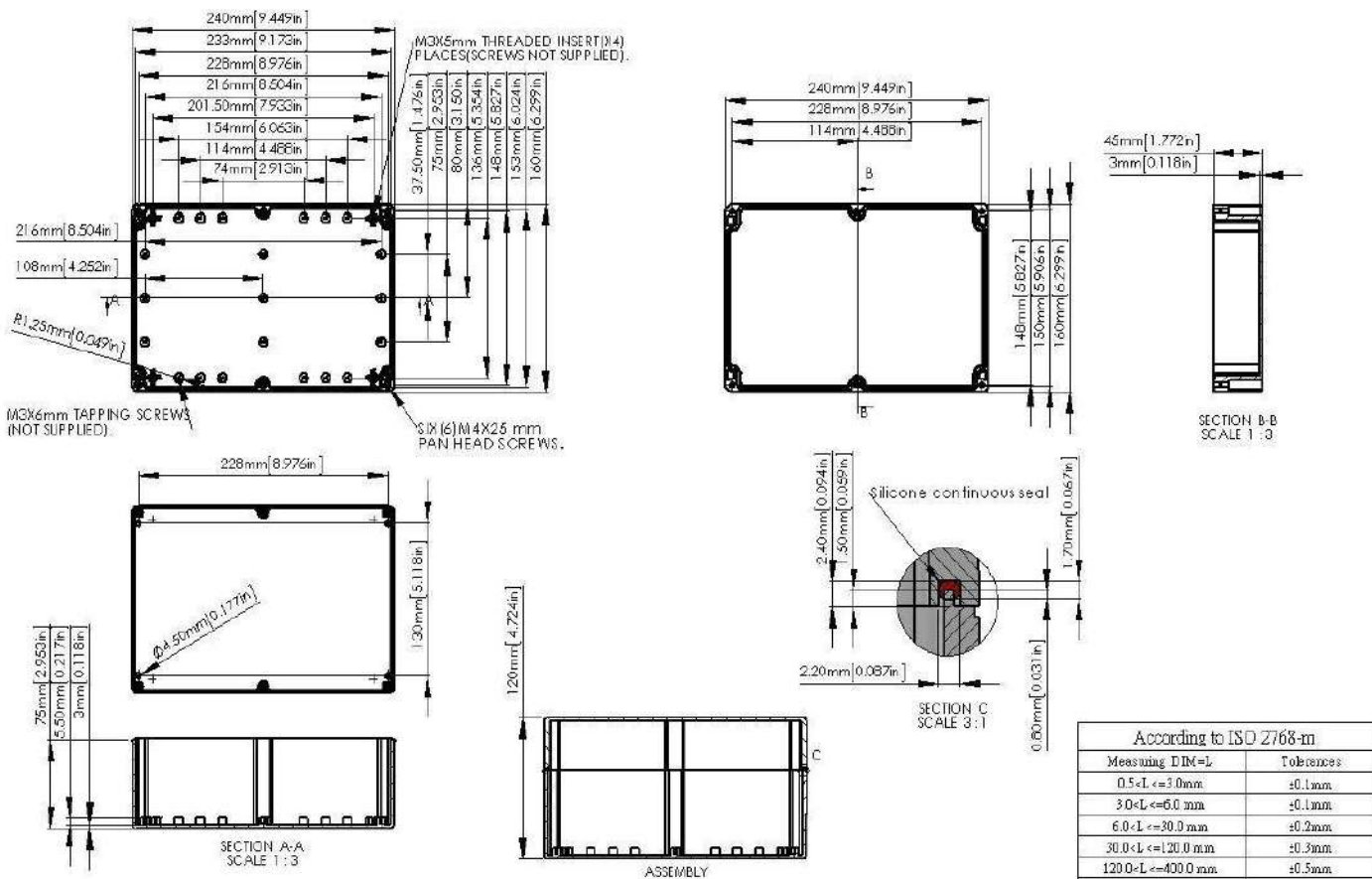
According to ISO 2768-m

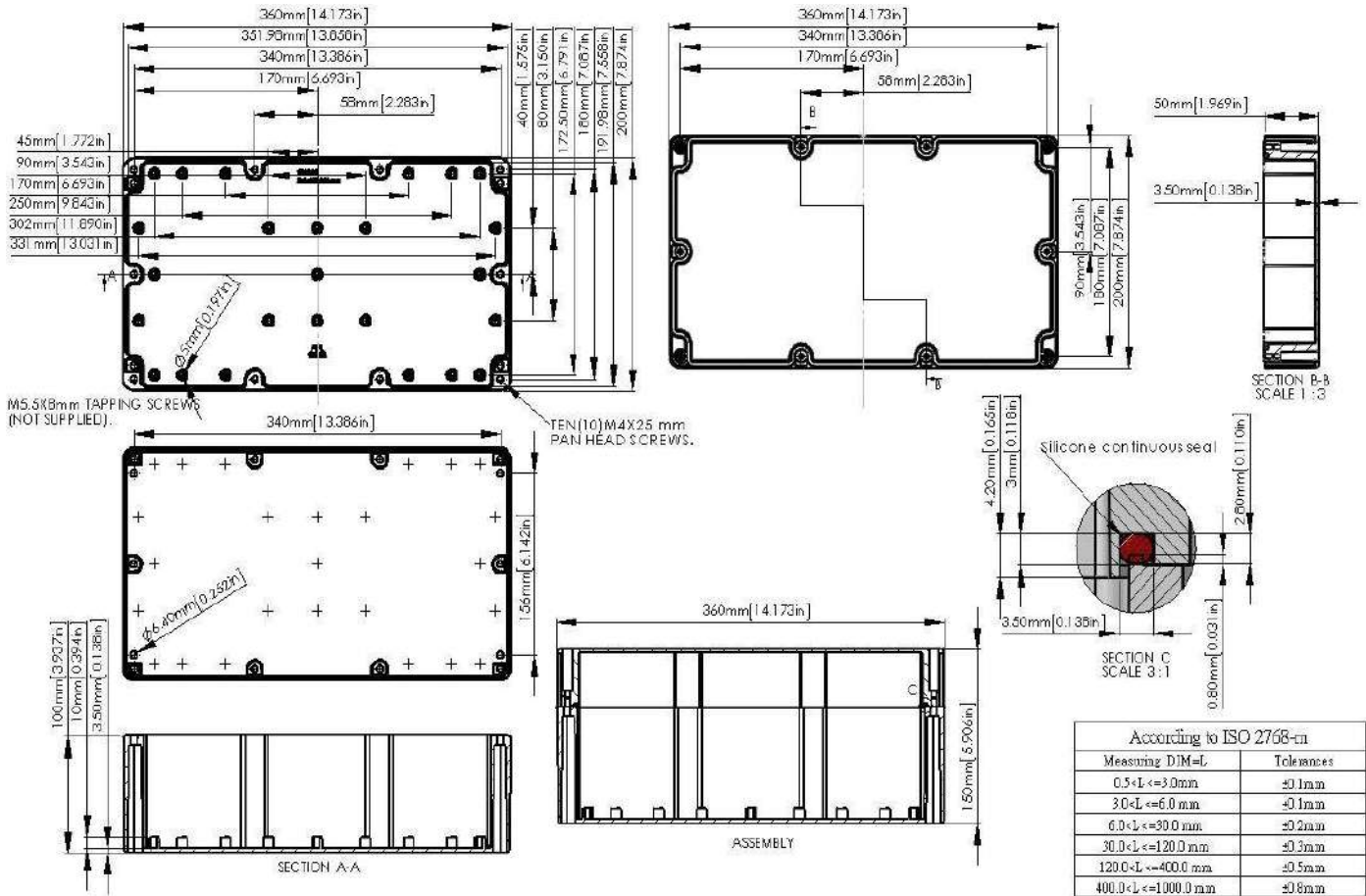
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm

P2018-IP68 / P2018C-IP68 / A3008-IP68



P2025-IP68 / P2025C-IP68 / A3019-IP68





IP68 RATING POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE



PRODUCT INFORMATION

- The lid and base incorporate a tongue and groove sealing system with continuous silicone seal.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Design to IP68 of IEC 529 (Dust and Hose proof).
- Bosses on internal base allow fixing of PCB's horizontally or connection of terminals with M3X4mm self-tapping screws.
- Internal guide slots for mounting PCB assemblies vertically.
- Available with clear or light grey lids.

PC

(P2XXMF-IP68)
(P2XXCMF-IP68)

- Material : Polycarbonate (UL94-HB)
- Moulded in : Light grey
- Operating temperature : -40°C to 120°C
- Clear lid is available on request

ABS

(A3XXMF-IP68)

- Material : High Impact ABS (UL94-HB)
- Moulded in : Dark grey
- Operating temperature : -20°C to 80°C



P203MF-IP68



P203CMF-IP68

MATERIAL : POLYCARBONATE		
Light Grey Lid + Light Grey Base	EXTERNAL DIMENSION (mm)	Clear Lid + Light Grey Base
ITEM NO.		ITEM NO.
P200MF-IP68	90 x 35 x 35	P200CMF-IP68
P201MF-IP68	64 x 58 x 35	P201CMF-IP68
P203MF-IP68	115 x 65 x 40	P203CMF-IP68
P205MF-IP68	115 x 65 x 55	P205CMF-IP68
P212MF-IP68	115 x 90 x 55	P212CMF-IP68
P214MF-IP68	171 x 121 x 55	P214CMF-IP68
P218MF-IP68	222 x 146 x 55	P218CMF-IP68
P221MF-IP68	115 x 90 x 80	P221CMF-IP68
P223MF-IP68	171 x 121 x 80	P223CMF-IP68
P232MF-IP68	222 x 146 x 75	P232CMF-IP68
P250MF-IP68	52 x 50 x 35	P250CMF-IP68
P256MF-IP68	82 x 80 x 55	P256CMF-IP68
P258MF-IP68	160 x 80 x 55	P258CMF-IP68
P265MF-IP68	160 x 80 x 85	P265CMF-IP68
P278MF-IP68	120 x 120 x 60	P278CMF-IP68
P279MF-IP68	120 x 120 x 90	P279CMF-IP68
P2691MF-IP68	200 x 120 x 75	P2691CMF-IP68
P2385MF-IP68	265 x 185 x 95	P2385CMF-IP68

▲ Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts.

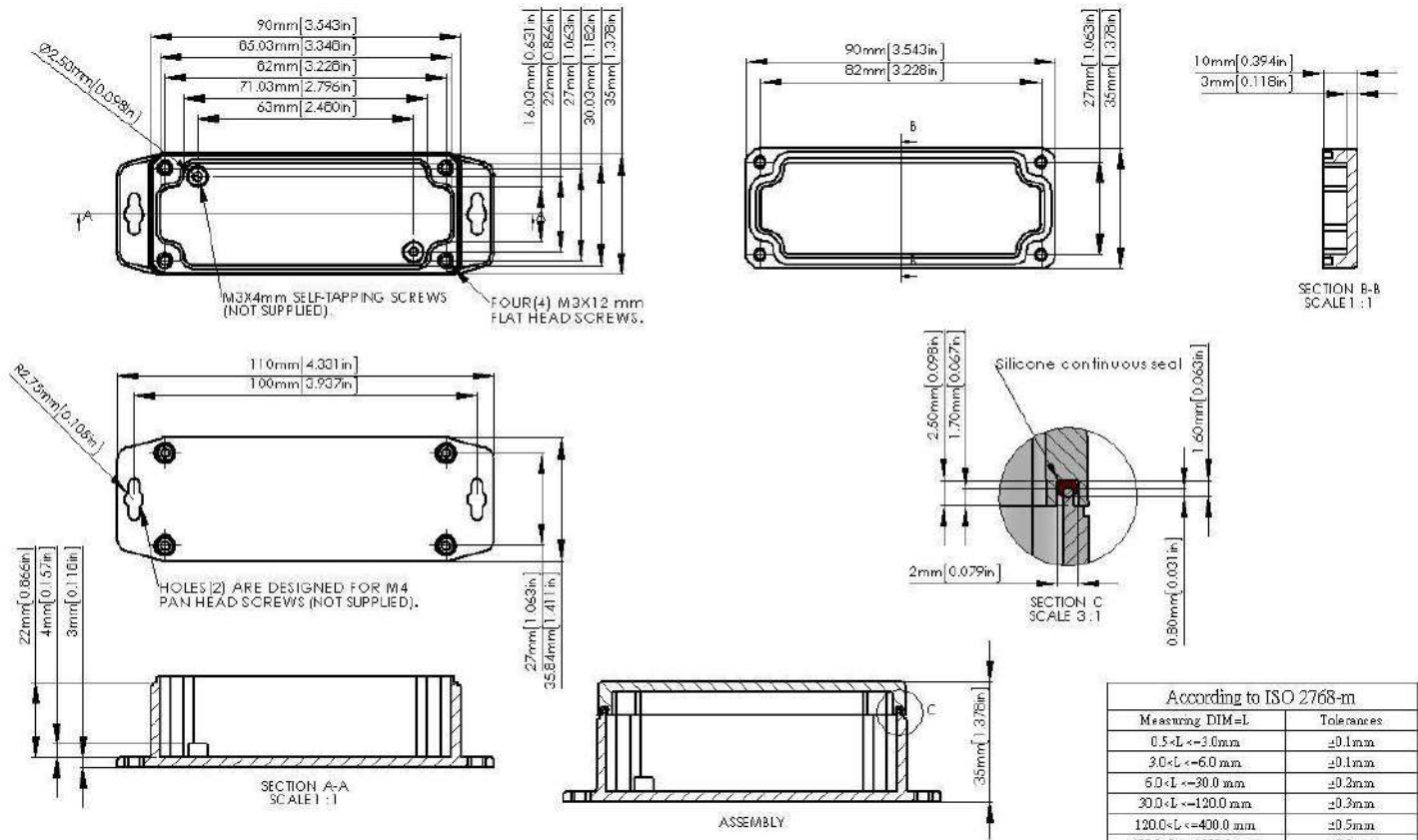


A304MF-IP68

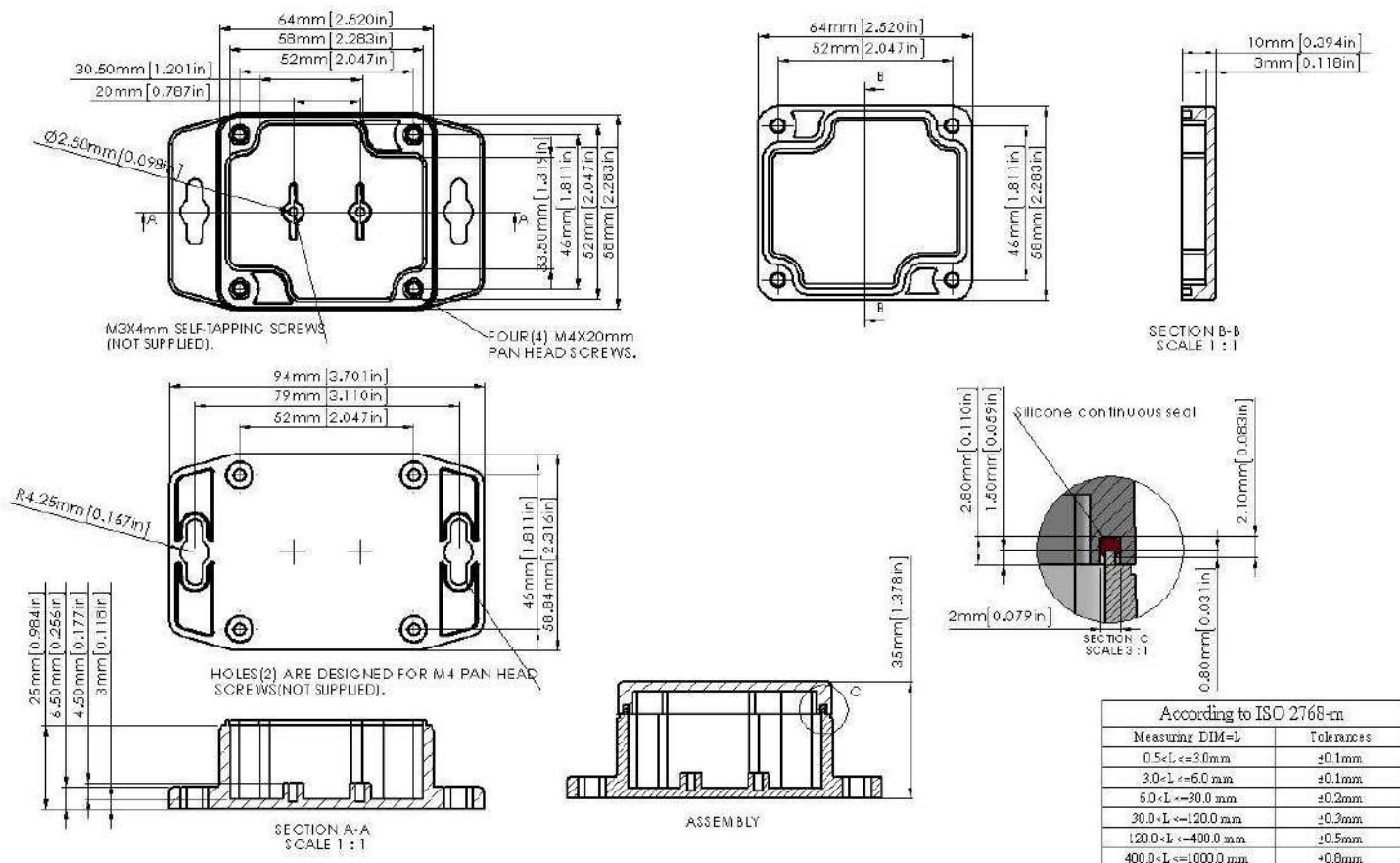
MATERIAL : ABS	
Dark Grey Lid + Dark Grey Base	EXTERNAL DIMENSION (mm)
ITEM NO.	
A300MF-IP68	90 x 35 x 35
A302MF-IP68	64 x 58 x 35
A304MF-IP68	115 x 65 x 40
A308MF-IP68	115 x 65 x 55
A311MF-IP68	115 x 90 x 55
A313MF-IP68	171 x 121 x 55
A317MF-IP68	222 x 146 x 55
A331MF-IP68	115 x 90 x 80
A340MF-IP68	171 x 121 x 80
A353MF-IP68	222 x 146 x 75
A362MF-IP68	52 x 50 x 35
A366MF-IP68	82 x 80 x 55
A368MF-IP68	160 x 80 x 55
A369MF-IP68	160 x 80 x 85
A386MF-IP68	120 x 120 x 60
A387MF-IP68	120 x 120 x 90
A3735MF-IP68	200 x 120 x 75
A3783MF-IP68	265 x 185 x 95

▲ Lid fixing screws are M4 stainless steel (non-magnetic) into threaded brass inserts.

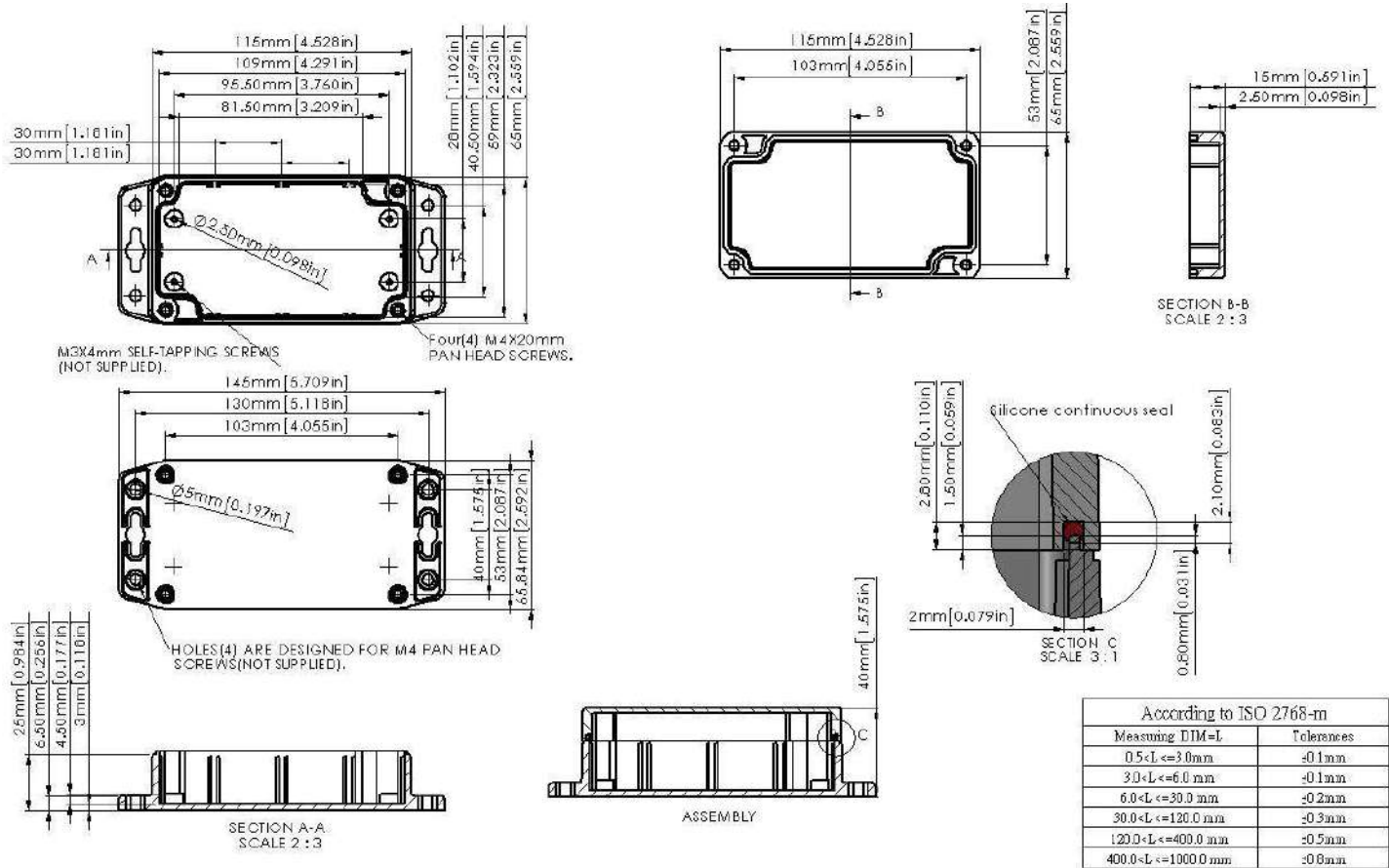
P200MF-IP68 / P200CMF-IP68 / A300MF-IP68



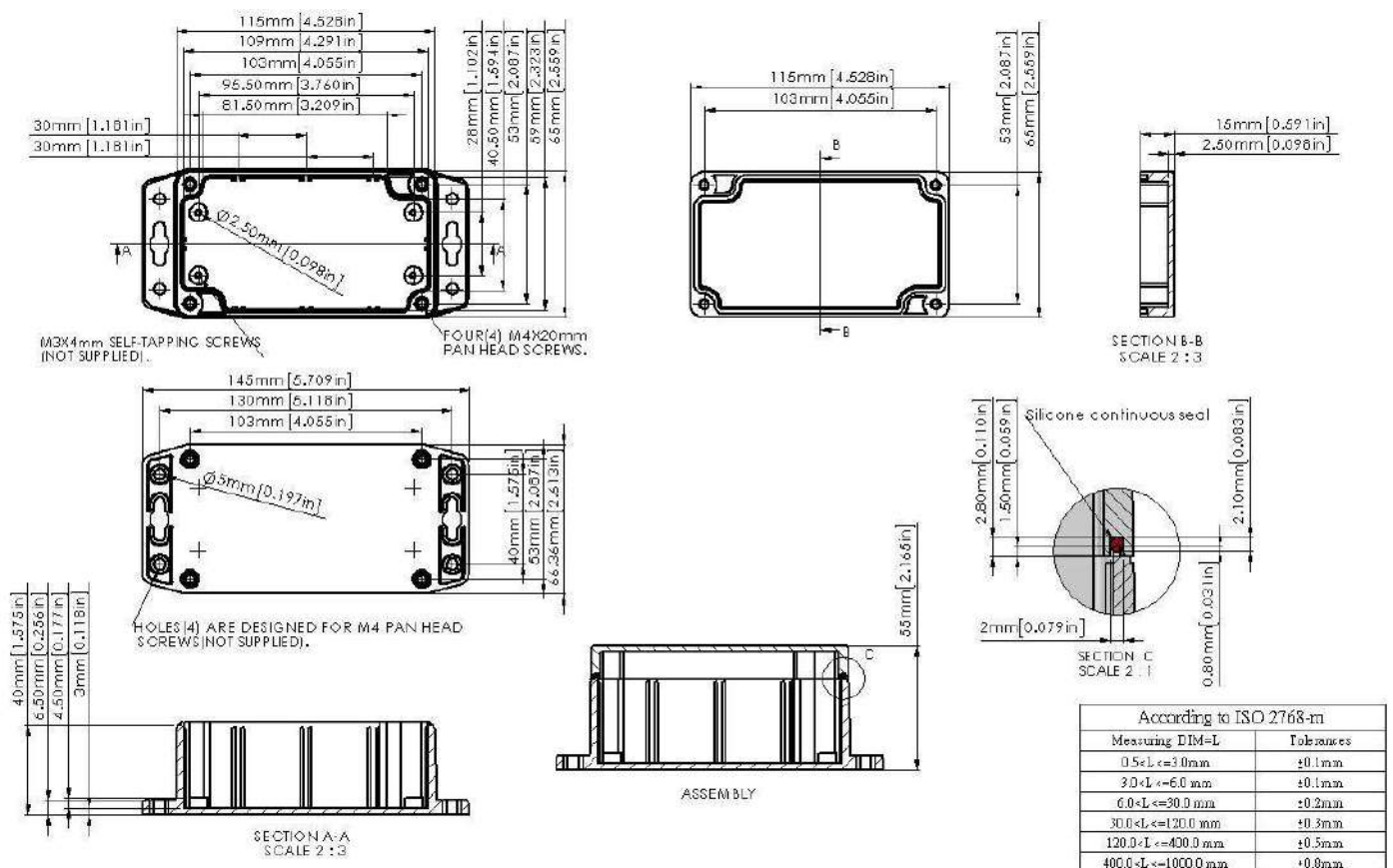
P201MF-IP68 / P201CMF-IP68 / A302MF-IP68



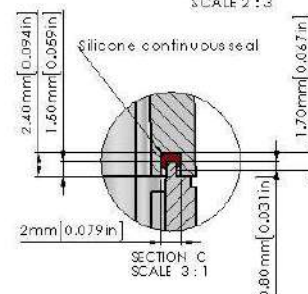
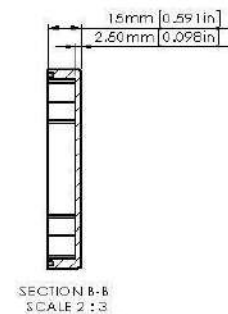
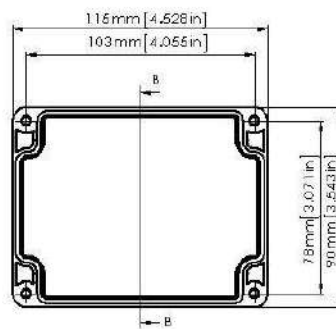
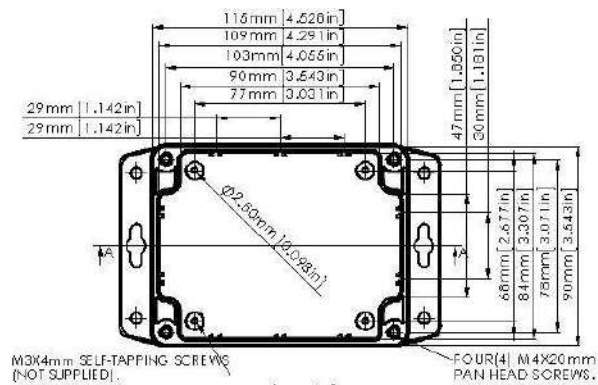
P203MF-IP68 / P203CMF-IP68 / A304MF-IP68



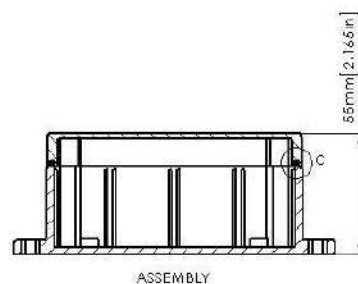
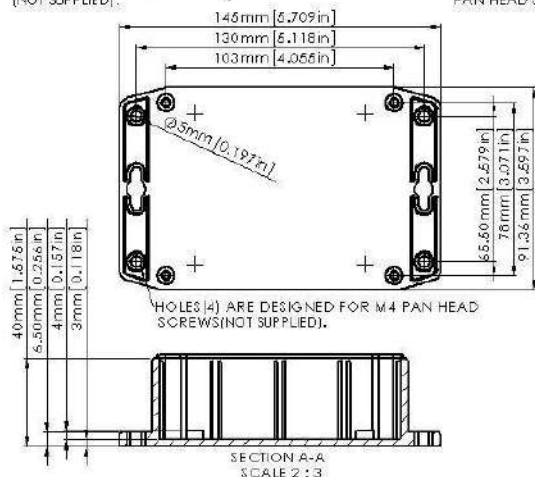
P205MF-IP68 / P205CMF-IP68 / A308MF-IP68



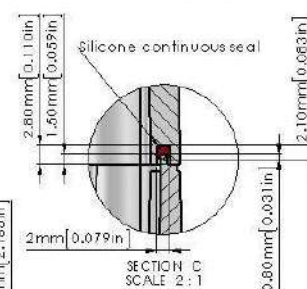
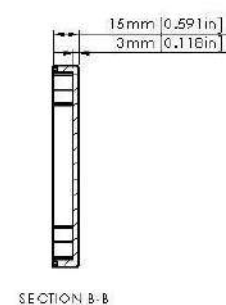
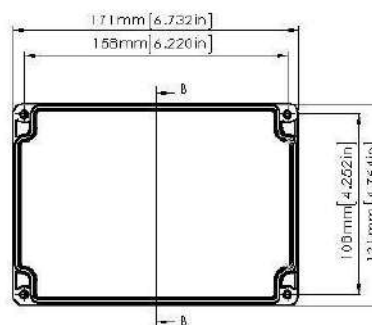
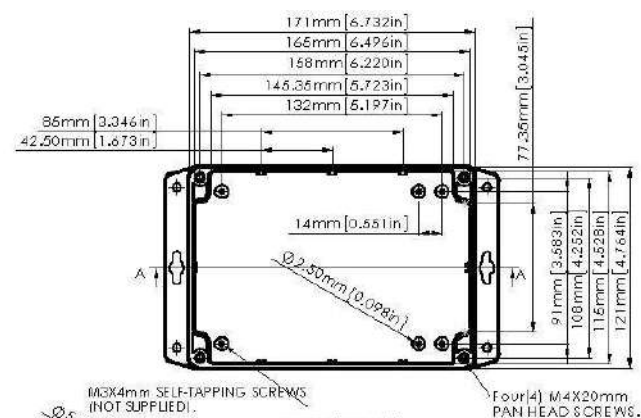
P212MF-IP68 / P212CMF-IP68 / A311MF-IP68



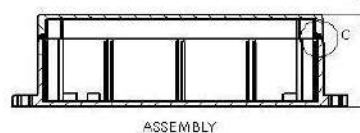
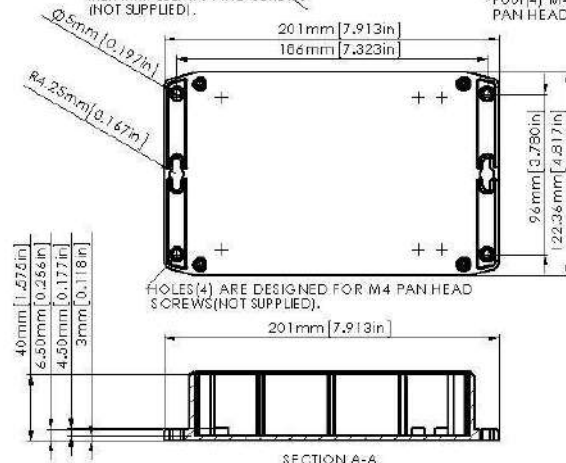
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm



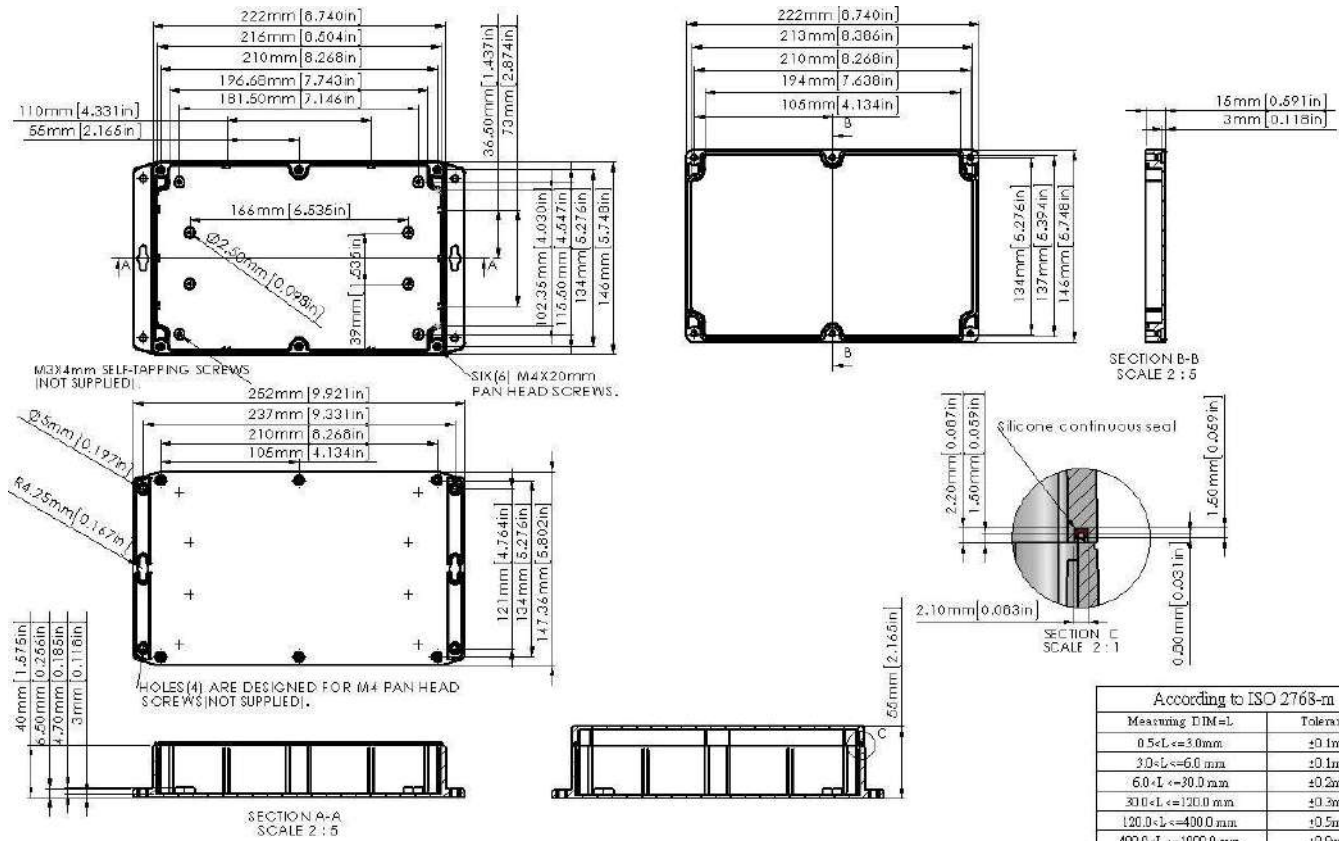
P214MF-IP68 / P214CMF-IP68 / A313MF-IP68



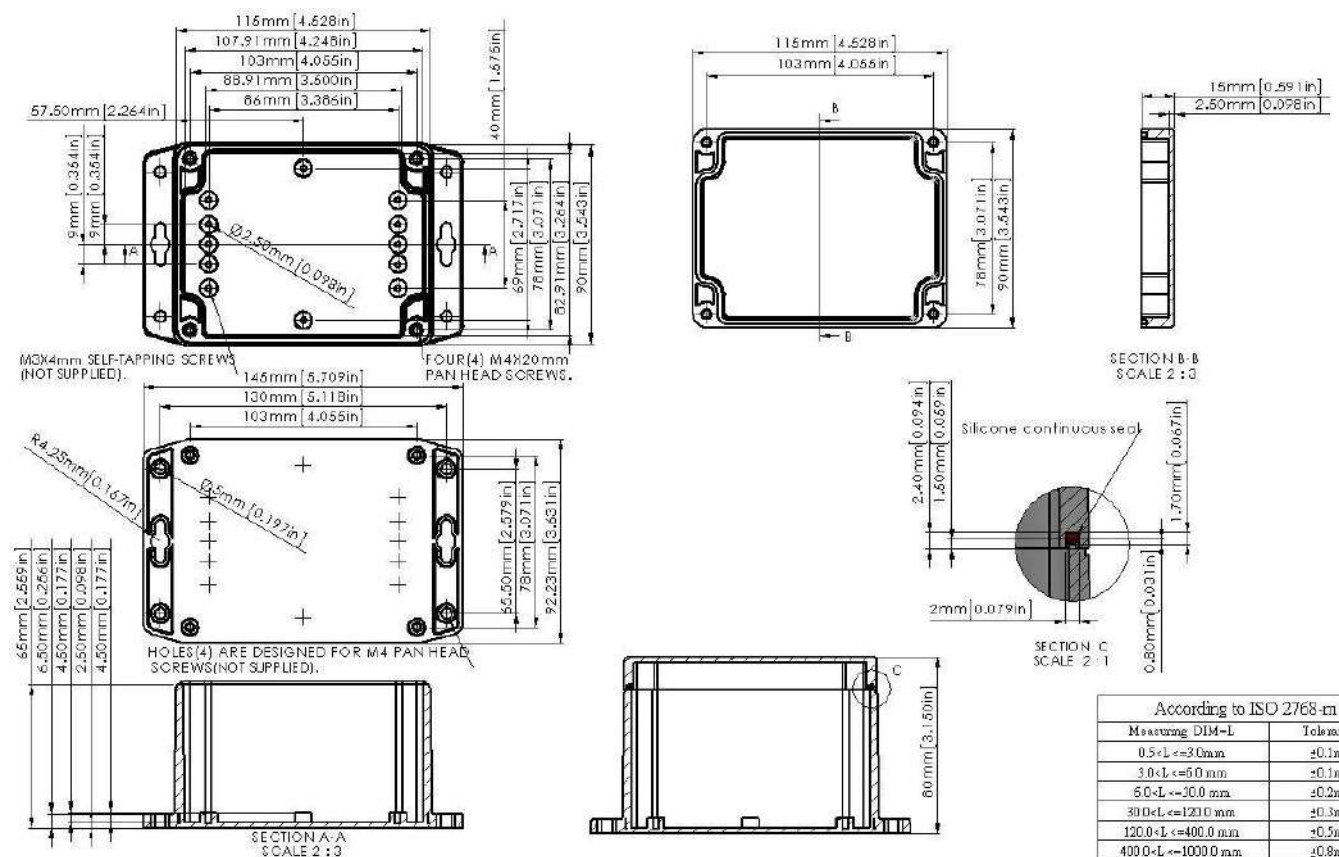
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0mm	±0.1mm
6.0<L≤30.0mm	±0.2mm
30.0<L≤120.0mm	±0.3mm
120.0<L≤400.0mm	±0.5mm
400.0<L≤1000.0mm	±0.8mm



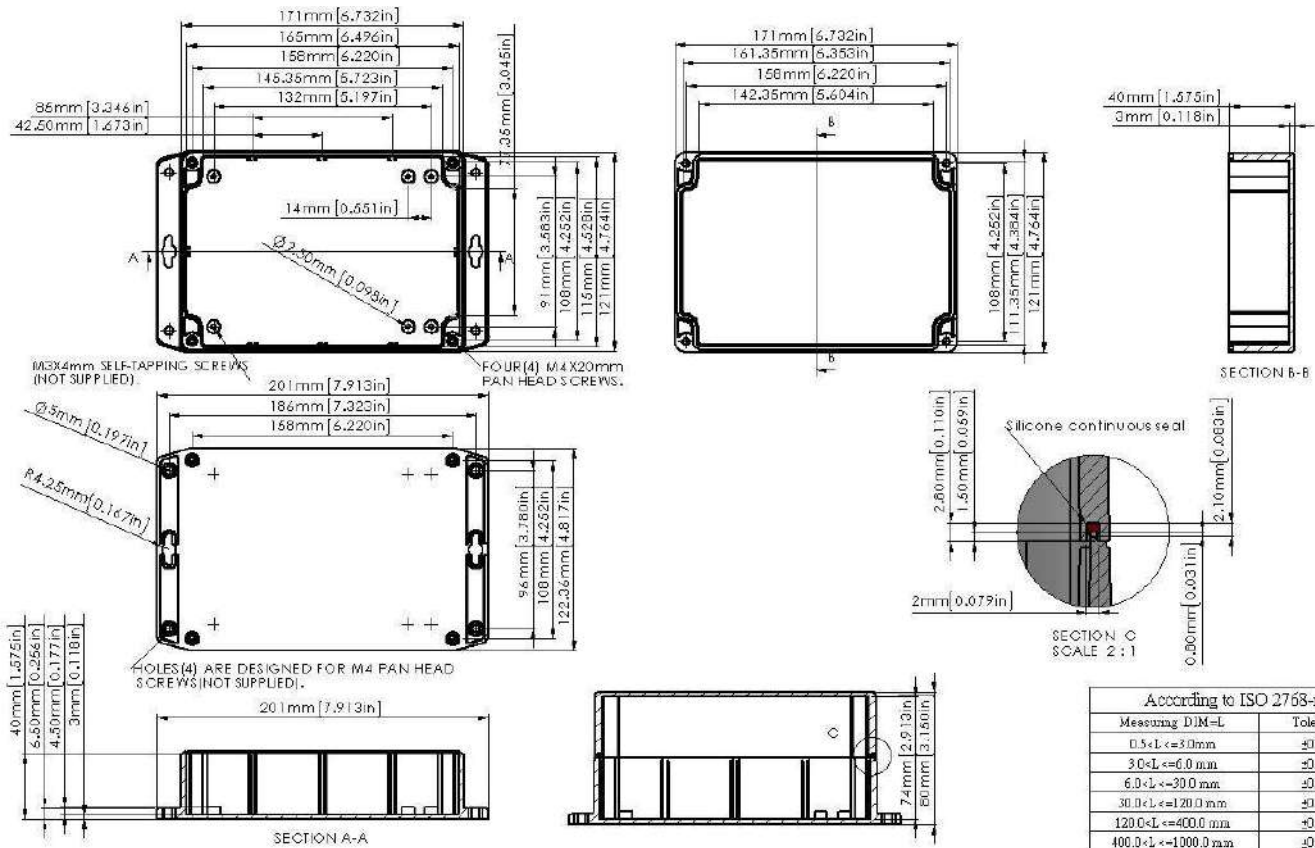
P218MF-IP68 / P218CMF-IP68 / A317MF-IP68



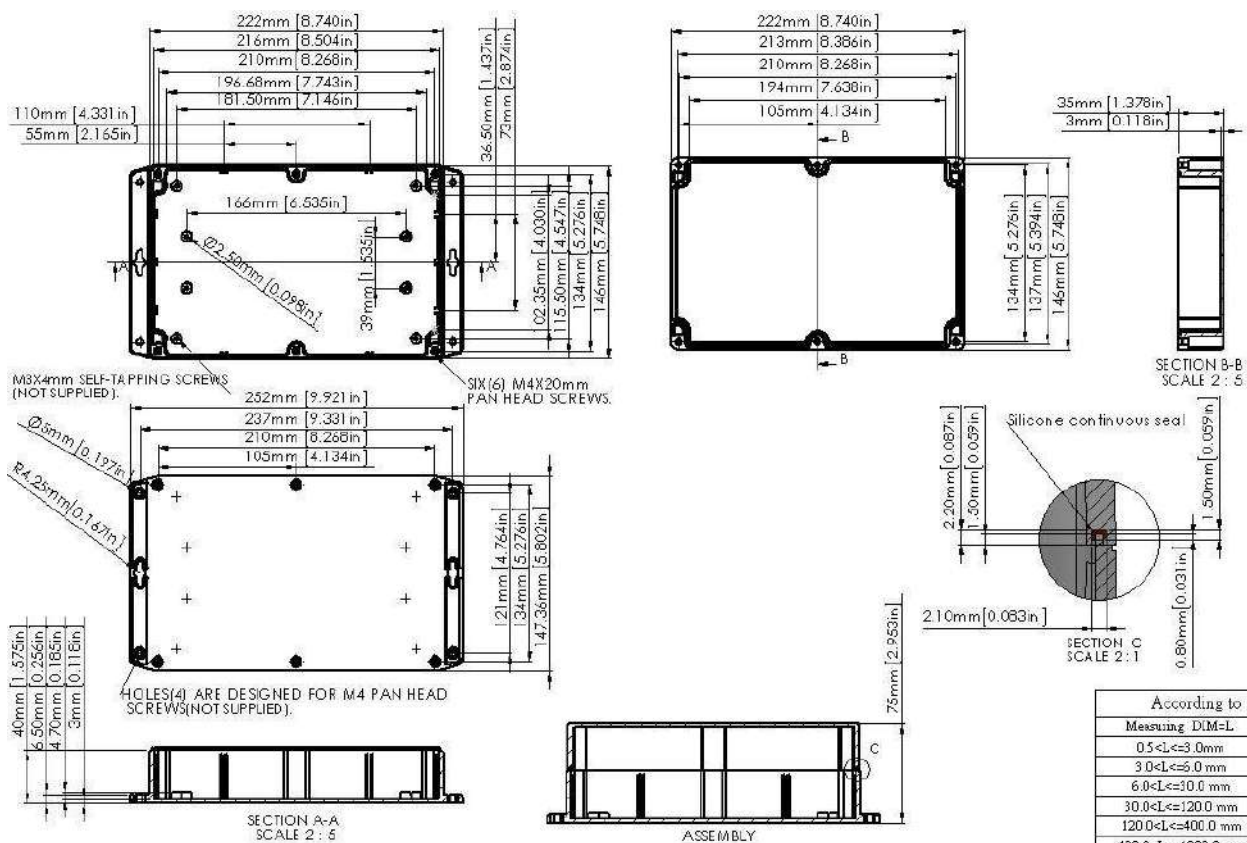
P221MF-IP68 / P221CMF-IP68 / A331MF-IP68



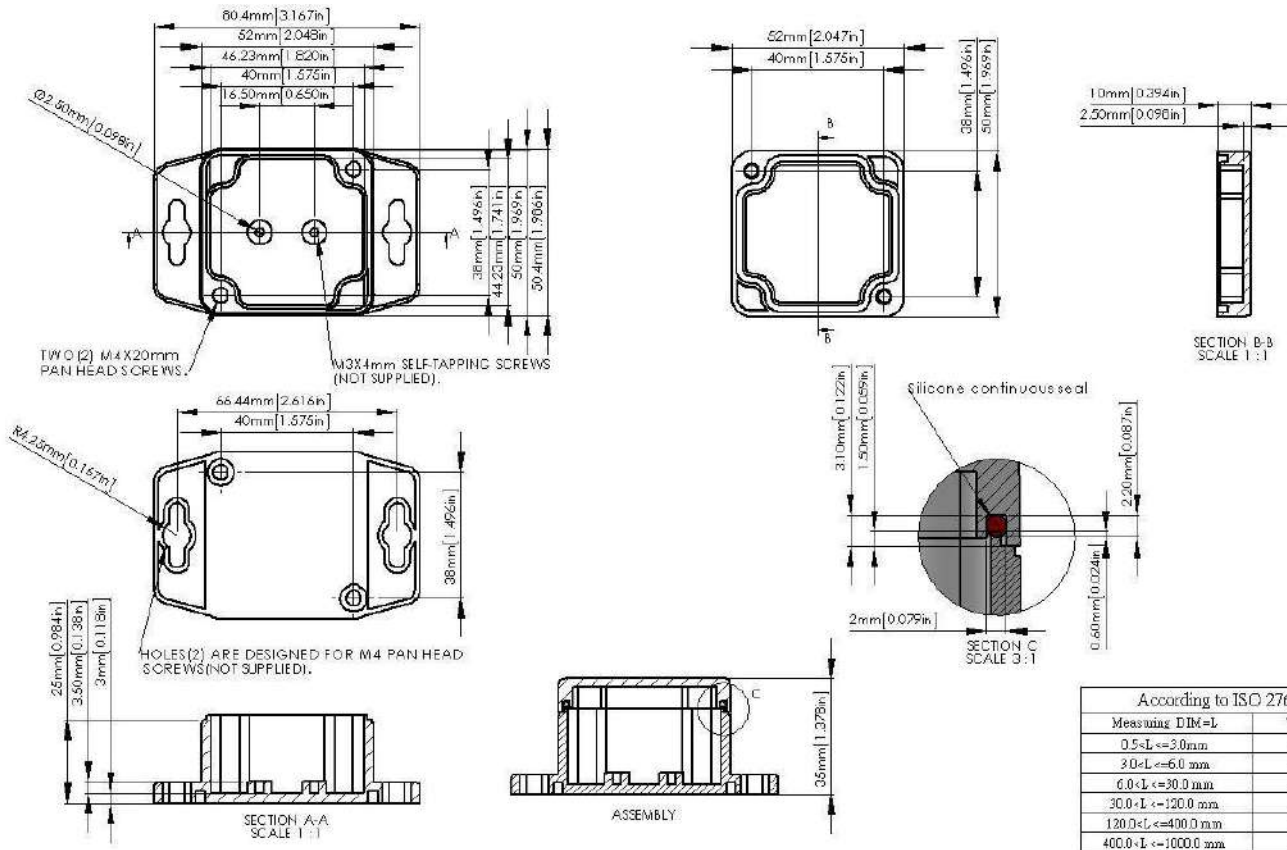
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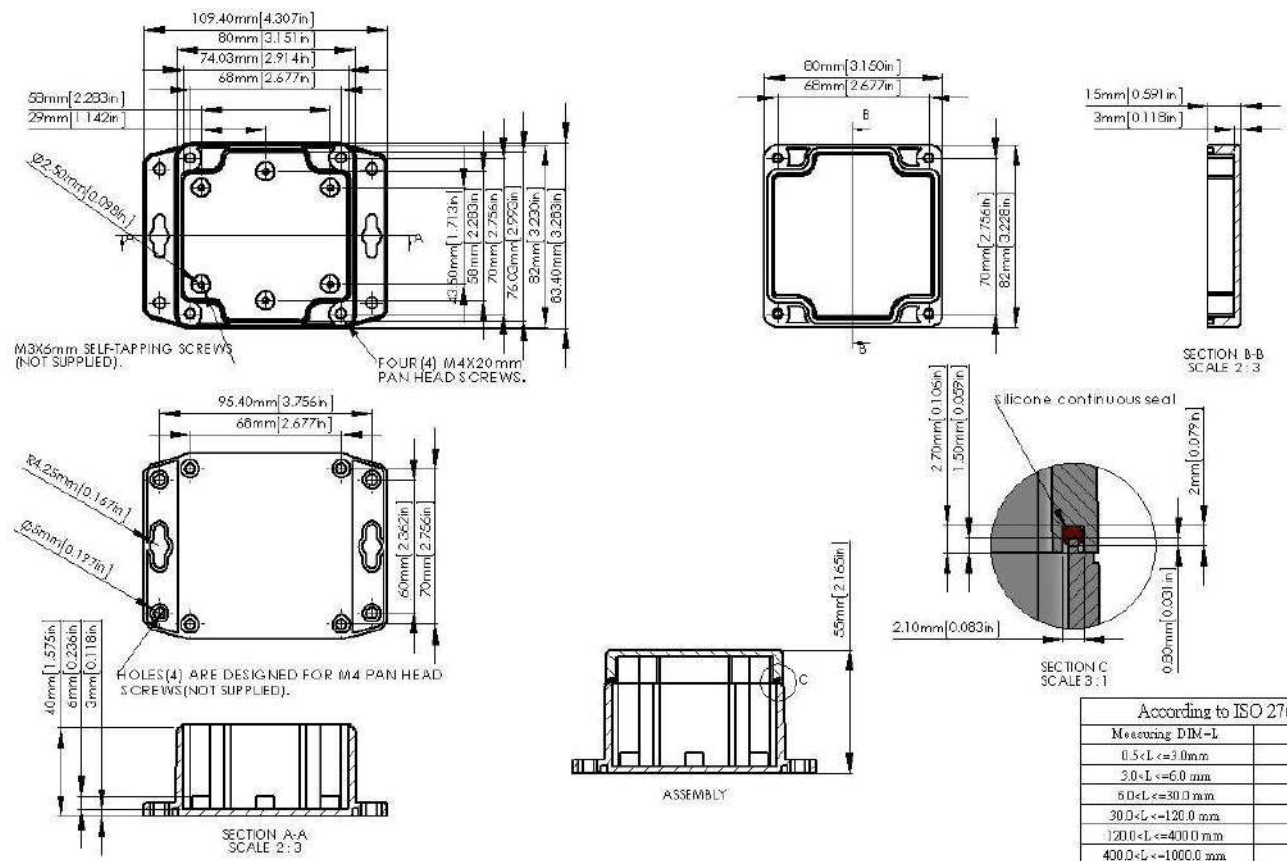
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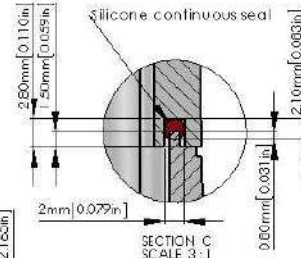
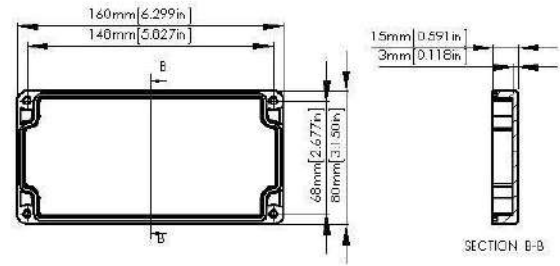
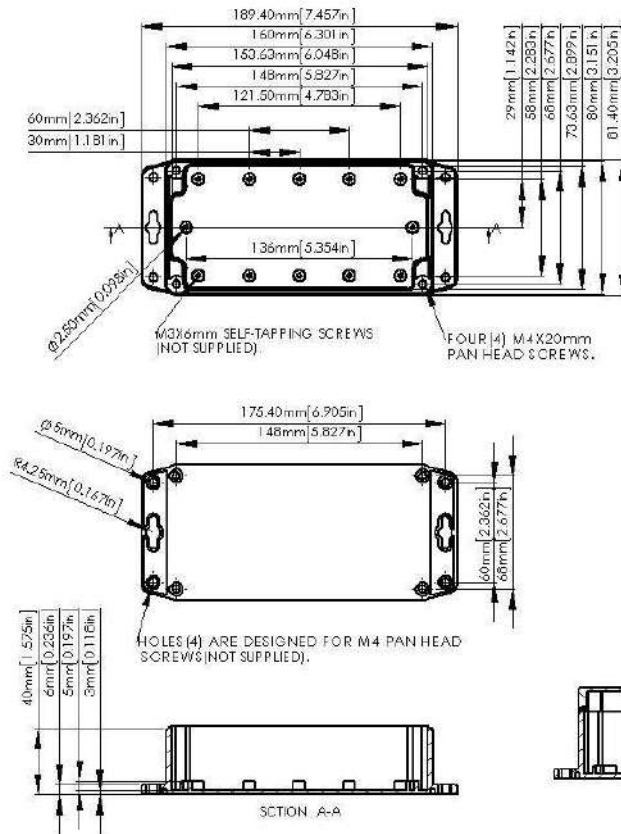
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P256MF-IP68 / P256CMF-IP68 / A366MF-IP68

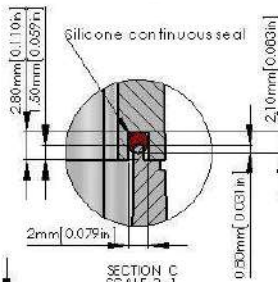
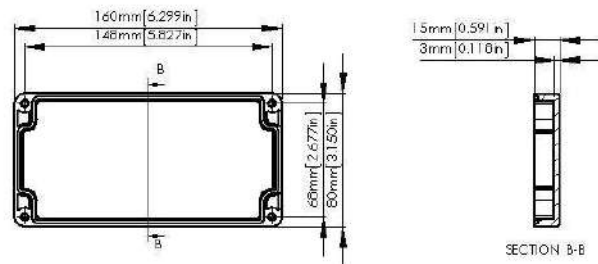
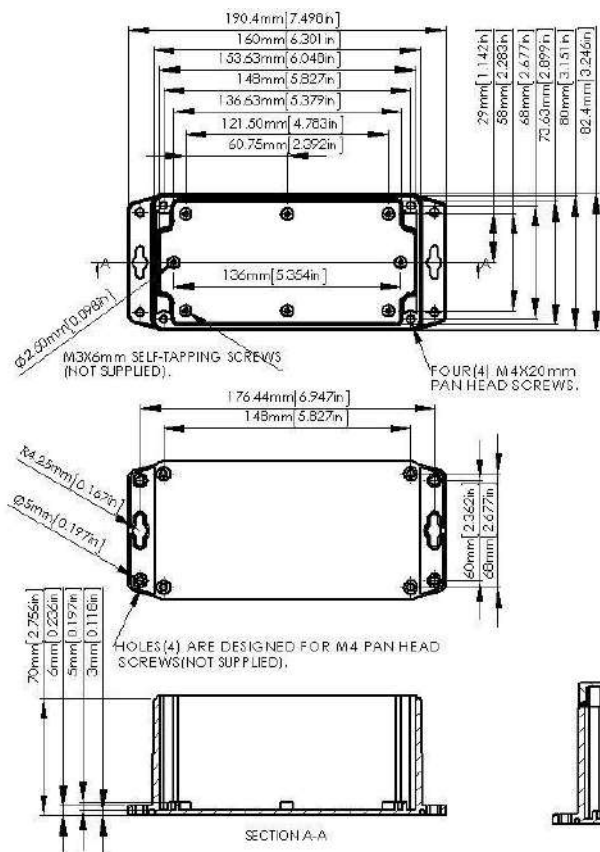


P258MF-IP68 / P258CMF-IP68 / A368MF-IP68



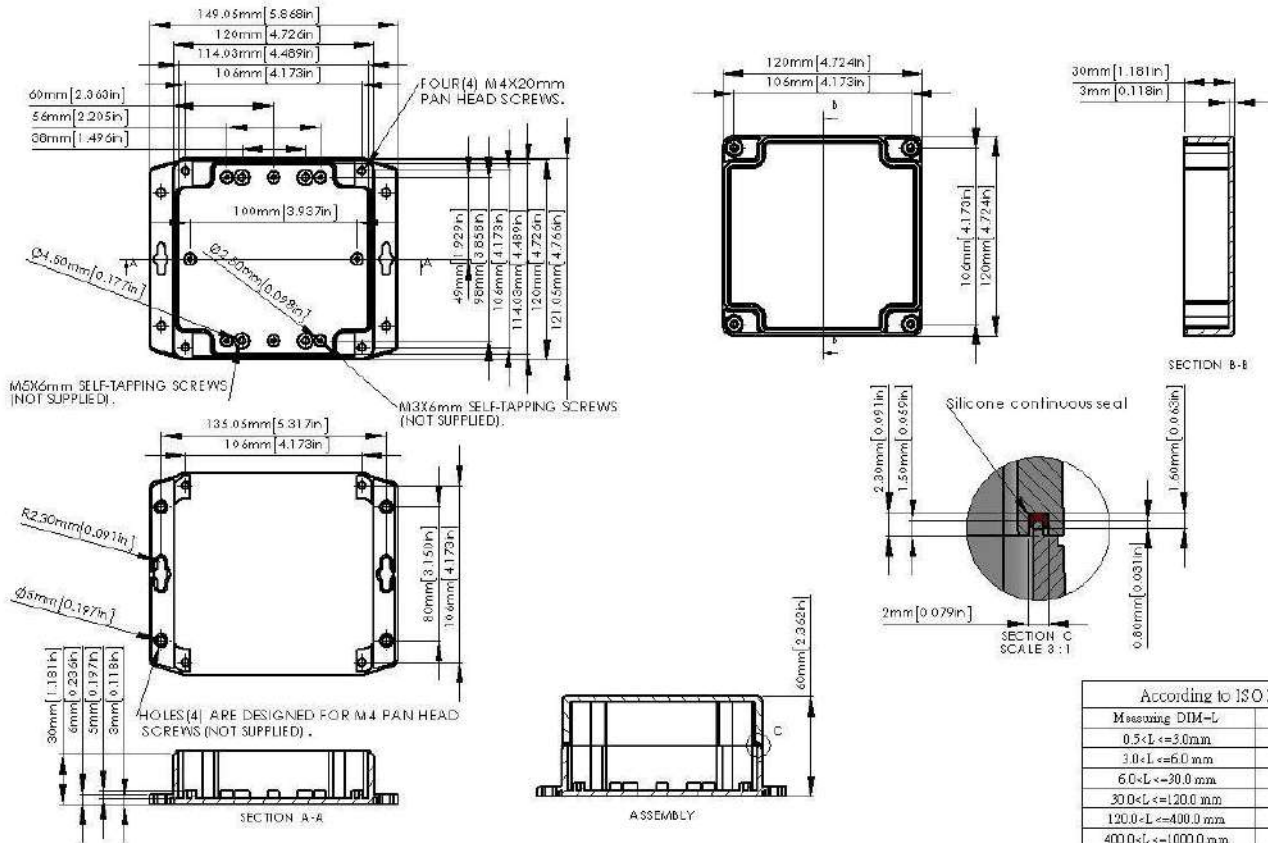
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 mm	±0.1mm
6.0<L≤30.0 mm	±0.2mm
30.0<L≤120.0 mm	±0.3mm
120.0<L≤400.0 mm	±0.5mm
400.0<L≤1000.0 mm	±0.8mm

P265MF-IP68 / P265CMF-IP68 / A369MF-IP68

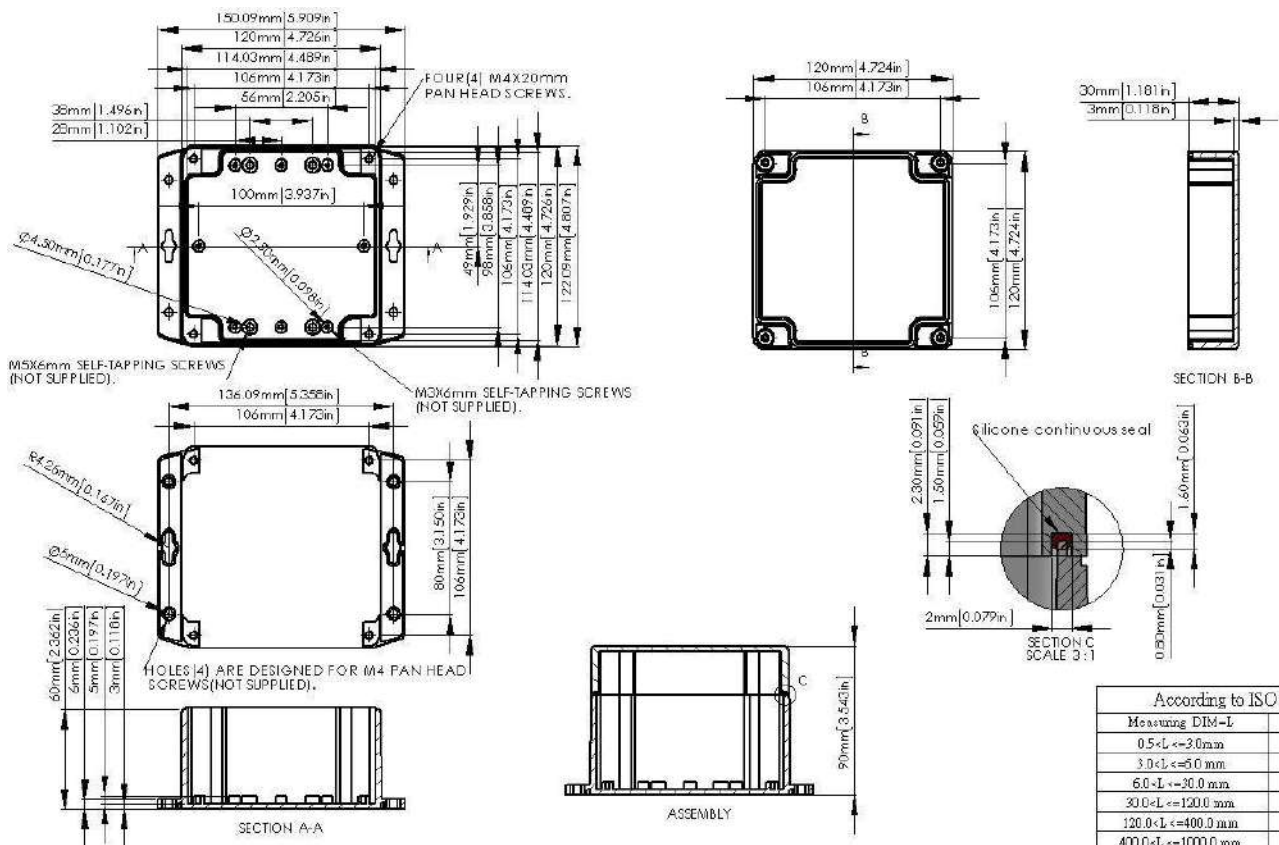


According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 mm	±0.1mm
6.0<L≤30.0 mm	±0.2mm
30.0<L≤120.0 mm	±0.3mm
120.0<L≤400.0 mm	±0.5mm
400.0<L≤1000.0 mm	±0.8mm

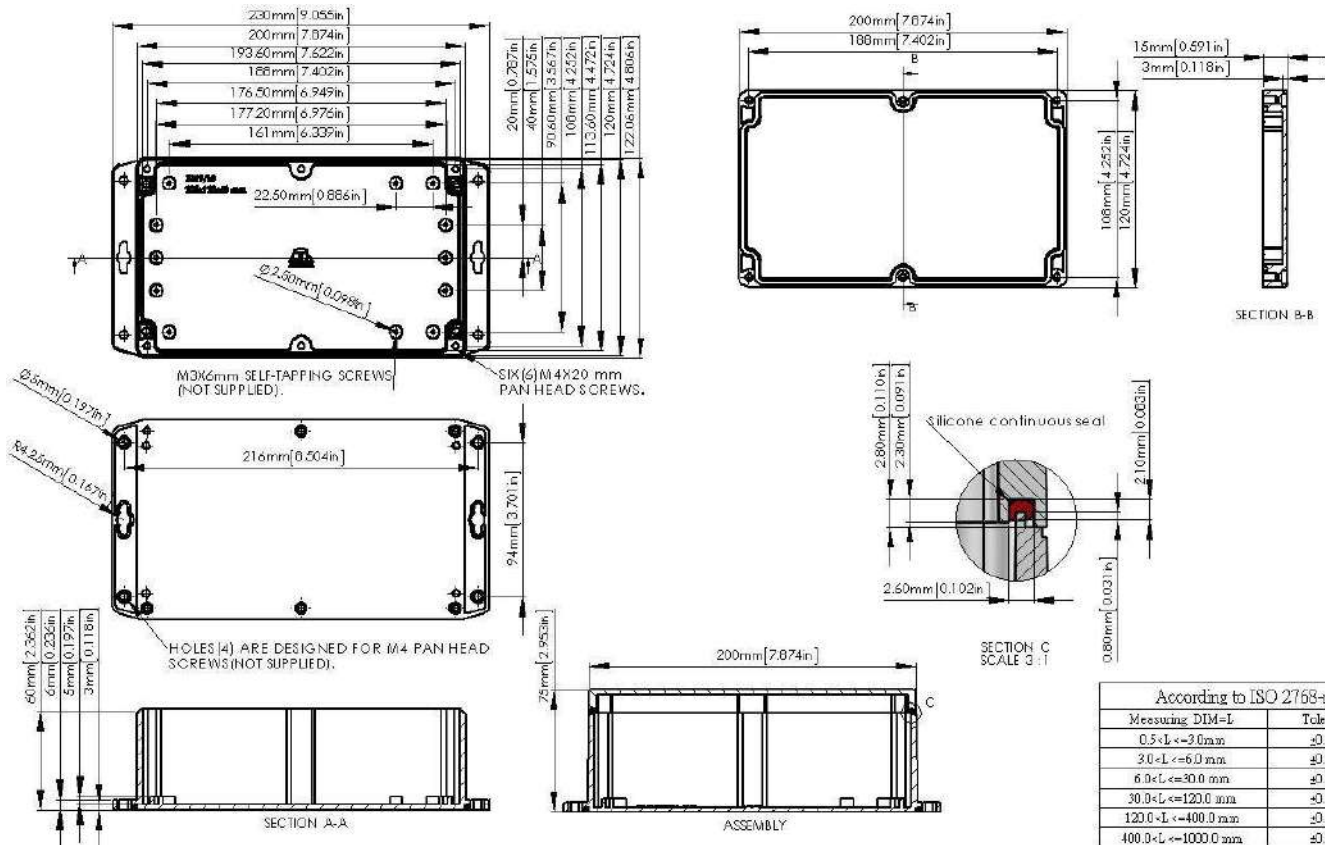
P278MF-IP68 / P278CMF-IP68 / A386MF-IP68



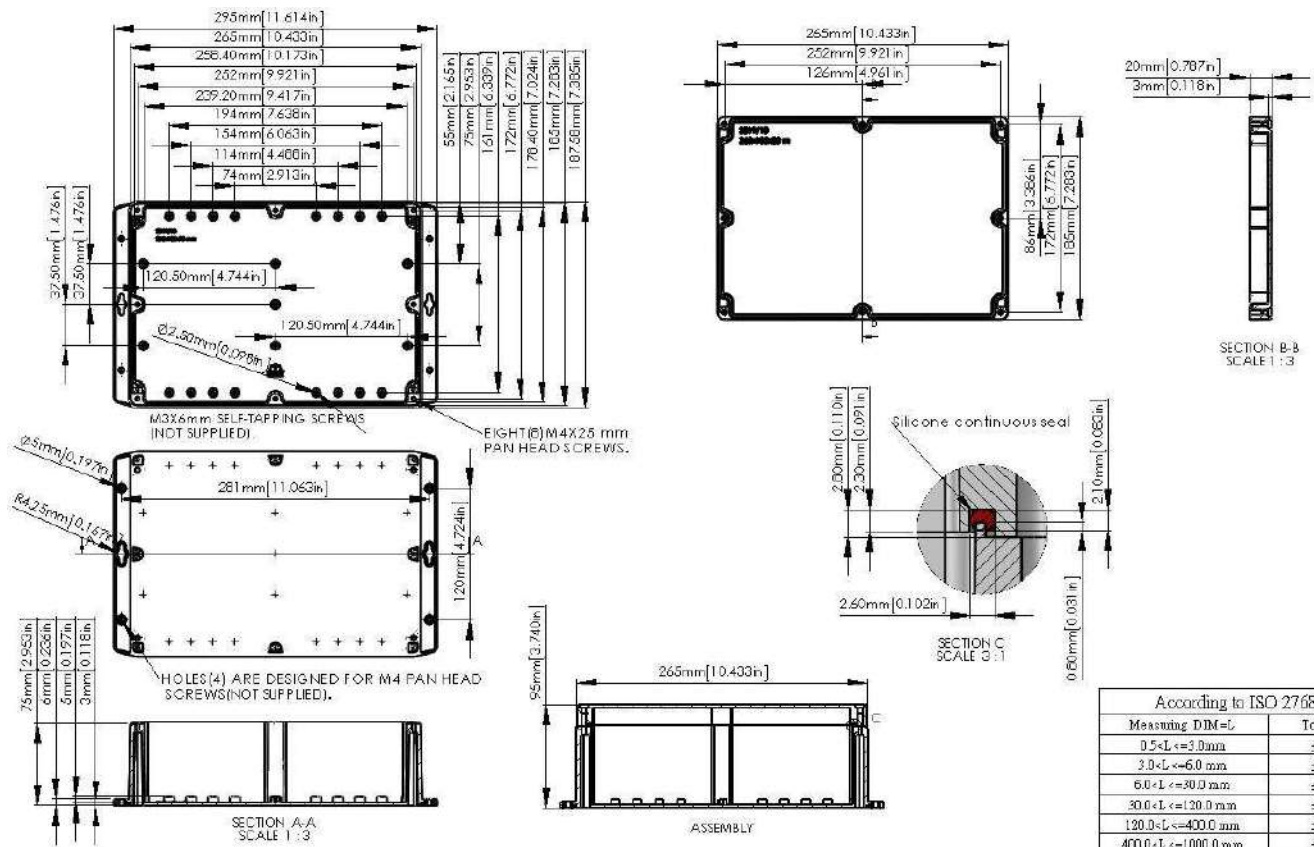
P279MF-IP68 / P279CMF-IP68 / A387MF-IP68



P2691MF-IP68 / P2691CMF-IP68 / A3735MF-IP68



P2385MF-IP68 / P2385CMF-IP68 / A3783MF-IP68



ELECTRONIC TESTING CENTER, TAIWAN
 400955, No. 227, Sec. 2, Zhongxing Rd.
 XINDI (4th) DIST., NEW TAIPEI CITY 231, TAIWAN
 TEL: 02-26919016 FAX: 02-26913105
 E-MAIL: ETC@ETC.TW

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TEST REPORT
 Report No.: 20-02-RBD-005
 Page: 1 of 23 Pages
 Issue Date: Feb, 10, 2020

Rep. No.: 20-02-RBD-005
 Applicant: Gainta Industries Ltd.
 Address: 1F, NO.30, LANE 54, CHUNG CHENG RD., XINDI(4th) DIST., NEW TAIPEI CITY 231, TAIWAN (R.O.C.)
 Commodity: Sealed Plastic Box
 Model: P20563C-IP68
 Serial Model: See below Annex A
 Quantity: 3 sets
 Date of Receipt: Feb, 13, 2020
 Date of Testing: Feb, 16, 2020
 Test specification: IEC 60529:2015
 Ambient Environment: Temp. 23 °C, 53% R.H., A.P. 994 mbar
 Test Item: IP68
 Test condition & result: See the following sheets
 General remarks:
 The laboratory will make conformity judgments based on the above test criteria, and the decisive rules of completeness do not consider this uncertainty.
 The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

Approved by: Skyluo
 Skyluo

TEST REPORT
 Report No.: 20-02-RBD-005
 Page: 2 of 23 Pages

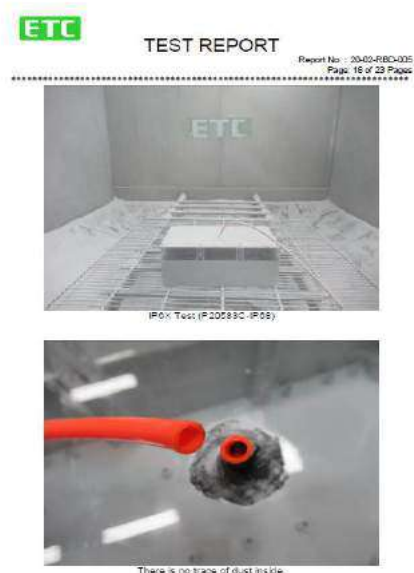
1. Test Item: IP68
 1.1 Test model: P214-IP68, P214C-IP68, P20563C-IP68

2. Test Conditions:
 2.1 Ambient Condition
 -Temperature range: 15 °C to 35 °C
 -Relative humidity: 25 % to 80 %
 -Air pressure: 800 mbar to 1000 mbar.
 2.2 IP6X (in accordance with IEC 60529:13.4 test):
 -Dust: Talcum powder
 -The amount of dust: 2 kg/m³
 -Maximum depression of 30Pa (20mbar)
 -The duration of the test is 6 hr.
 2.3 IPX8 (in accordance with IEC 60529:14.2.7/14.2.8 test):
 -The lowest point of enclosures with a height less than 800 mm is located 1000 mm below the surface of the water.
 -The highest point of enclosures with a height equal to or greater than 800 mm is located 100 mm below the surface of the water.
 -The duration of the test is 60 min.
 -The water temperature does not differ from that of the equipment by more than 5 K.

3. Test Result:

IP Code	Results	Acceptance Criteria
IP6X	There is no trace of dust inside.	IEC 60529:13.0
IPX8	There is no trace of water inside.	IEC 60529:14.3

Tested by: Sam Wei
 Sam Wei



TEST REPORT

Rep. No. : 20-02-RBD-006
 Applicant : Gainta Industries Ltd.
 Address : 1F, NO.30, LANE 54, CHUNG CHENG RD.,
 XINDIAN DIST., NEW TAIPEI CITY 231, TAIWAN
 (R.O.C.)
 Commodity : Sealed Plastic Box
 Model : A30393-IP68
 Serial Model : See below Annex A
 Quantity : 2 sets
 Date of Receipt : Feb. 13, 2020
 Date of Testing : Feb. 19, 2020
 Test specification : IEC 60529 : 2015
 Ambient Environment : Temp. 22 °C, 52% R.H., A.P. 996 mbar
 Test Item : IP68
 Test condition & result : See the following sheets

General remarks :
 The laboratory will make conformity judgments based on the above test results and the decisive rules of compliance do not consider the uncertainty.
 The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

Approved by : Sky Kuo
 Sky Kuo

TEST REPORT

Report No. : 20-02-RBD-001
 Page 2 of 18 Pages

1. Test Item : IP68
 1.1 Test model : A313-IP68 - A30393-IP68
2. Test Conditions :
- 2.1 Ambient Condition
 -Temperature range: 15 °C to 35 °C;
 -Relative humidity: 25 % to 90 %;
 -Air pressure: 960 mbar to 1060 mbar.
- 2.2 IP6X (In accordance with IEC 60529 13.4 test)
 -Dust: Talcum powder;
 -The amount of dust: 2 kg/m²;
 -Maximum depression of 2kPa (20mbar).
 -The duration of the test is 8 hr.
- 2.3 IPX8 (In accordance with IEC 60529 14.2.7/14.2.8 test)
 -The lowest point of enclosures with a height less than 850 mm is located 1000 mm below the surface of the water;
 -The highest point of enclosures with a height equal to or greater than 850 mm is located 150 mm below the surface of the water;
 -The duration of the test is 60 min;
 -The water temperature does not differ from that of the equipment by more than 5 °C.

3. Test Result :

IP Code	Results	Acceptance Criteria
IP6X	There is no trace of dust inside.	IEC 60529 13.6
IPX8	There is no trace of water inside.	IEC 60529 14.3

Tested by : Sam Wei
 Sam Wei

TEST REPORT

Report No. : 20-02-RBD-005
 Page 10 of 18 Pages



IPX8 Test (A313-IP68)



There is no trace of water inside.

TEST REPORT

Report No. : 20-02-RBD-006
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There is no trace of water inside.



IPX8 Test (A30393-IP68)

TEST REPORT

Report No. : 20-02-RBD-008
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IP6X Test (A313-IP68)



There is no trace of dust inside.

TEST REPORT

Report No. : 20-02-RBD-009
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IP6X Test (A30393-IP68)



There is no trace of dust inside.

Gainta Industries Ltd.

1F., NO. 28, Lane 54, Chung Cheng Road, Hsin Tien District, New Taipei City,
Taiwan

TEL : 886-2-29122561

FAX : 886-2-29122559

E-Mail : gainta@gainta.com.tw

www.gainta.com.tw