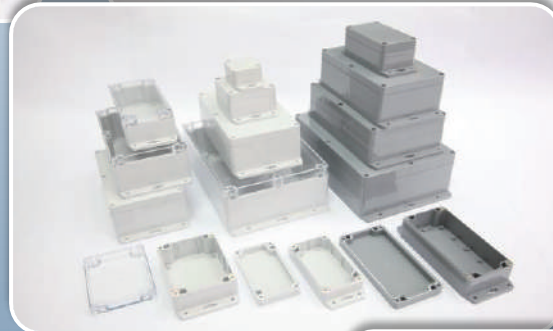
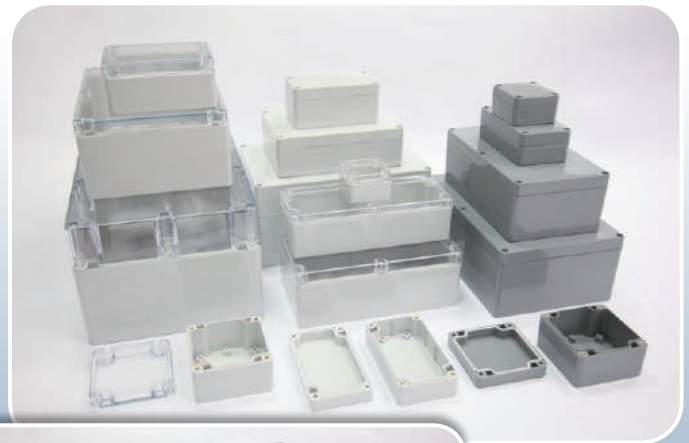


**NEW**

**2024**



# ***GAINTA INDUSTRIES LTD***



**G2XX / G3XX SERIES**  
IP65 POLYCARBONATE & ABS ENCLOSURES



**G2XXMF / G3XXMF SERIES**  
IP65 POLYCARBONATE & ABS ENCLOSURES WITH MOUNTING FLANGE



**G2XX-IP67 / G3XX-IP67 SERIES**  
IP67 POLYCARBONATE & ABS ENCLOSURES



**G2XXMF-IP67 / G3XXMF-IP67 SERIES**  
IP67 POLYCARBONATE & ABS ENCLOSURES WITH MOUNTING FLANGE



**P2XX-IP68 / A3XX-IP68 SERIES**  
IP68 POLYCARBONATE & ABS ENCLOSURES



**P2XXMF-IP68 / A3XXMF-IP68 SERIES**  
IP68 POLYCARBONATE & ABS ENCLOSURES WITH MOUNTING FLANGE



**HGPXXX / HGAXXX SERIES**  
HINGE TYPE ENCLOSURES



[www.gainta.com.tw](http://www.gainta.com.tw)



### **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. GAINTA enclosures are manufactured in modern factories located in Taiwan .

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

But more important than technical leadership, is the GAINTA 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 .

# CONTENTS

## **G2XX / G3XX SERIES**

**Page 01**

### **IP65 POLYCARBONATE AND ABS ENCLOSURES**

- G2XX series : Light grey ( ex : G201 , G201C )
- G3XX series : Dark grey ( ex : G302 )

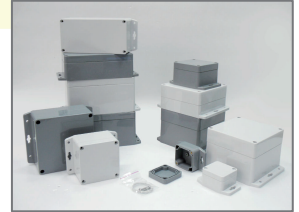


## **G2XXMF / G3XXMF SERIES**

**Page 18**

### **IP65 POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE**

- G2XXMF series : Light grey ( ex : G250MF , G250CMF )
- G3XXMF series : Dark grey ( ex : G362MF )

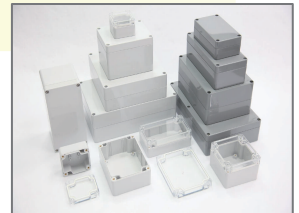


## **G2XX-IP67 / G3XX-IP67 SERIES**

**Page 29**

### **IP67 POLYCARBONATE AND ABS ENCLOSURES**

- G2XX-IP67 series : Light grey ( ex : G201-IP67 , G201C-IP67 )
- G3XX-IP67 series : Dark grey ( ex : G302-IP67 )



## **G2XXMF-IP67 / G3XXMF-IP67 SERIES**

**Page 45**

### **IP67 POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE**

- G2XXMF-IP67 series : Light grey ( ex : G250MF-IP67 , G250CMF-IP67 )
- G3XXMF-IP67 series : Dark grey ( ex : G362MF-IP67 )

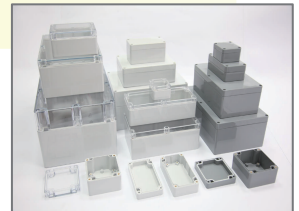


## **P2XX-IP68 / A3XX-IP68 SERIES**

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### **IP68 POLYCARBONATE AND ABS ENCLOSURES**

- 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 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 )

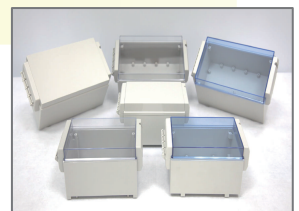


## **HGPXXX / HGAXXX SERIES**

**Page 85**

### **HINGE TYPE ENCLOSURES**

- HGPXXX series : Light grey base with transparent lid ( ex : HGP001 )
- HGPXXXCBU series : Light grey base with transparent blue lid ( ex : HGP001CBU )
- HGAXXX series : Light grey base with light grey lid ( ex : HGA001 )



## IP65 POLYCARBONATE AND ABS ENCLOSURES



### PRODUCT INFORMATION

- The lid and base incorporate a tongue and groove sealing system with a EPDM gasket.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Designed to IP65 of IEC 529 (Dust and Waterproof).
- Available with clear or light grey lids.
- Internal guide slots for mounting PCB assemblies vertically.
- Bosses on internal base allow fixing of PCB's horizontally or connection of terminals with M3X4mm self-tapping screws.

PC

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

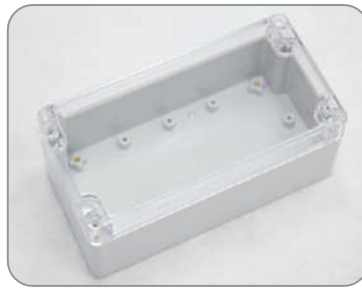
ABS

- Material: High Impact ABS (UL94-HB)
- Moulded in: Dark Grey.
- Operating temperature: -20°C to 60°C

Example



G258



G258C

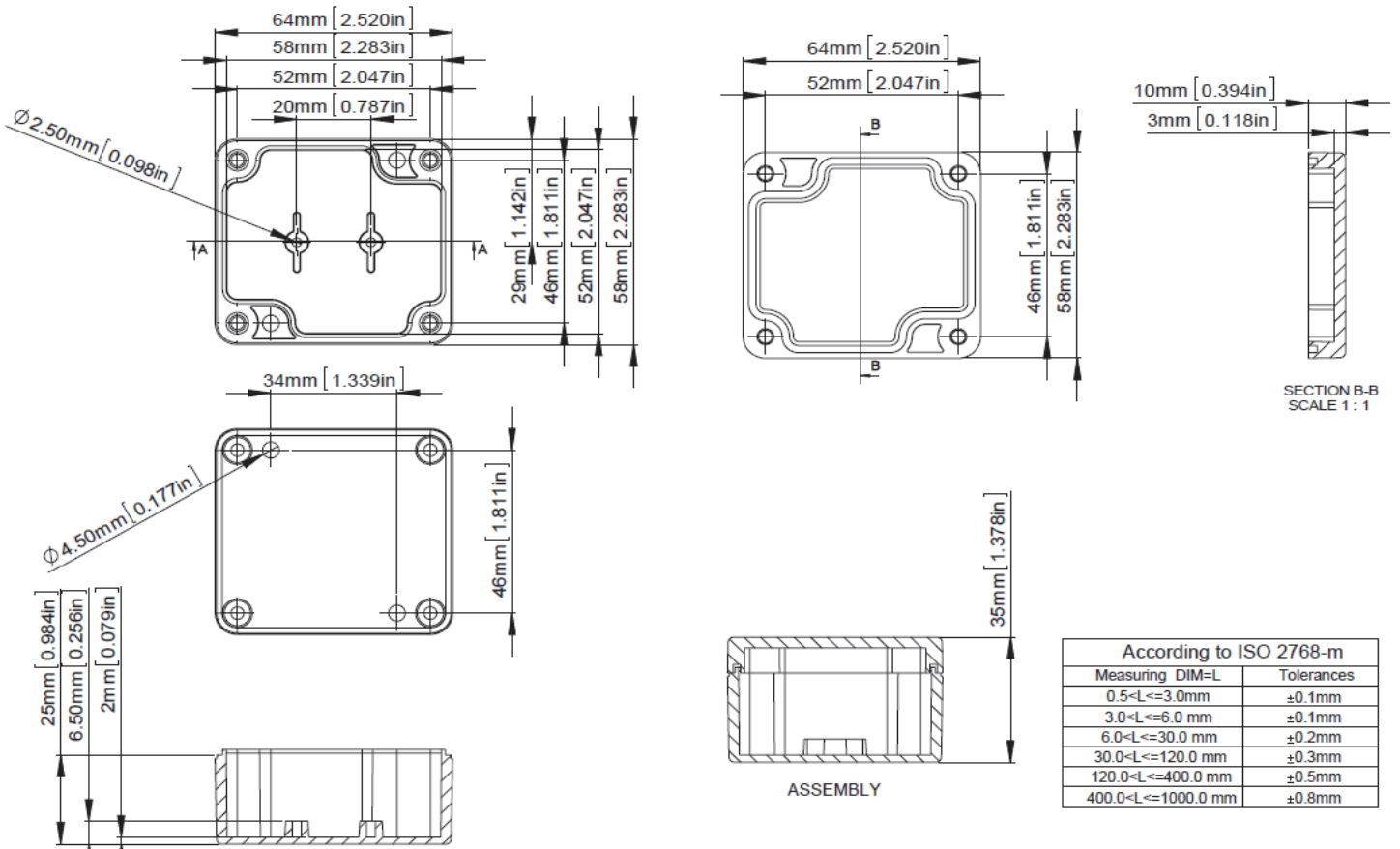


G362

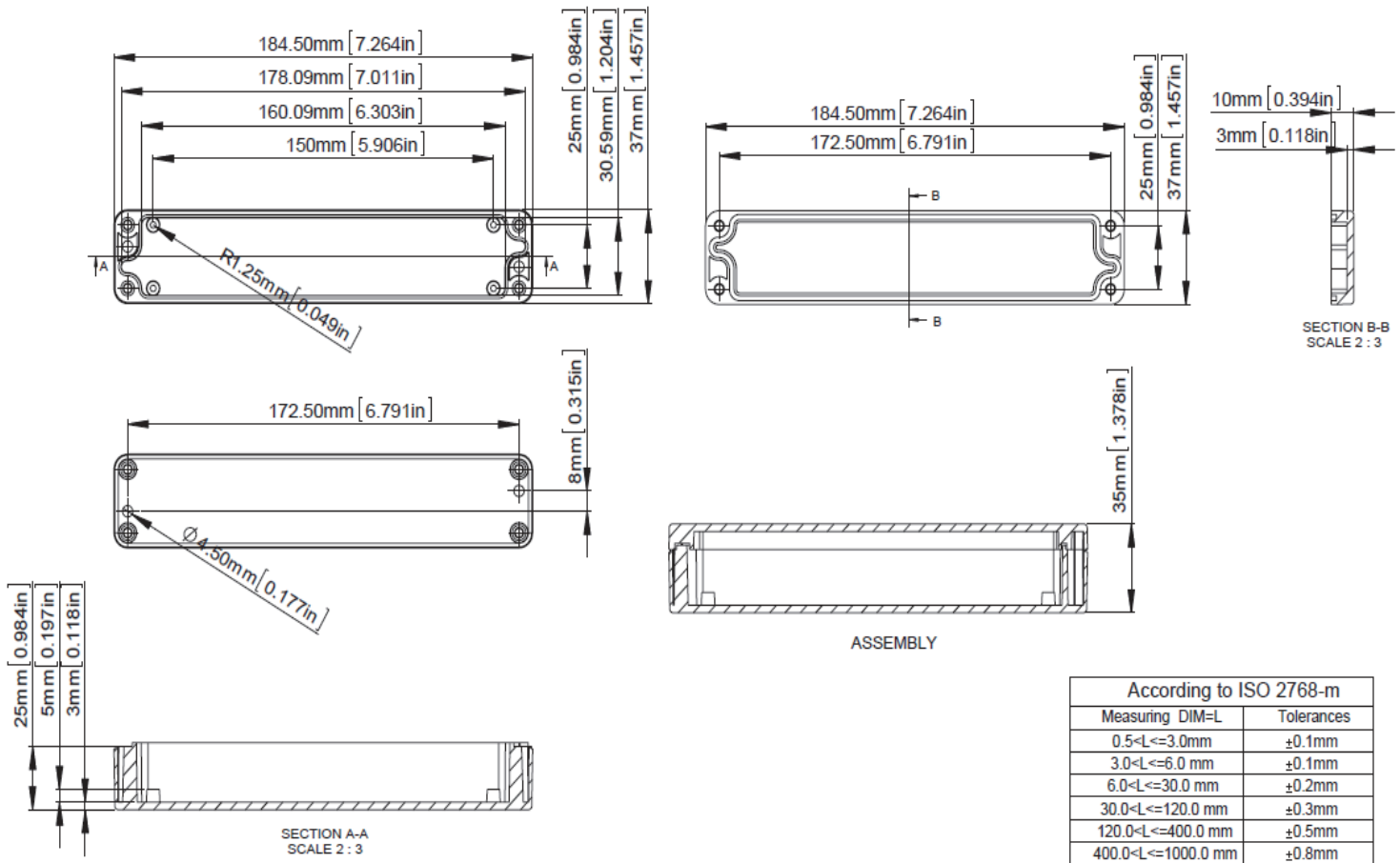
MATERIAL : POLYCARBONATE		EXTERNAL DIMENSION(mm)	MATERIAL : ABS
Light Grey Lid + Light Grey Base	Clear Lid + Light Grey Base		Dark Grey Lid + Dark Grey Base
Item No.	Item No.		Item no.
G201	G201C	64 x 58 x 35	G302
G202	/	184 x 36 x 35	G303
G203	G203C	115 x 65 x 40	G304
G205	G205C	115 x 65 x 55	G308
G212	G212C	115 x 90 x 55	G311
G214	G214C	171 x 121 x 55	G313
G218	G218C	222 x 146 x 55	G317
G221	G221C	115 x 90 x 80	G331
G223	G223C	171 x 121 x 80	G340
G229	G229C	195 x 80 x 55	G346
G232	G232C	222 x 146 x 75	G353
G238	G238C	265 x 185 x 95	G378
G250	G250C	52 x 50 x 35	G362
G256	G256C	82 x 80 x 55	G366
G258	G258C	160 x 80 x 55	G368
G265	G265C	160 x 80 x 85	G369
G269	G269C	200 x 120 x 75	G373
G278	G278C	120 x 120 x 60	G386
G279	G279C	120 x 120 x 90	G387
G287	G287C	160 x 160 x 60	G396
G288	G288C	160 x 160 x 90	G399
G2018	G2018C	240 x 160 x 90	G3008
G2025	G2025C	240 x 160 x 120	G3019
G2029	G2029C	300 x 230 x 86	G3028
G2038	G2038C	300 x 230 x 111	G3031
G2058	G2058C	360 x 200 x 150	G3039
<b>NEW</b> G20793	G20793C	360 x 250 x 110	G30693
<b>NEW</b> G20883	G20883C	360 x 250 x 150	G30993
<b>NEW</b> G2393	G2393C	265 x 185 x 120	G3913

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

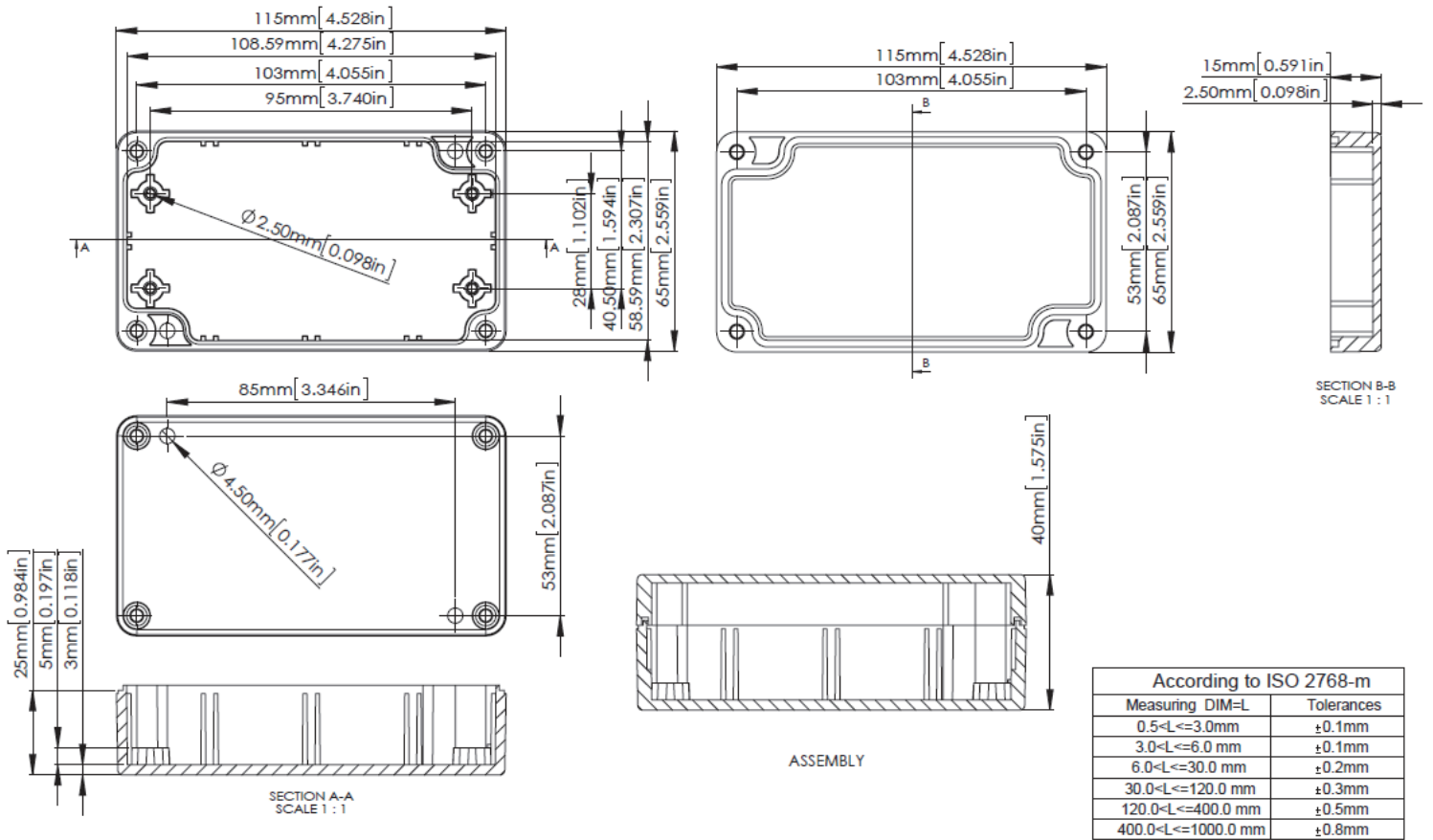
**G201 / G201C / G302**



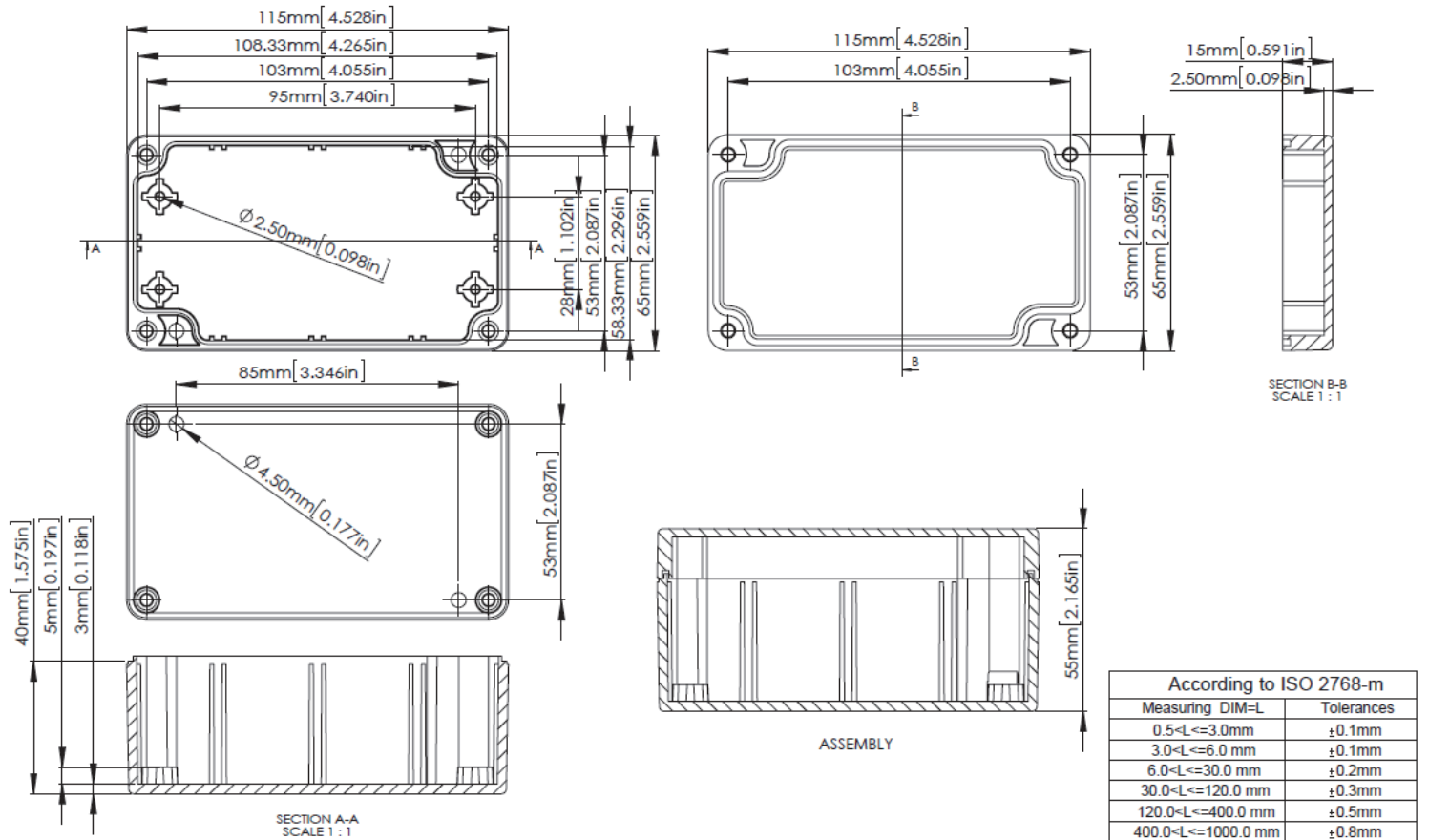
**G202 / G303**



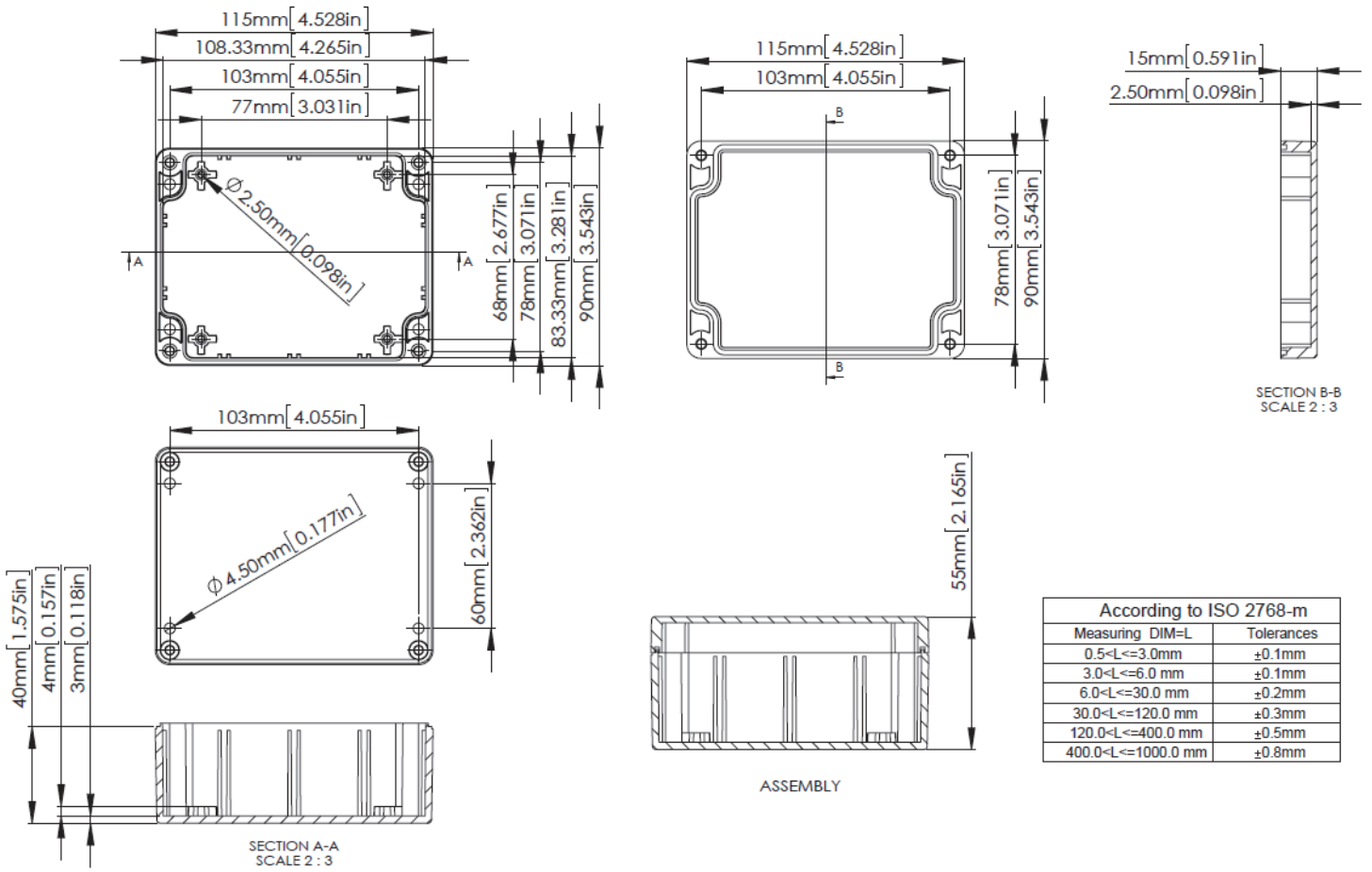
**G203 / G203C / G304**



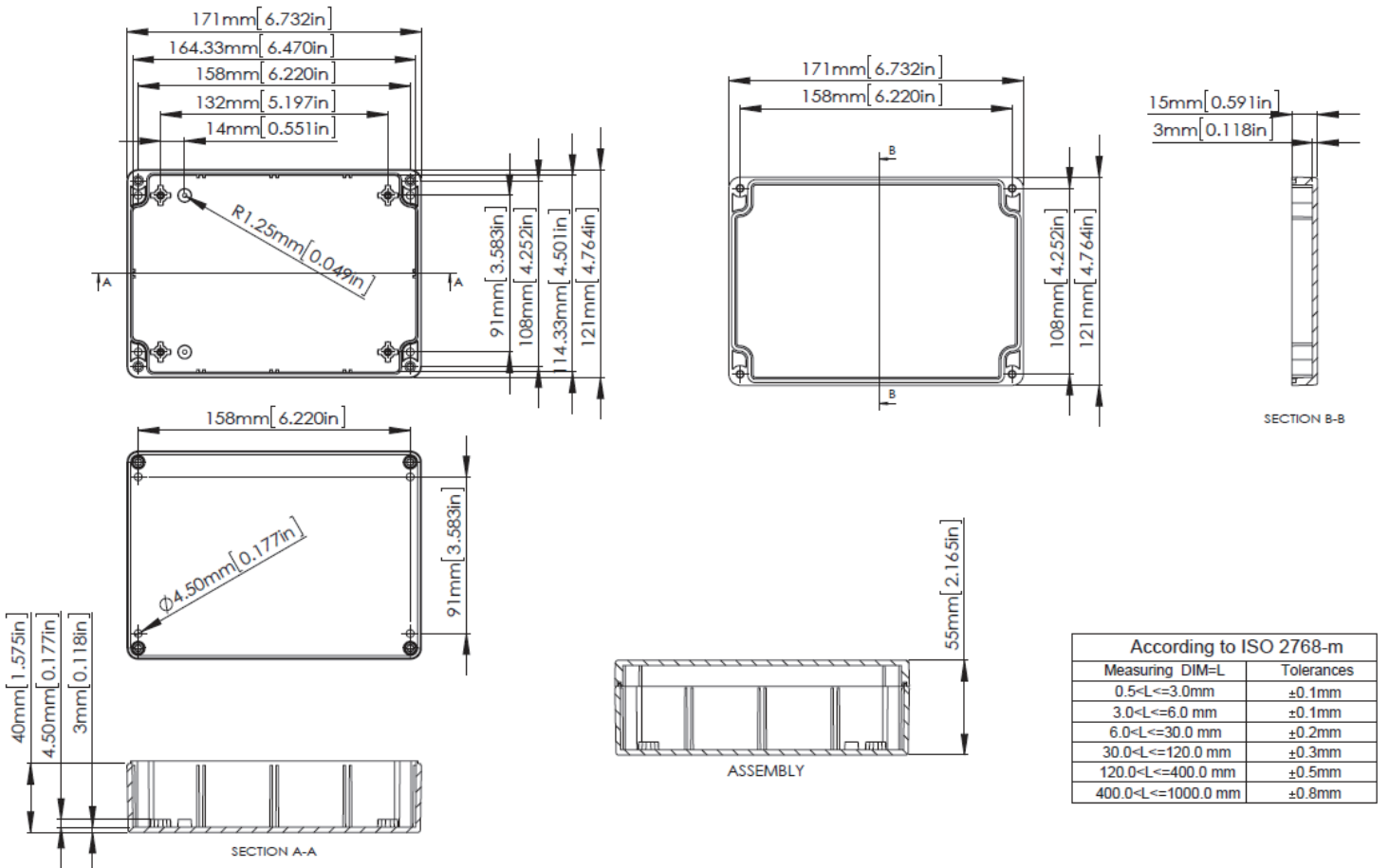
**G205 / G205C / G308**



**G212 / G212C / G311**

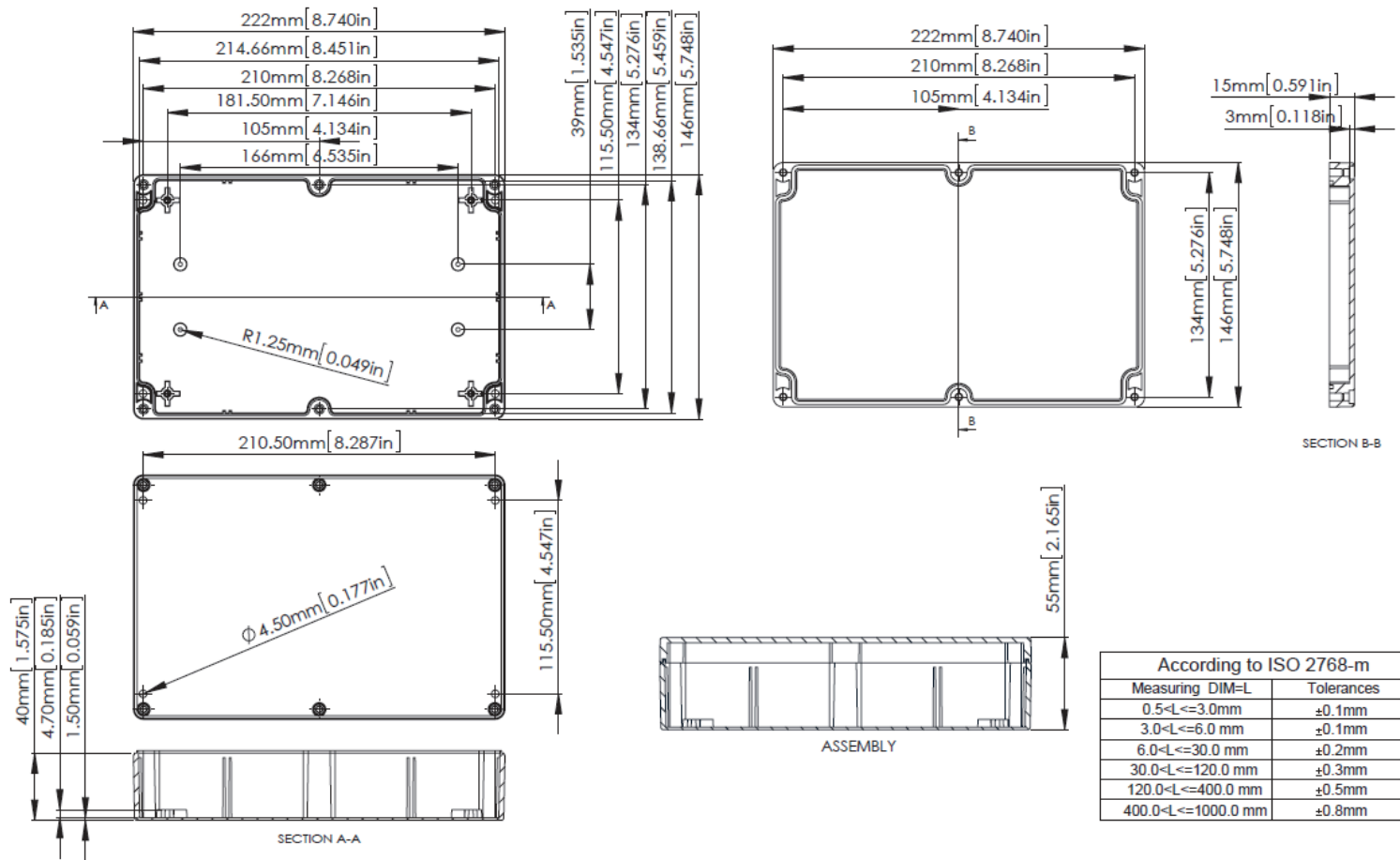


**G214 / G214C / G313**

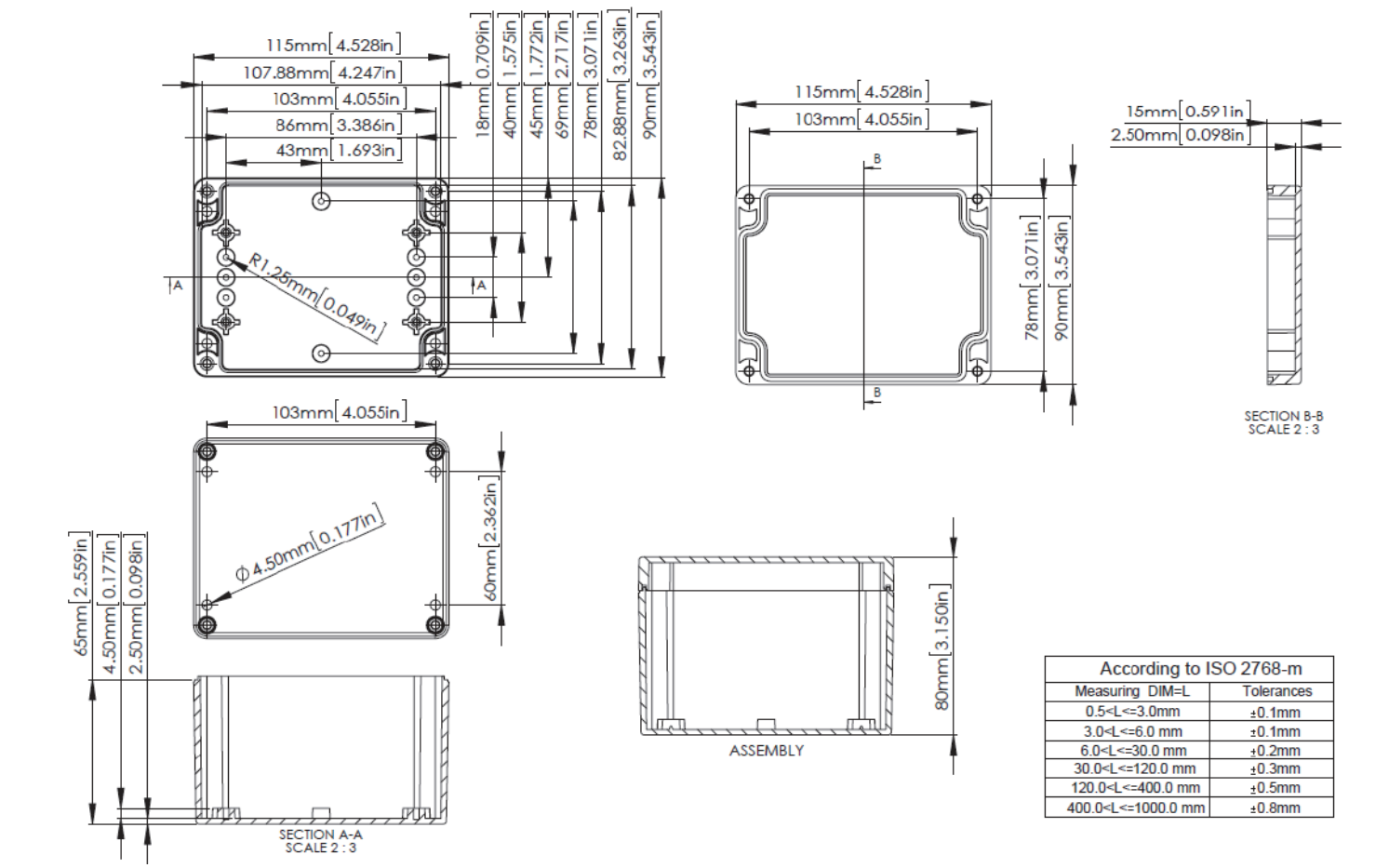




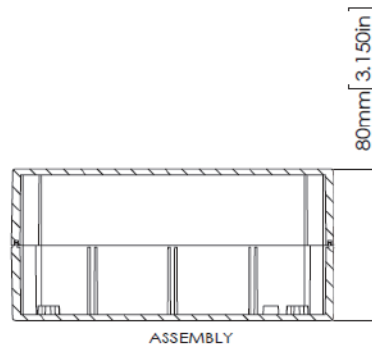
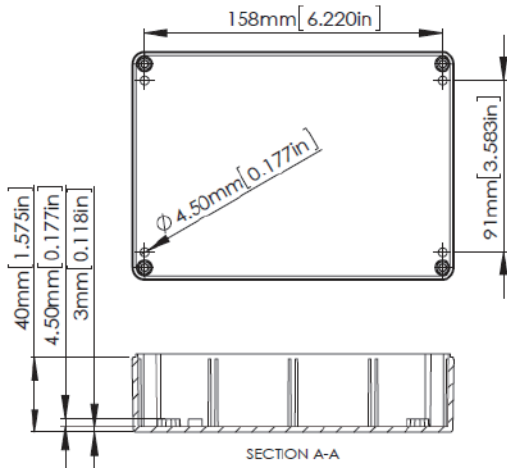
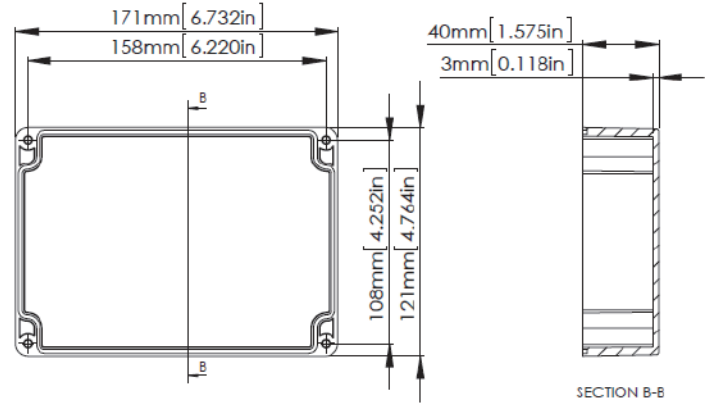
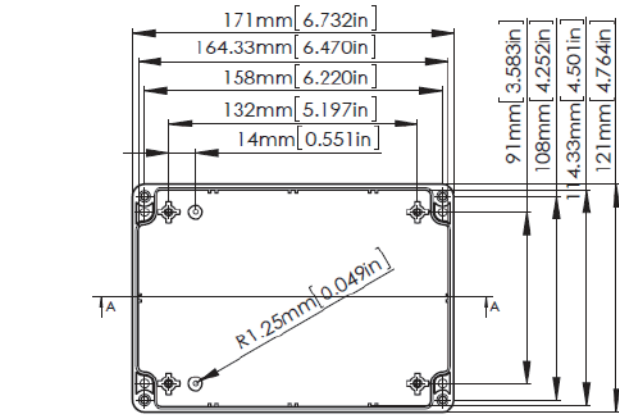
**G218 / G218C / G317**



**G221 / G221C / G331**



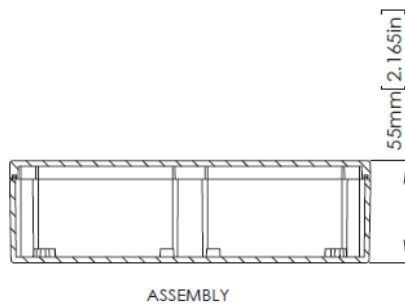
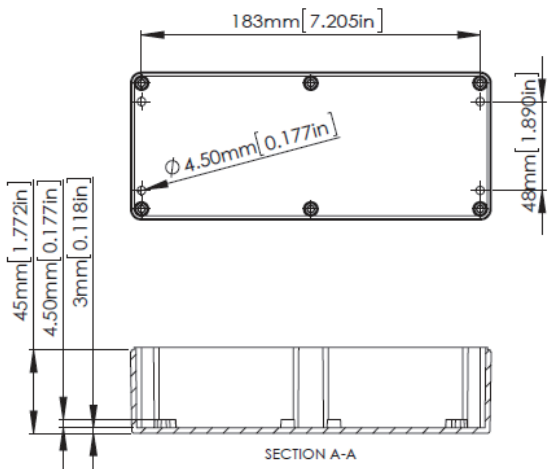
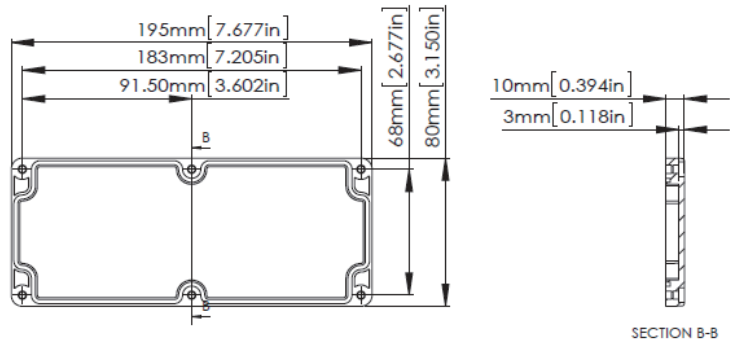
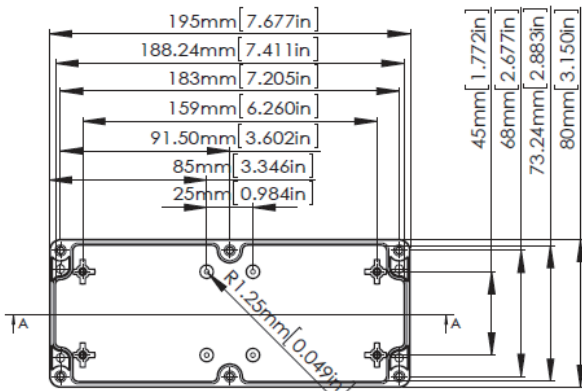
**G223 / G223C / G340**



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

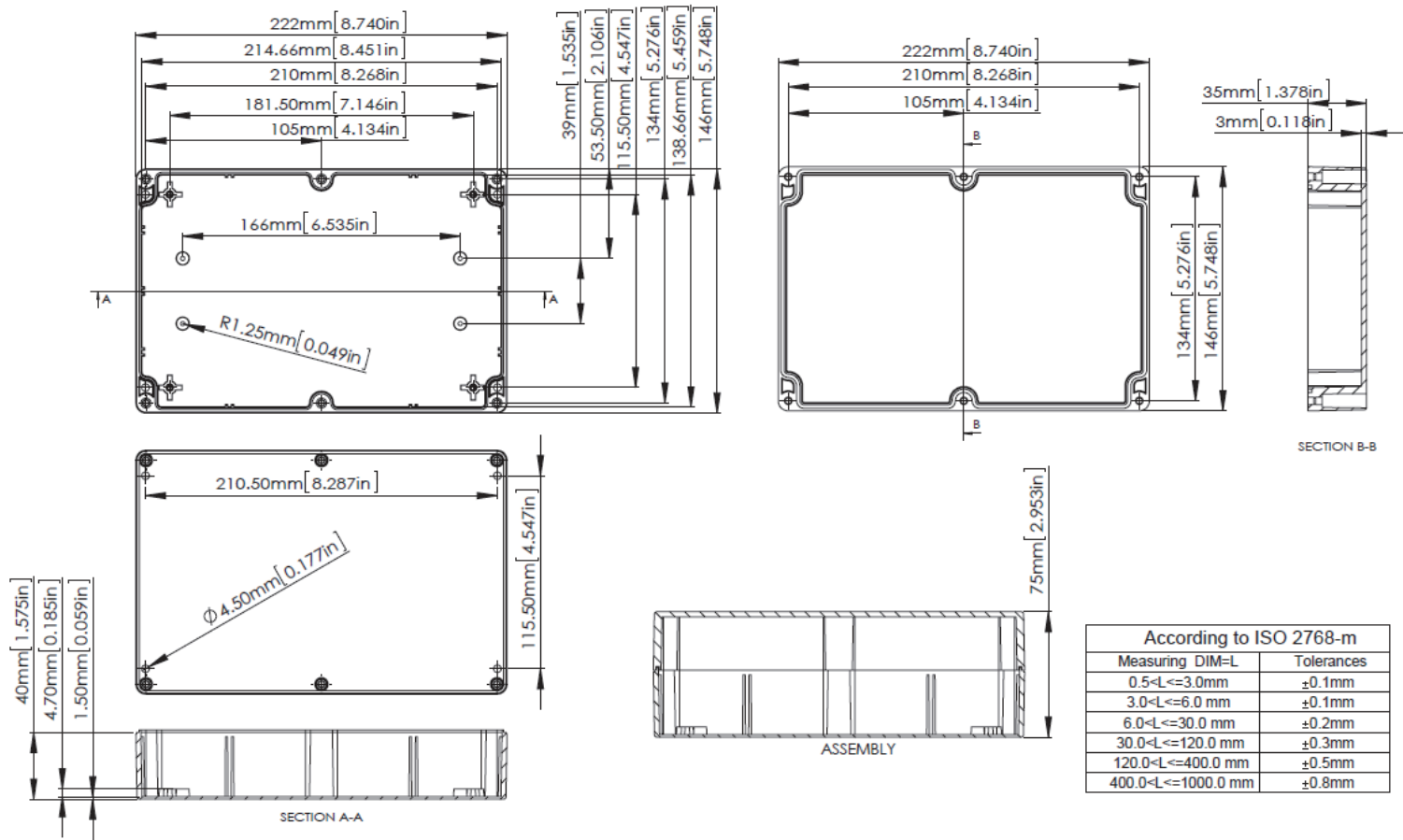
**G229 / G229C / G346**



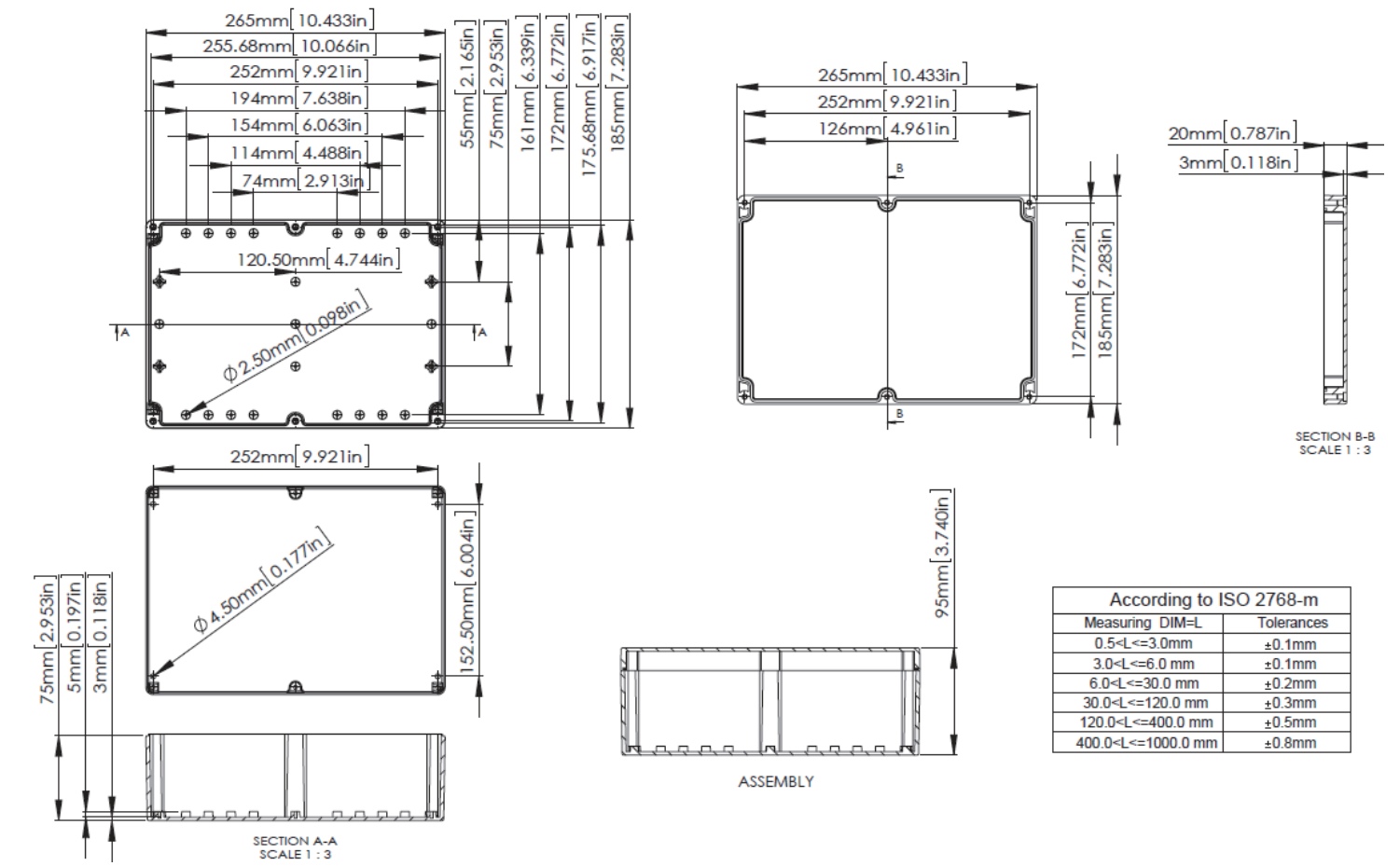
According to ISO 2768-m

Measuring DIM=L	Tolerances
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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

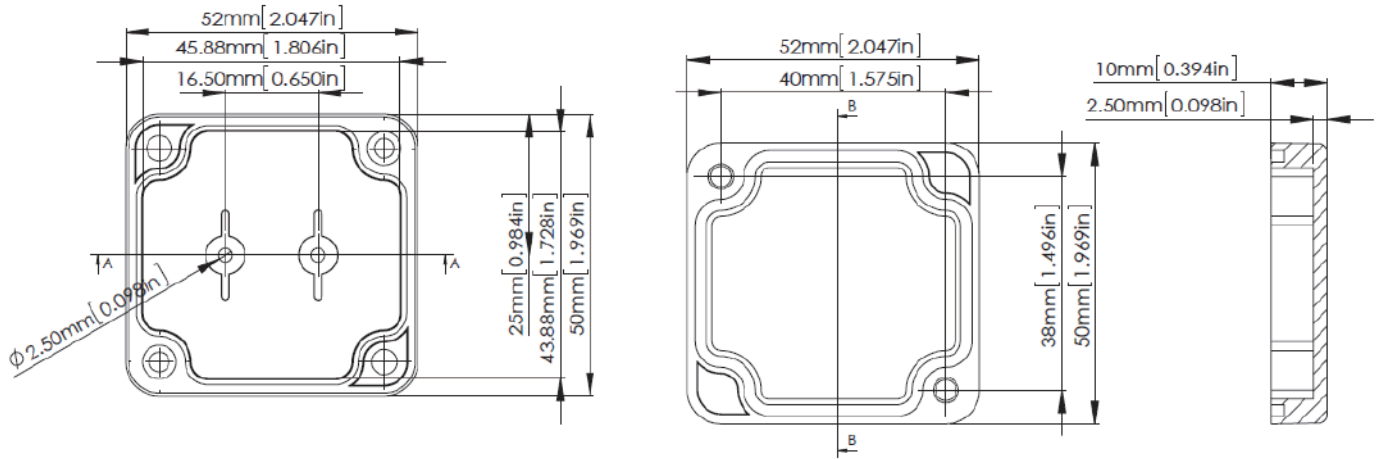
**G232 / G232C / G353**



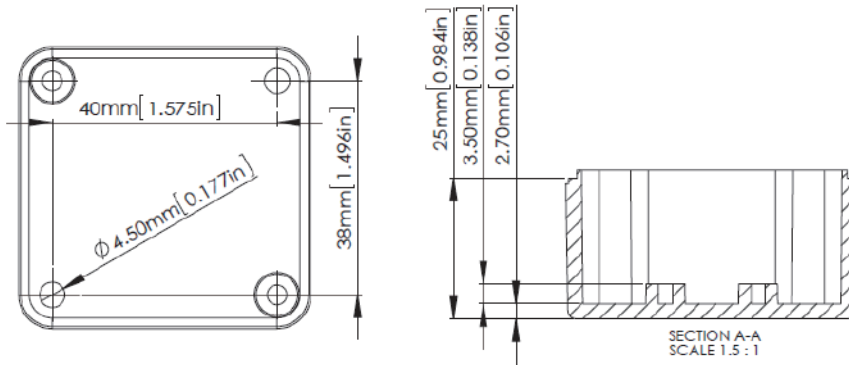
**G238 / G238C / G378**



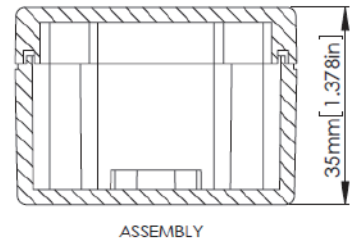
**G250 / G250C / G362**



SECTION B-B  
SCALE 1.5 : 1



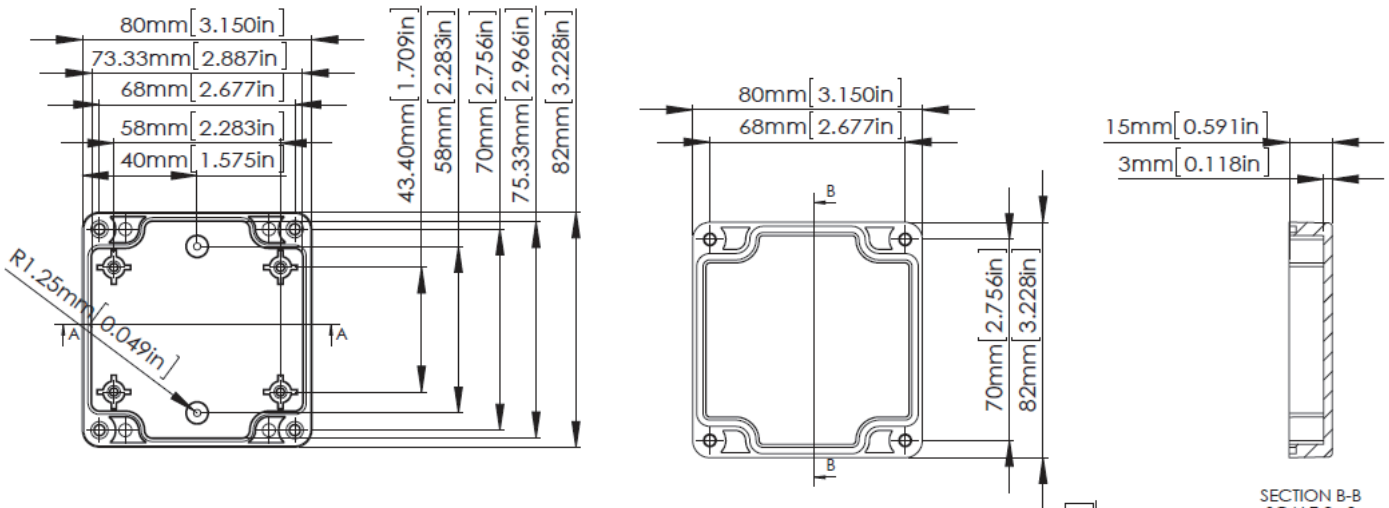
SECTION A-A  
SCALE 1.5 : 1



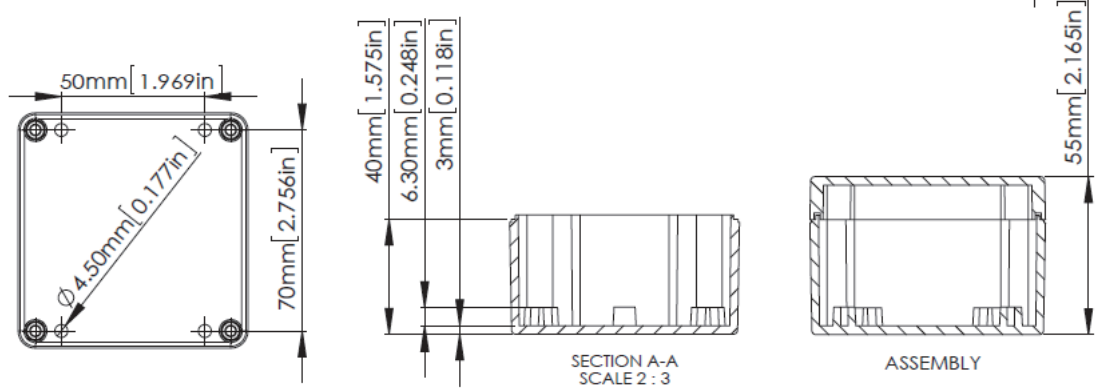
ASSEMBLY

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

**G256 / G256C / G366**



SECTION B-B  
SCALE 2 : 3

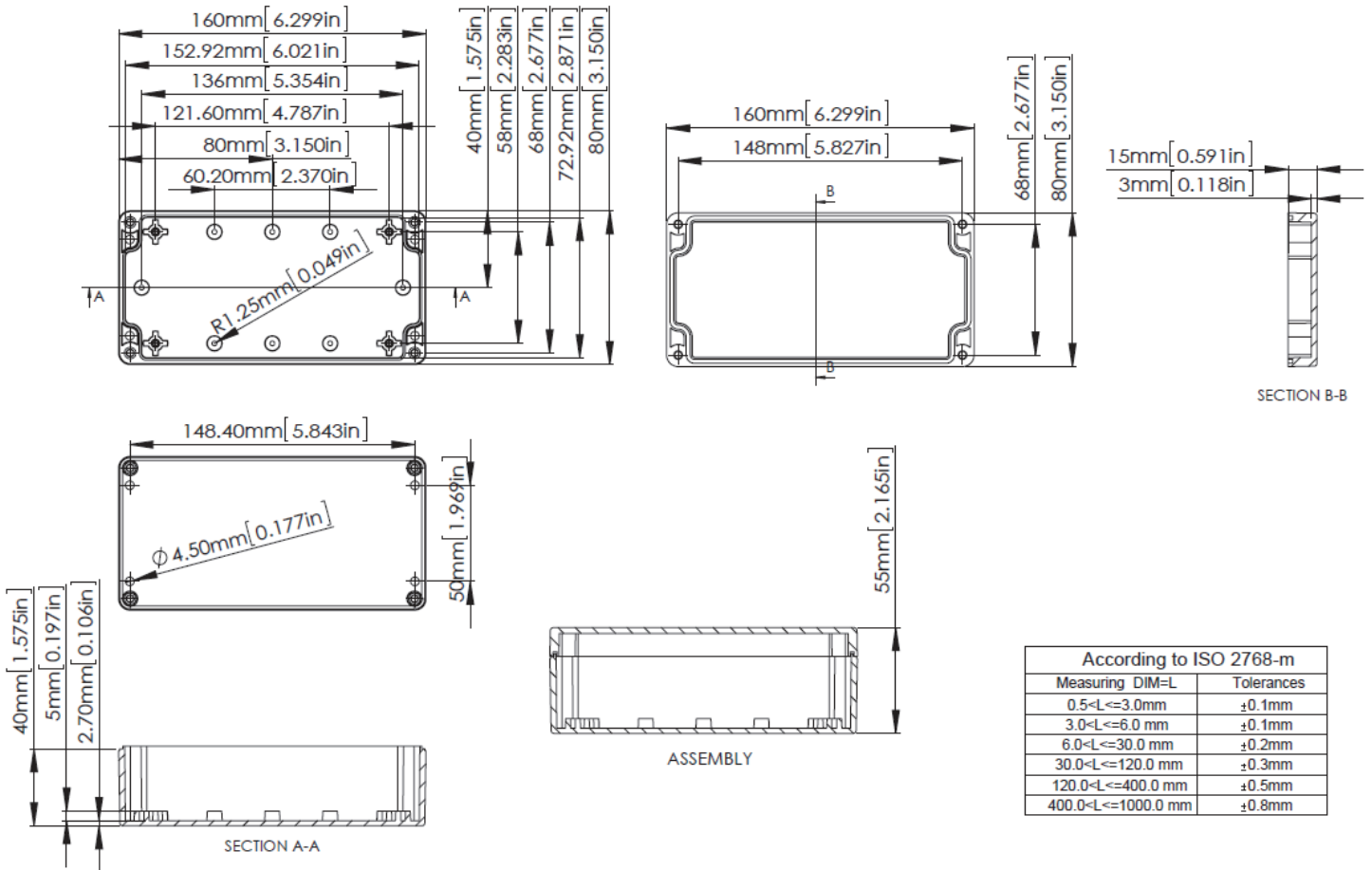


SECTION A-A  
SCALE 2 : 3

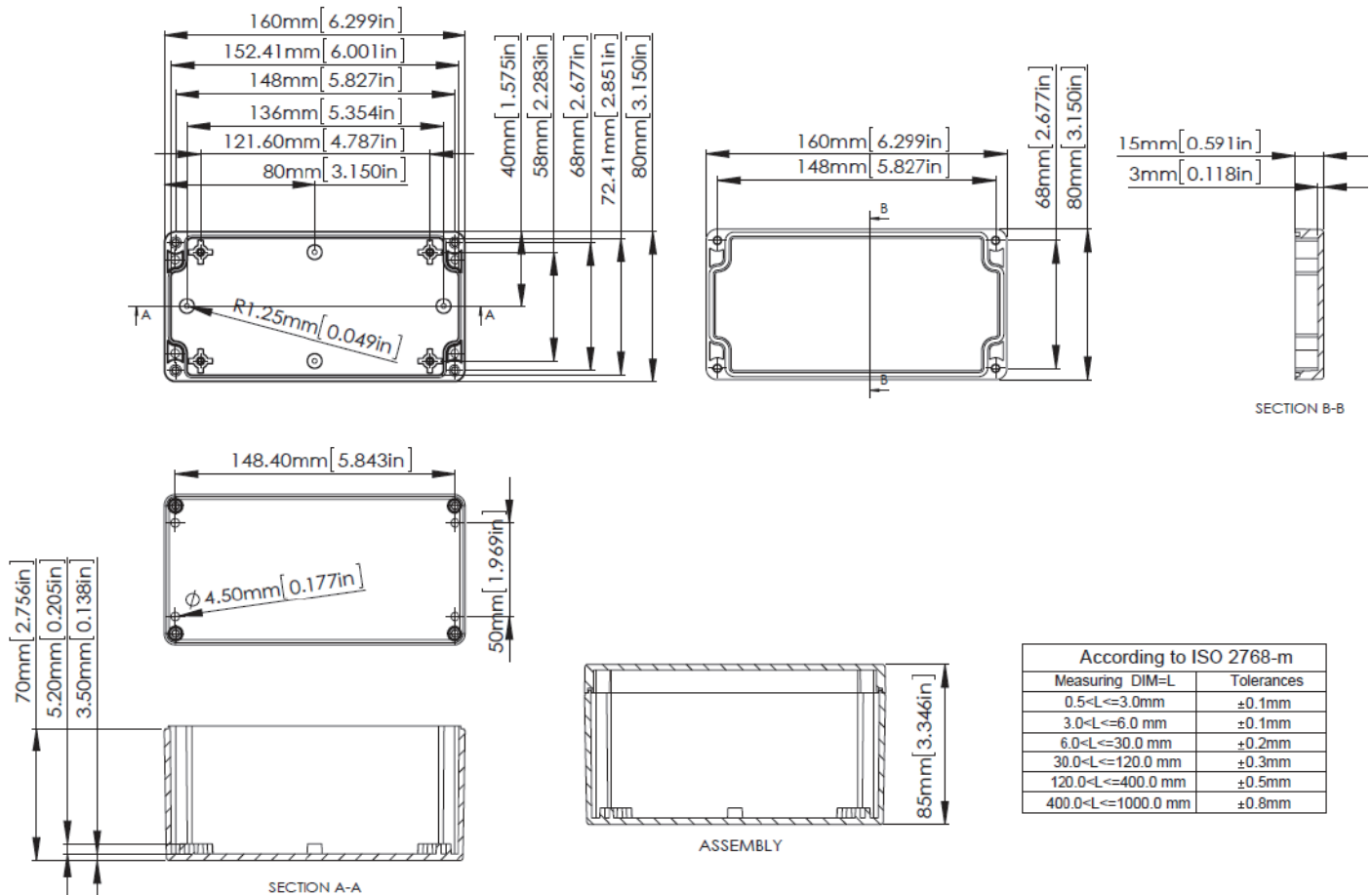
ASSEMBLY

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

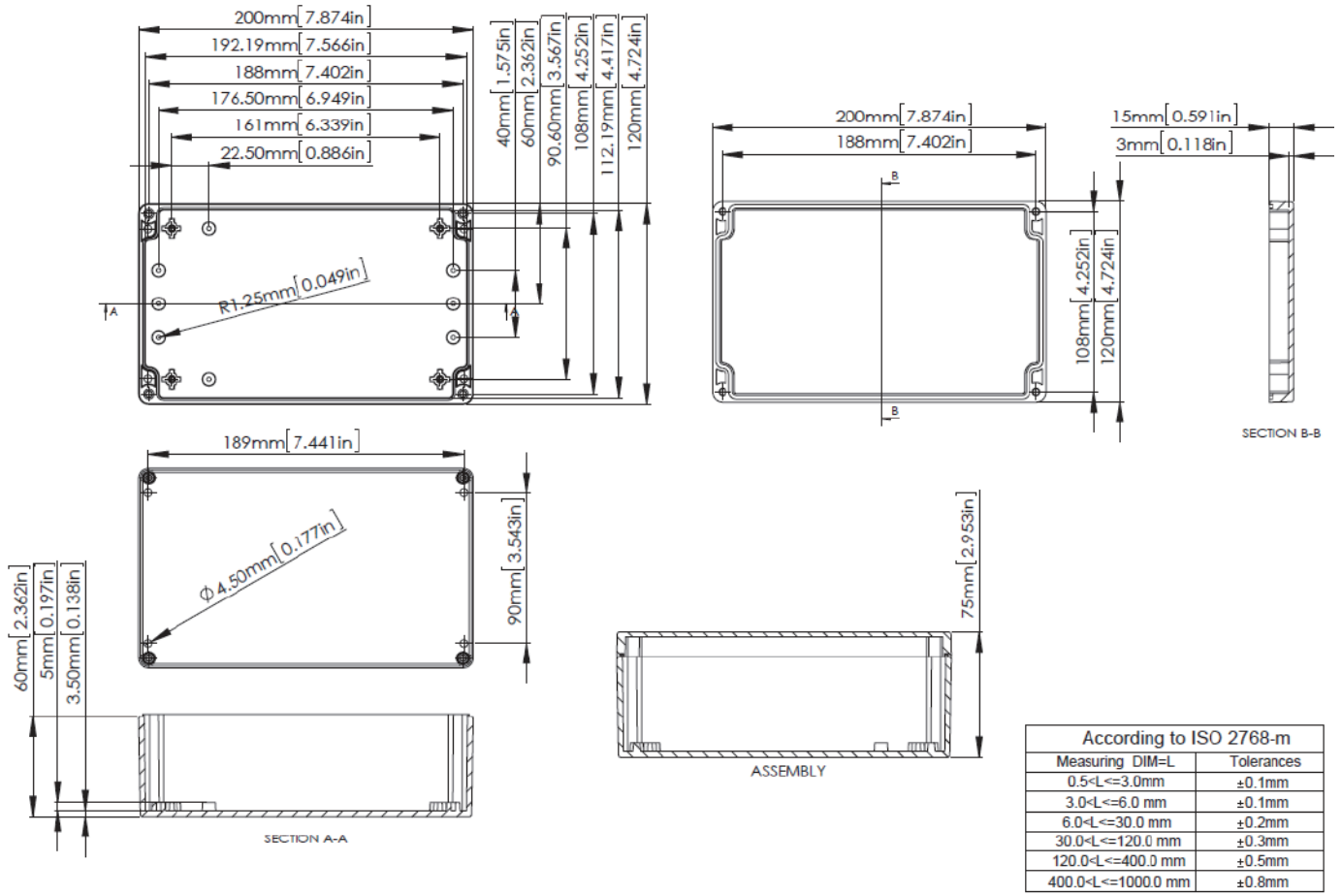
**G258 / G258C / G368**



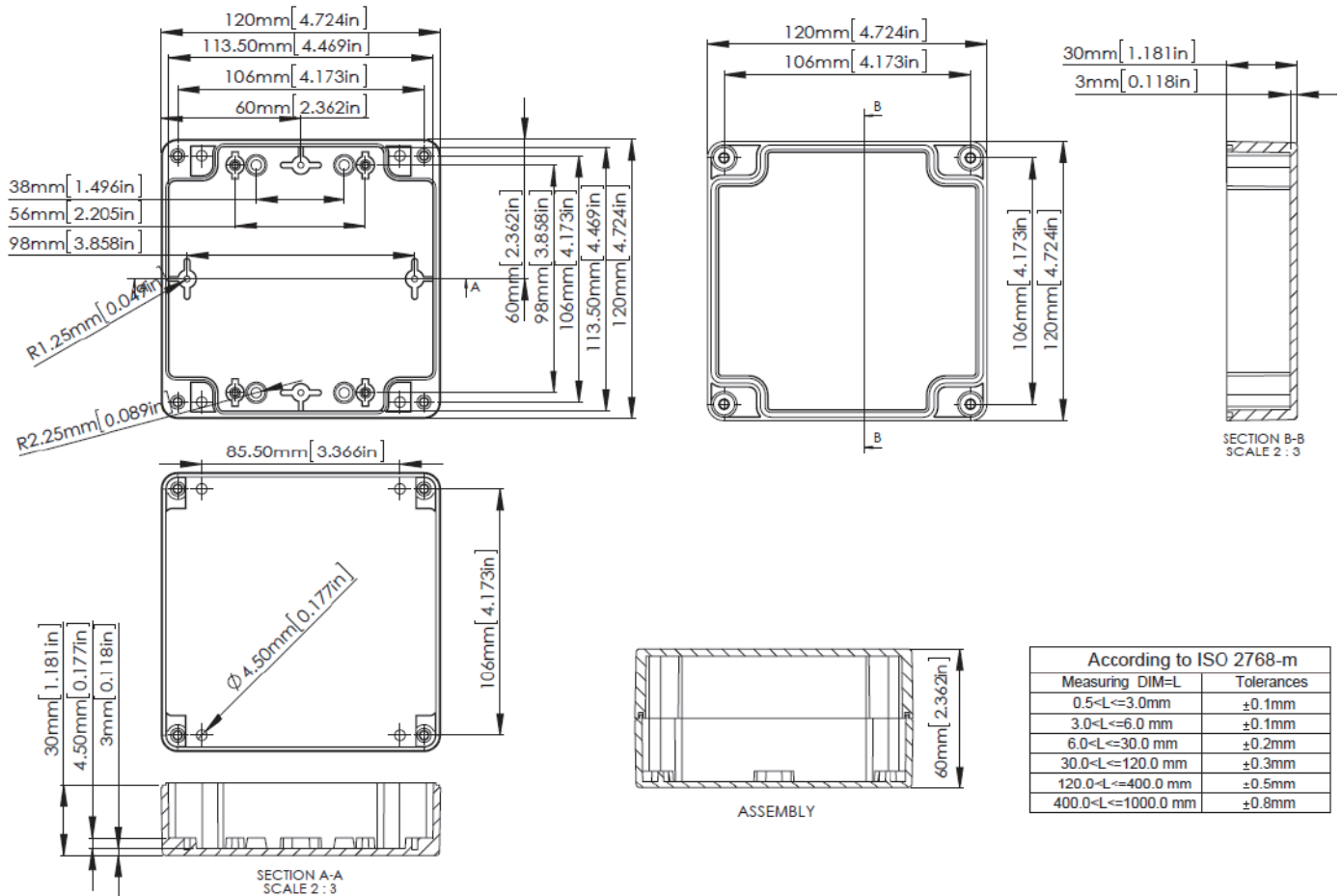
**G265 / G265C / G369**



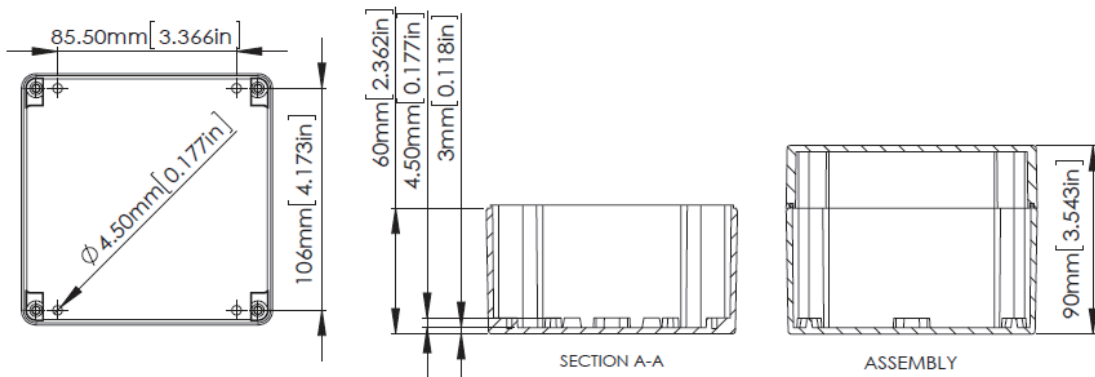
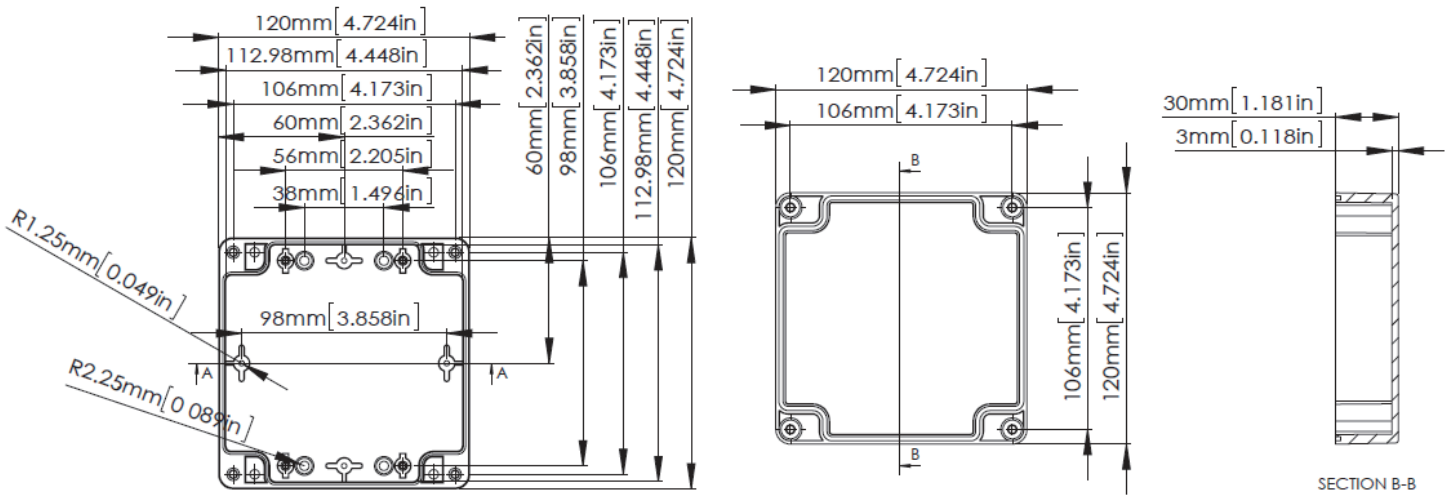
**G269 / G269C / G373**



**G278 / G278C / G386**



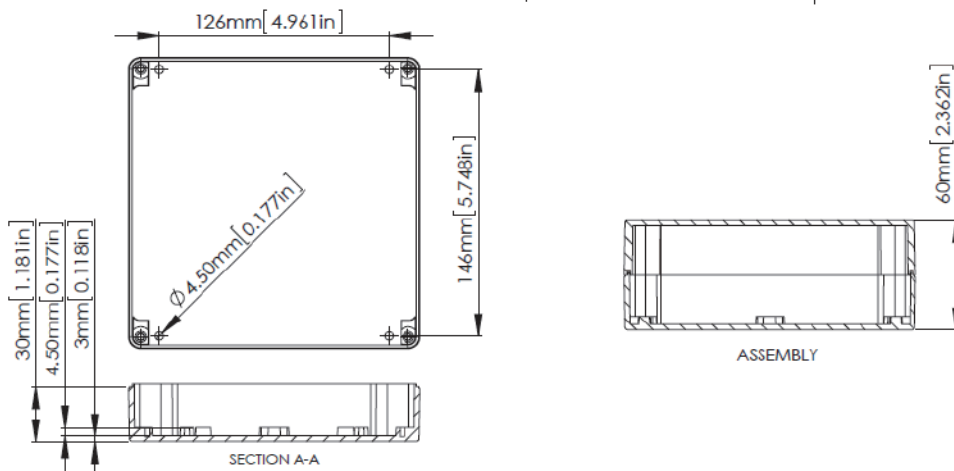
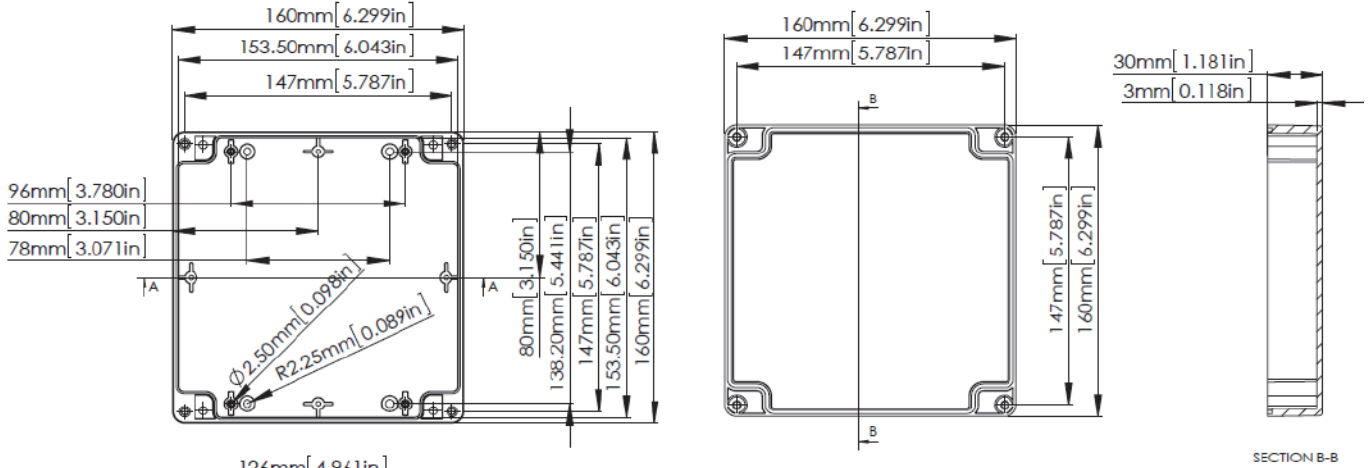
**G279 / G279C / G387**



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

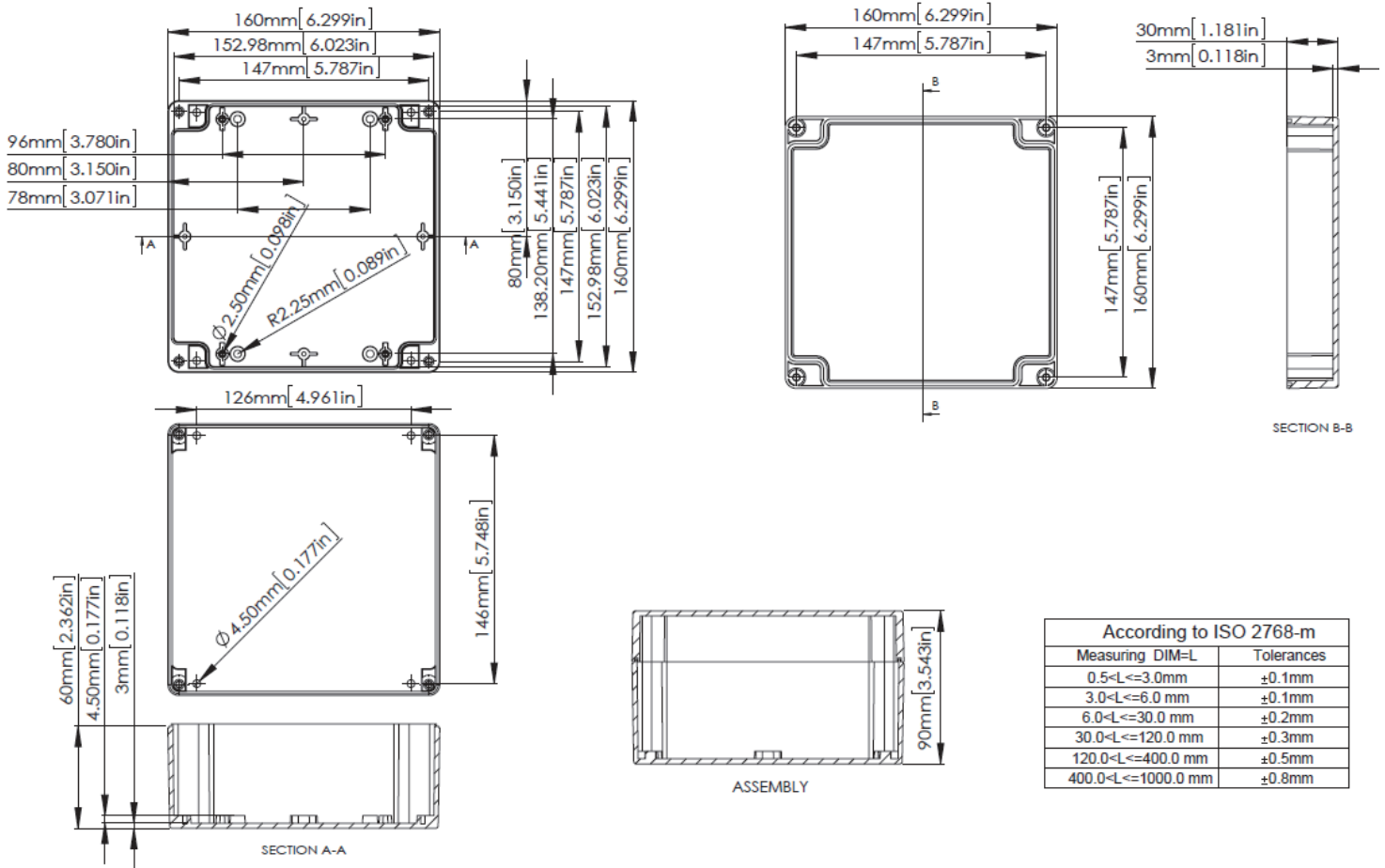
**G287 / G287C / G396**



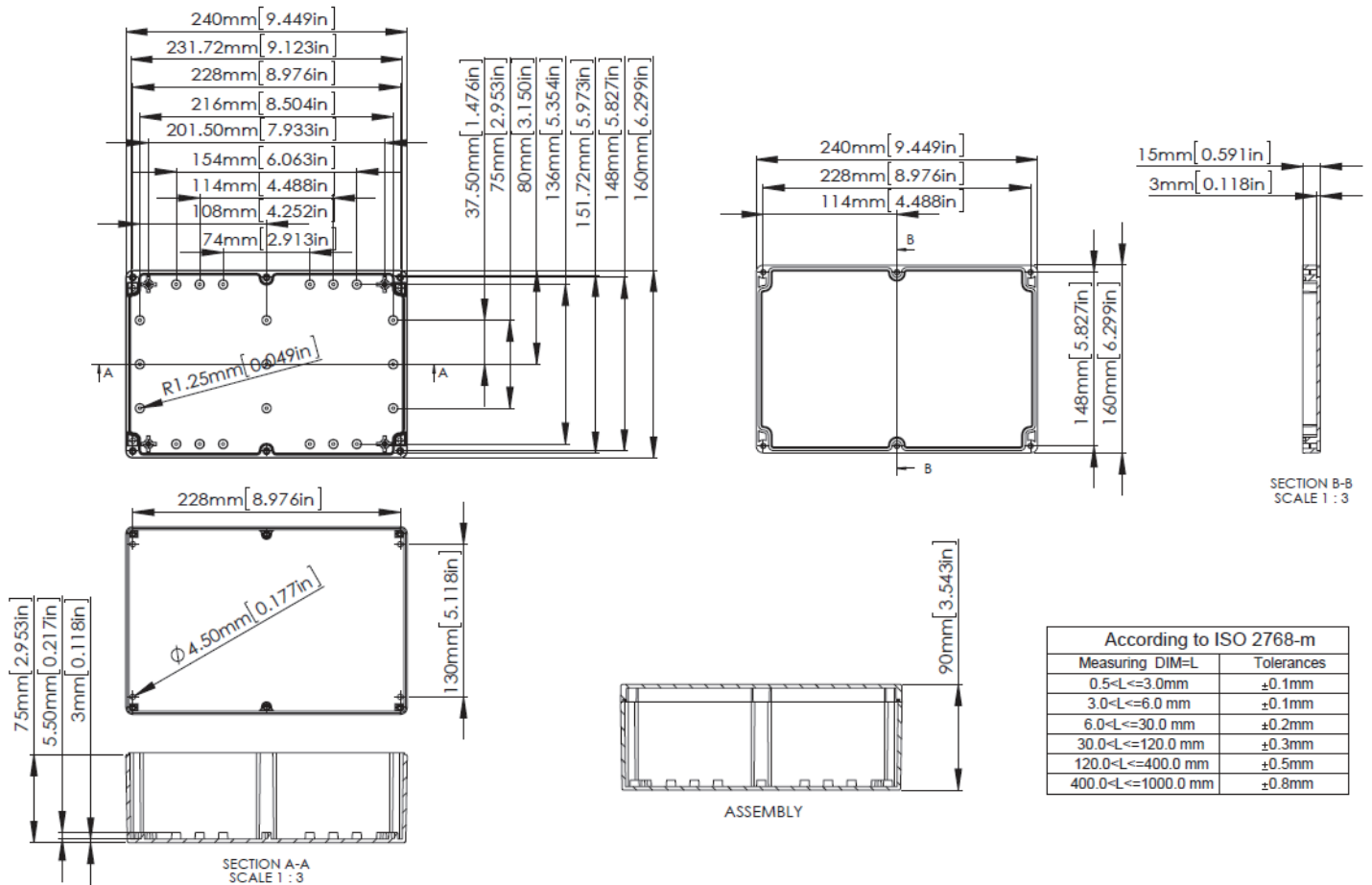
According to ISO 2768-m

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

**G288 / G288C / G399**

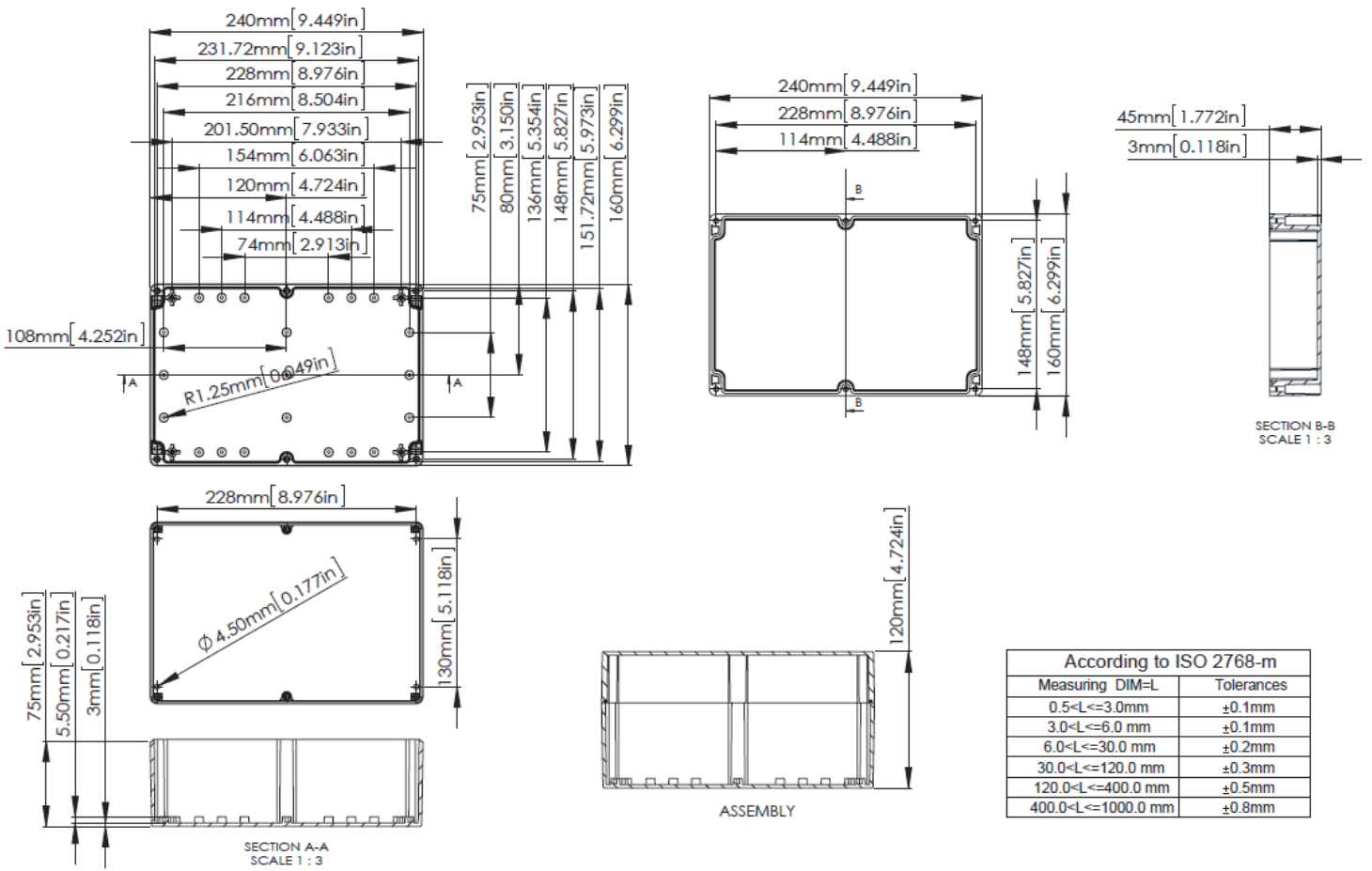


**G2018 / G2018C / G3008**

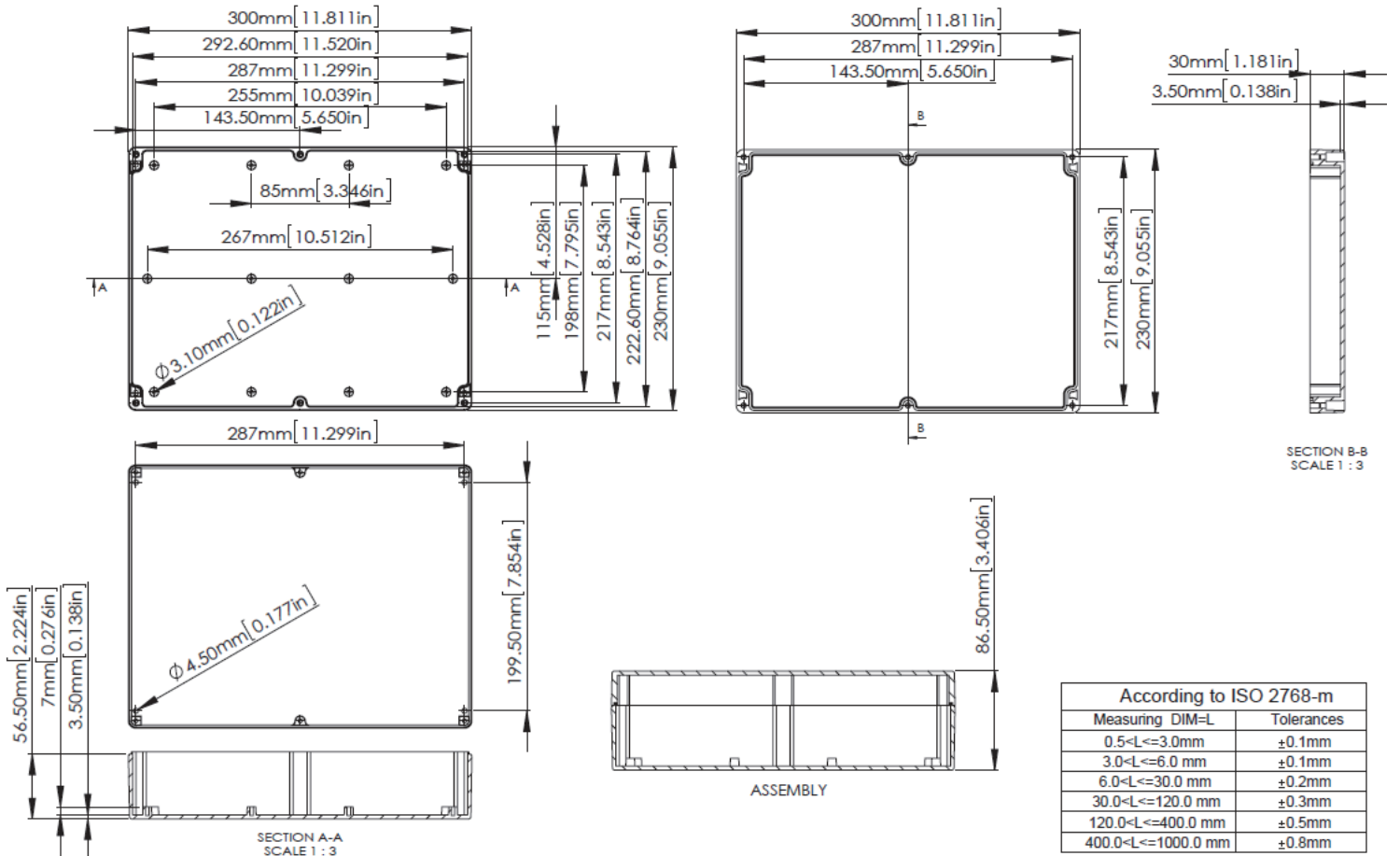




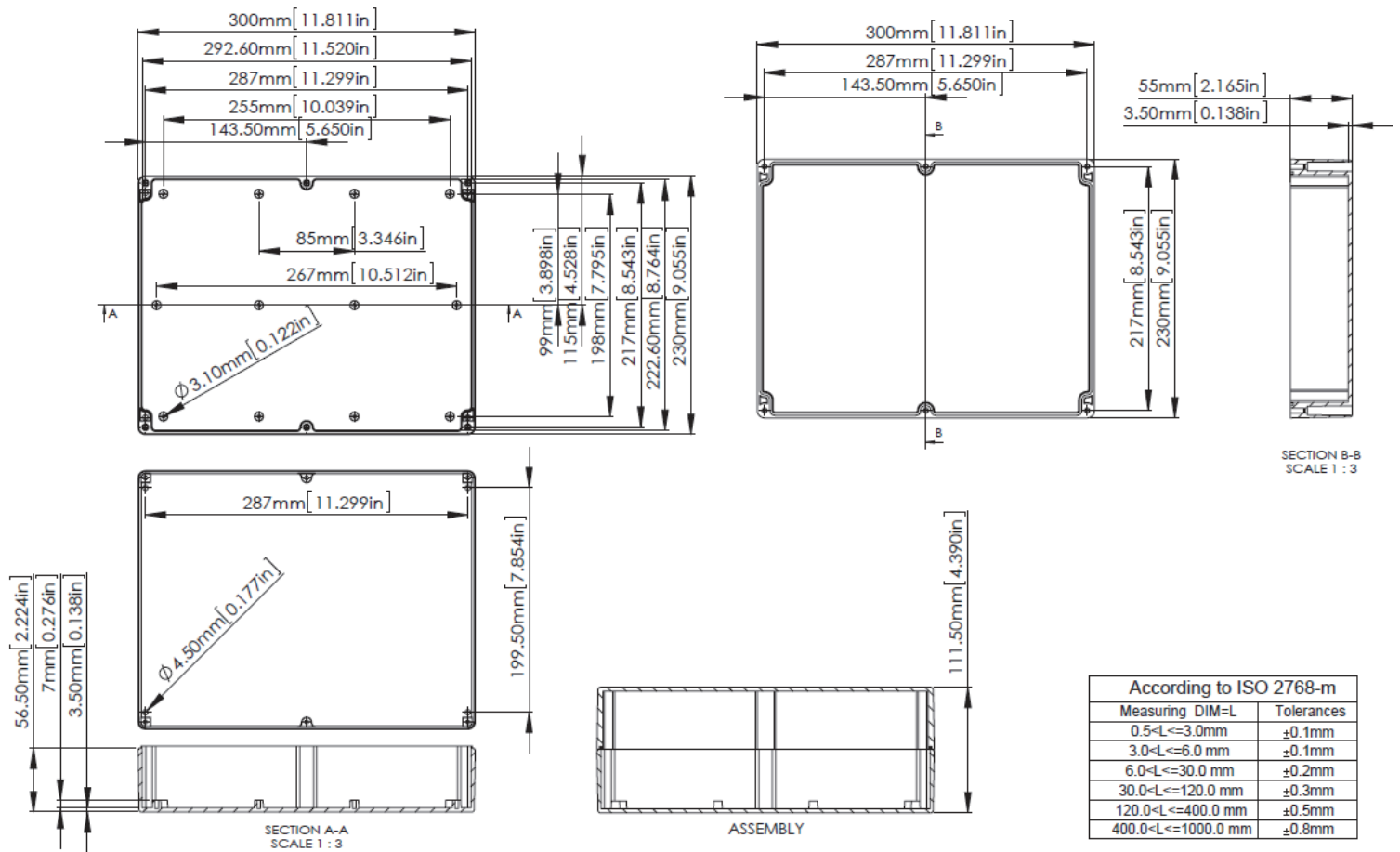
**G2025 / G2025C / G3019**



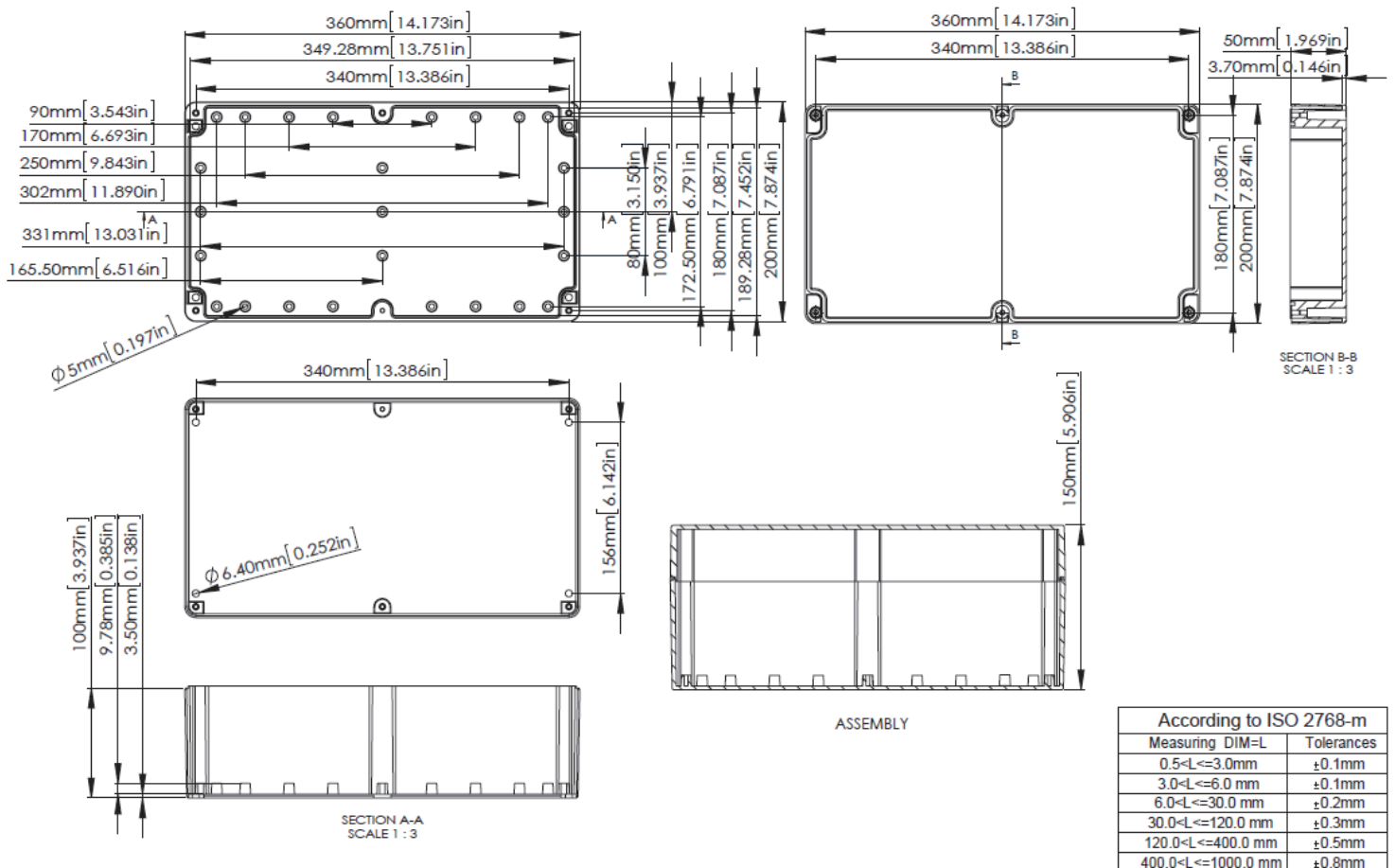
**G2029 / G2029C / G3028**



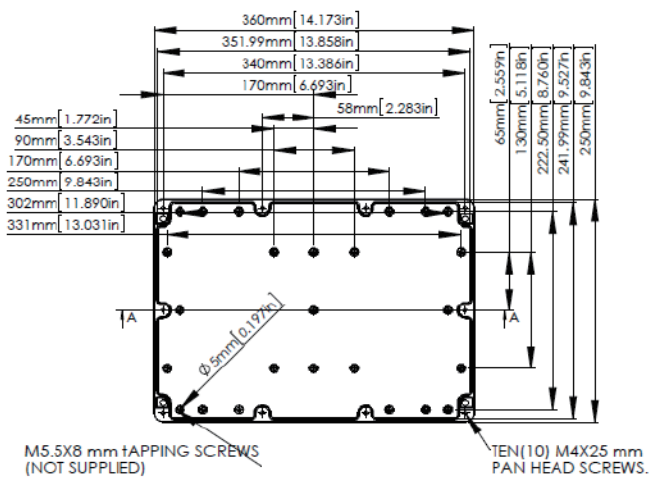
**G2038 / G2038C / G3031**



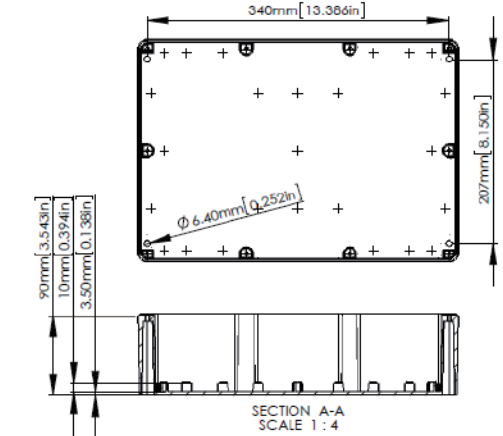
**G2058 / G2058C / G3039**



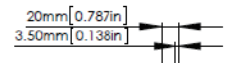
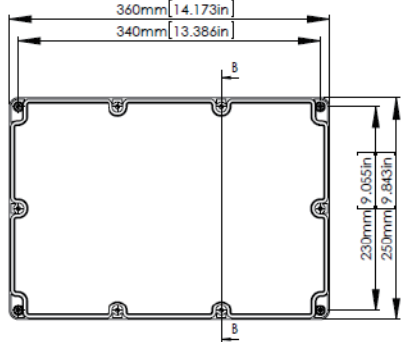
**G20793 / G20793C / G30693**



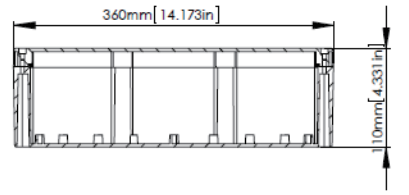
M5.5X8 mm TAPPING SCREWS (NOT SUPPLIED) TEN (10) M4X25 mm PAN HEAD SCREWS.



SECTION A-A SCALE 1 : 4



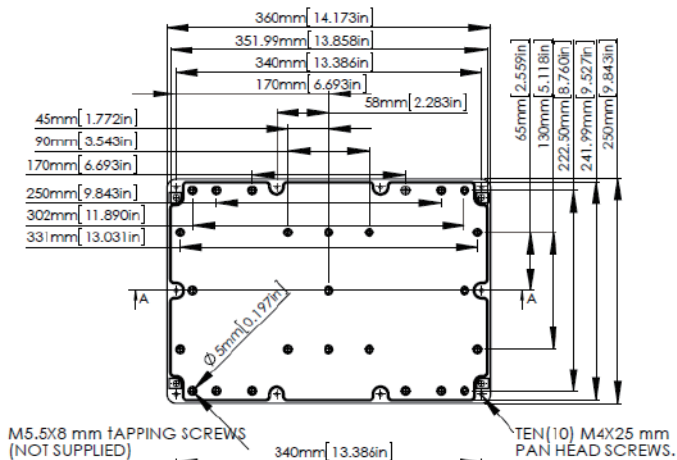
SECTION B-B SCALE 1 : 4



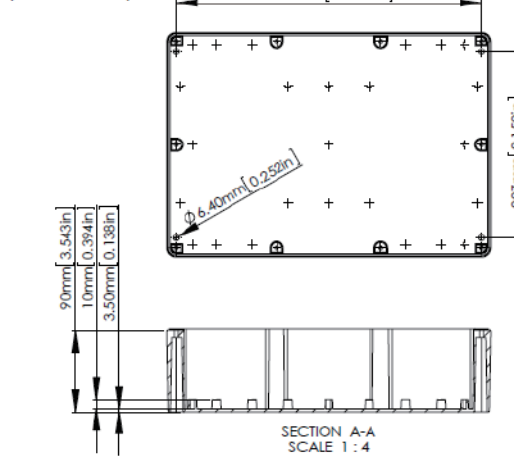
According to ISO 2768-m

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

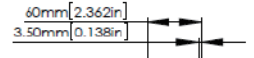
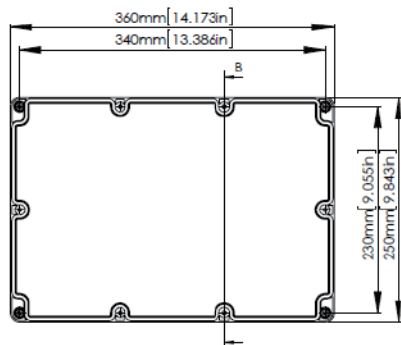
**G20883 / G20883C / G30993**



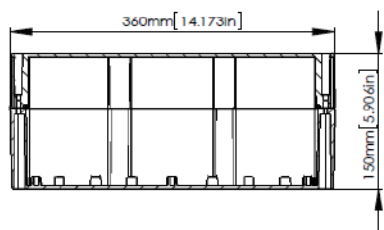
M5.5X8 mm TAPPING SCREWS (NOT SUPPLIED) TEN (10) M4X25 mm PAN HEAD SCREWS.



SECTION A-A SCALE 1 : 4



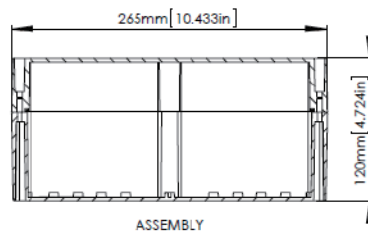
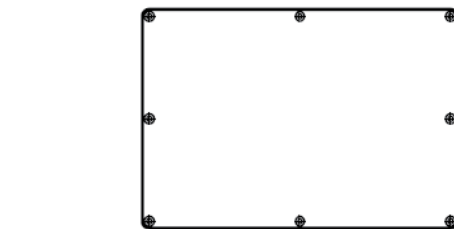
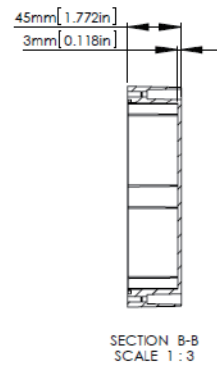
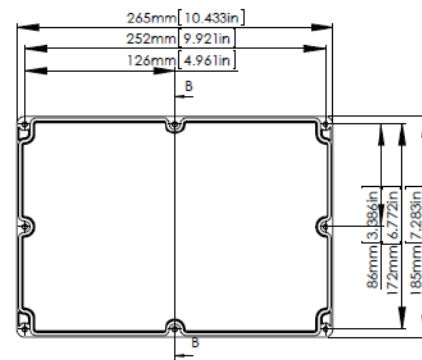
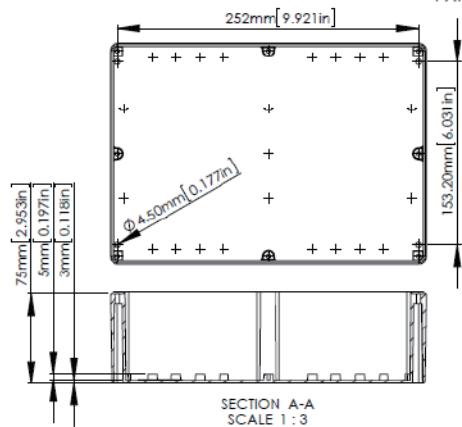
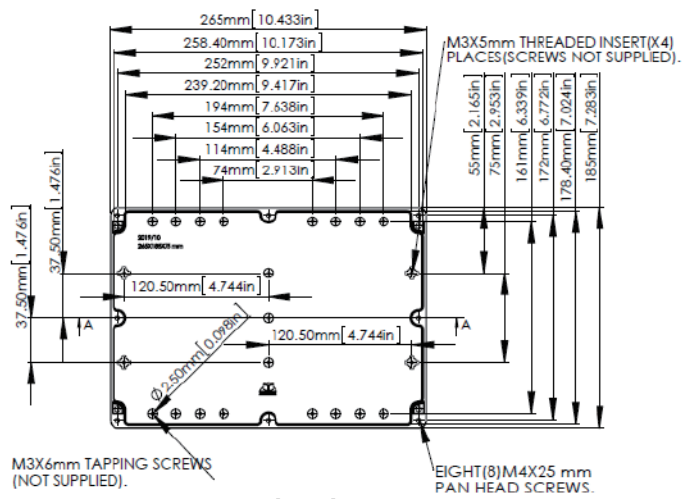
SECTION B-B SCALE 1 : 4



According to ISO 2768-m

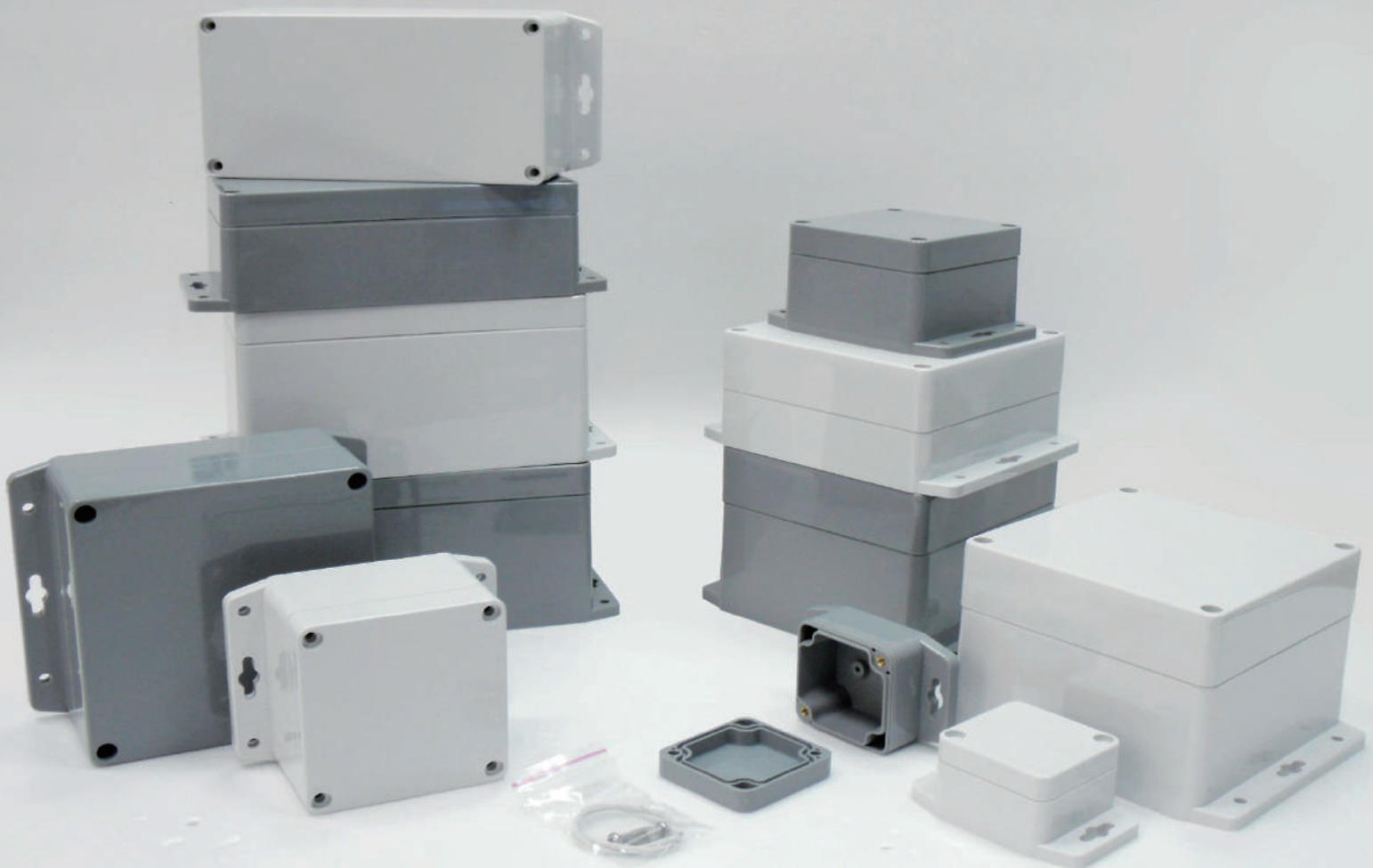
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**G2393 / G2393C / G3913**



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

## IP65 POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE



### PRODUCT INFORMATION

- The lid and base incorporate a tongue and groove sealing system with a EPDM gasket.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Designed to IP65 of IEC 529 (Dust and Hoseproof).
- 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.



G256MF



G258CMF



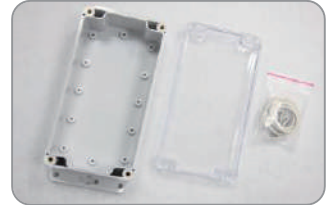
G366MF

**PC**  
(G2XXMF)  
(G2XXCMF)

- Material: Polycarbonate (UL94-HB)
  - Moulded in: Light Grey.
  - Operating temperature: -40°C to 120°C.
  - Clear lid is available on request.
  - Mounting flange is designed on the bottom of the base, so the base can be mounted with pan head type of screws on the wall easily.
- \*\*Detailed screw size please refer the product drawing.**



G256MF



G258CMF



G366MF

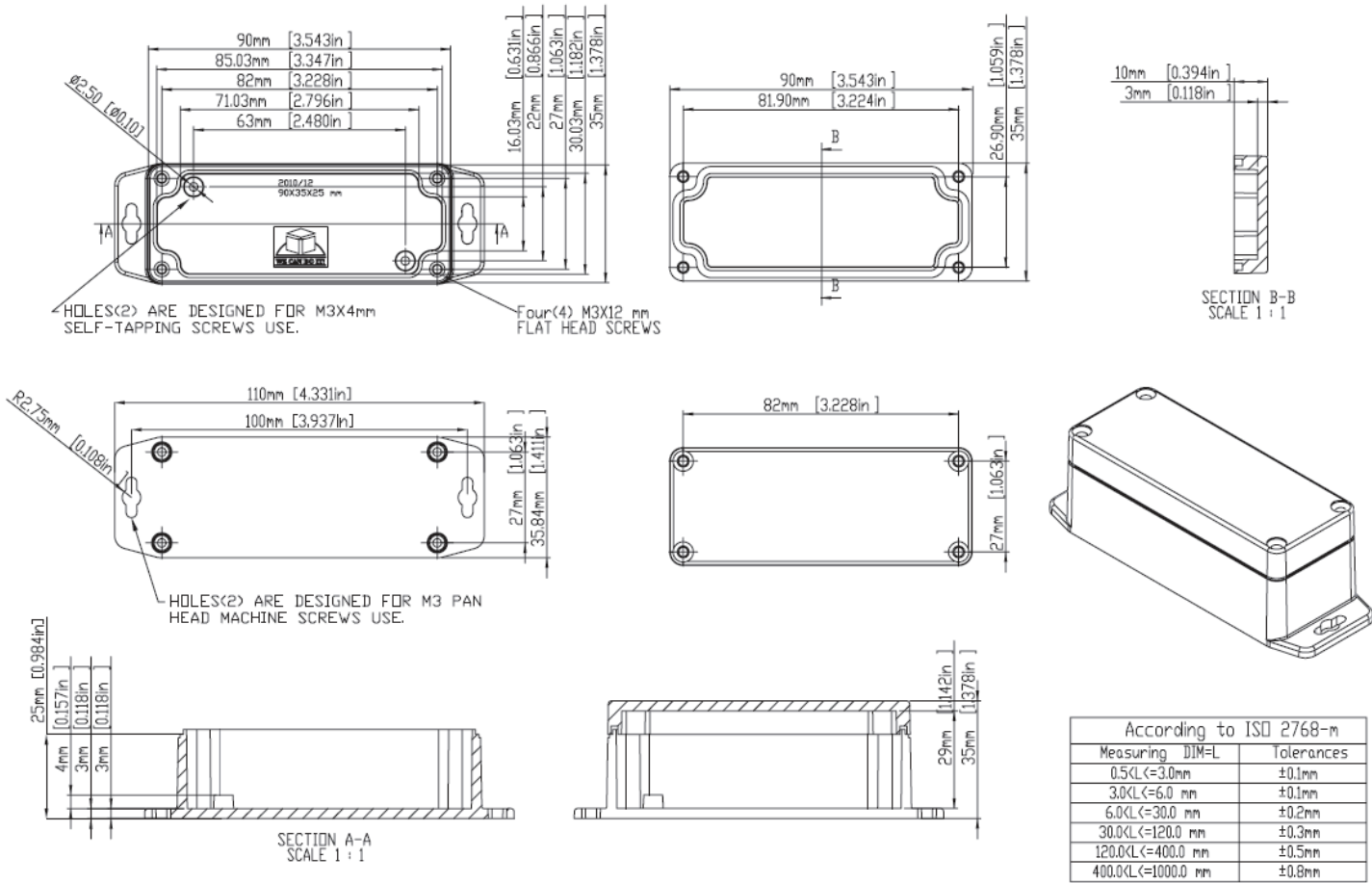
**ABS**  
(G3XXMF)

- Material: High Impact ABS (UL94-HB)
  - Moulded in: Dark Grey.
  - Operating temperature: -20°C to 60°C
  - Mounting flange is designed on the bottom of the base, so the base can be mounted with pan head type of screws on the wall easily.
- \*\*Detailed screw size please refer the product drawing.**

MATERIAL : POLYCARBONATE		EXTERNAL DIMENSION(mm)	MATERIAL : ABS
Light Grey Lid + Light Grey Base	Clear Lid + Light Grey Base		Dark Grey Lid + Dark Grey Base
Item No.	Item No.		Item no.
G200MF	G200CMF	90 x 35 x 35	G300MF
G201MF	G201CMF	64 x 58 x 35	G302MF
G203MF	G203CMF	115 x 65 x 40	G304MF
G205MF	G205CMF	115 x 65 x 55	G308MF
G212MF	G212CMF	115 x 90 x 55	G311MF
G214MF	G214CMF	171 x 121 x 55	G313MF
G218MF	G218CMF	222 x 146 x 55	G317MF
G221MF	G221CMF	115 x 90 x 80	G331MF
G223MF	G223CMF	171 x 121 x 80	G340MF
G232MF	G232CMF	222 x 146 x 75	G353MF
G250MF	G250CMF	52 x 50 x 35	G362MF
G256MF	G256CMF	82 x 80 x 55	G366MF
G258MF	G258CMF	160 x 80 x 55	G368MF
G265MF	G265CMF	160 x 80 x 85	G369MF
G278MF	G278CMF	120 x 120 x 60	G386MF
G279MF	G279CMF	120 x 120 x 90	G387MF
<b>NEW</b> G2393MF	G2393CMF	265 x 185 x 120	G3913MF

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

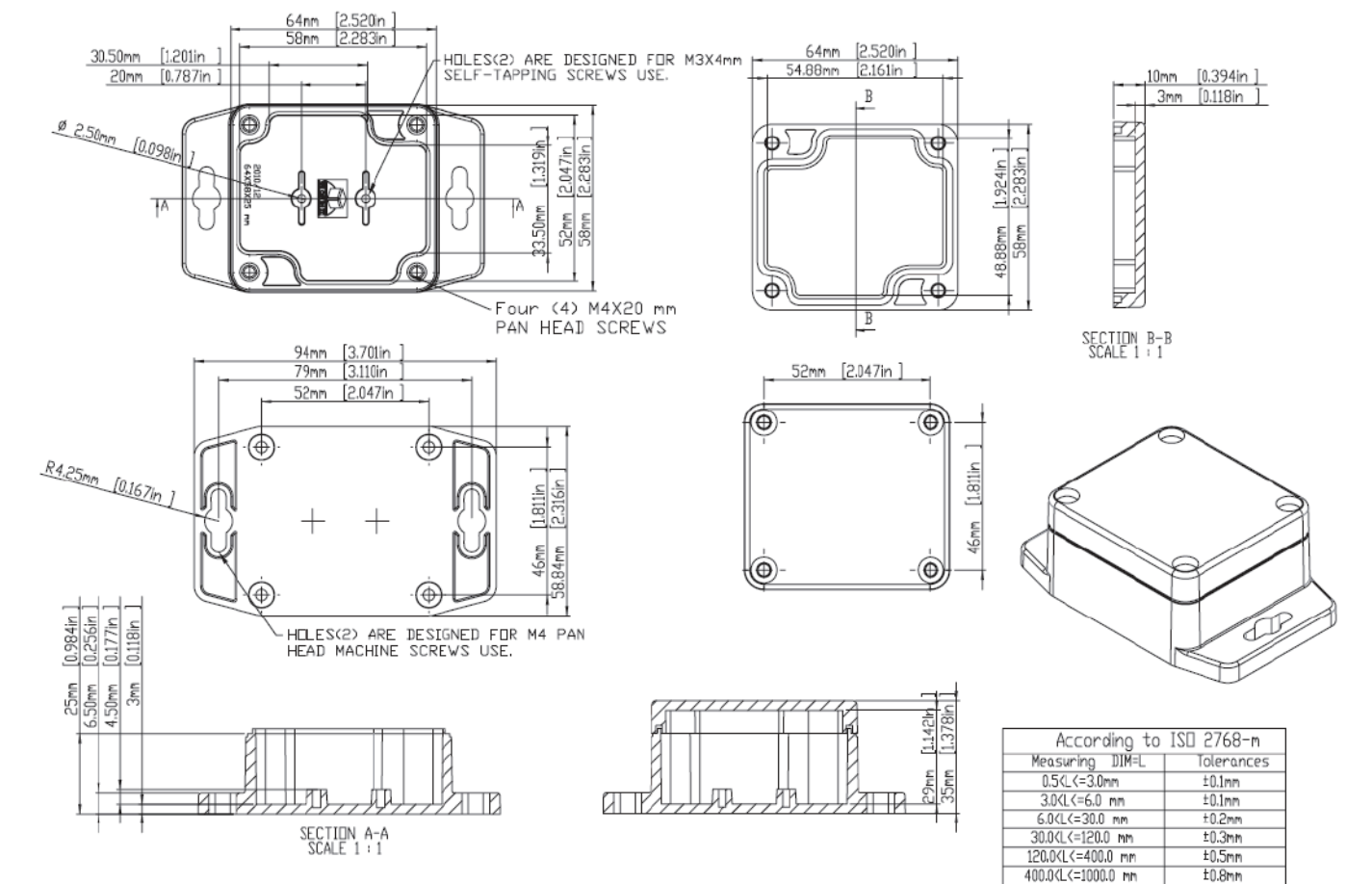
**G200MF / G200CMF / G300MF**



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

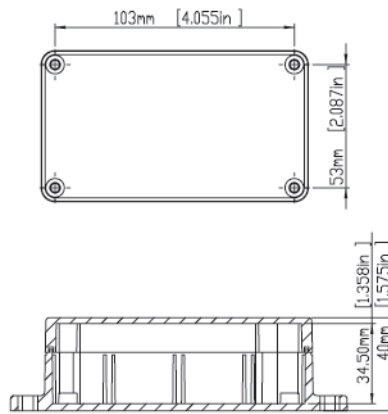
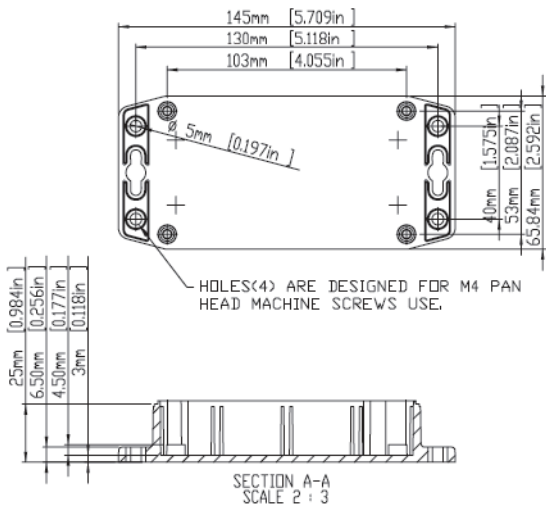
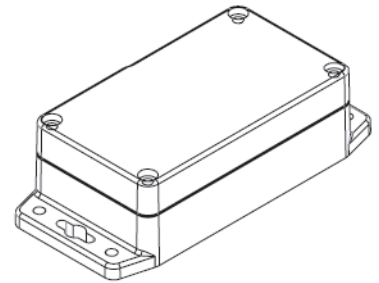
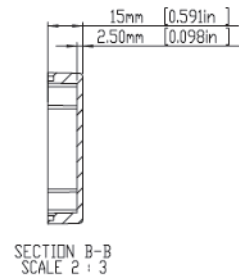
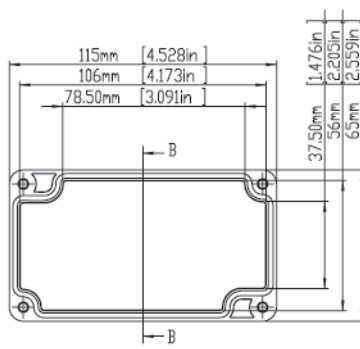
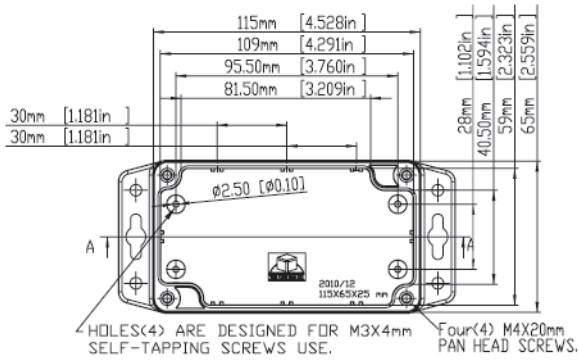
**G201MF / G201CMF / G302MF**



According to ISO 2768-n

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

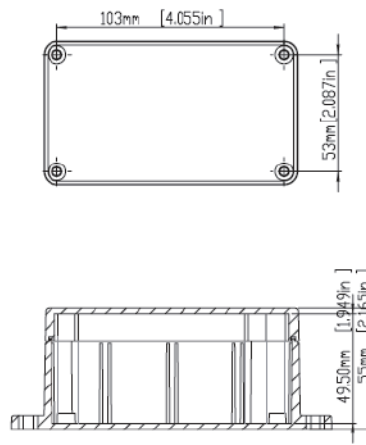
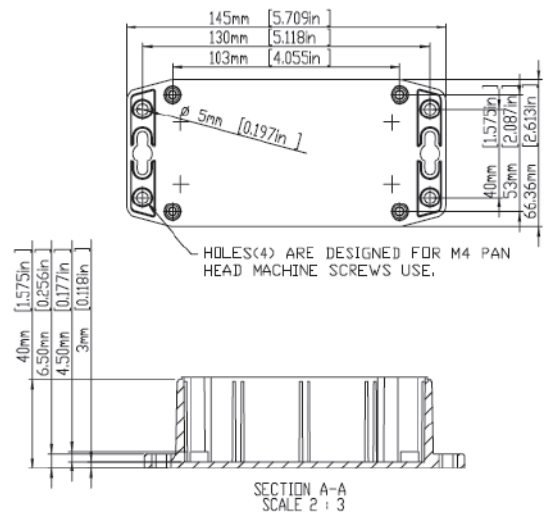
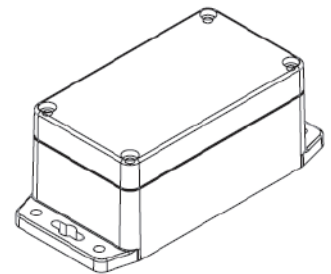
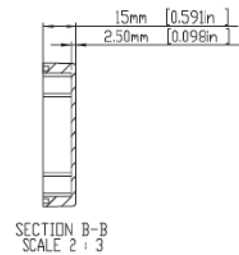
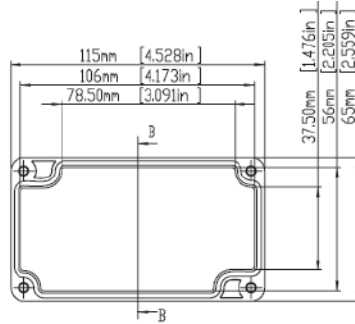
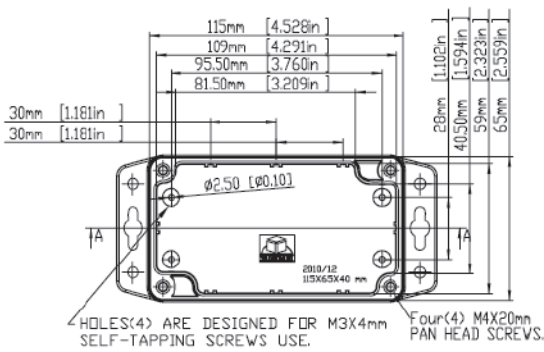
**G203MF / G203CMF / G304MF**



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

**G205MF / G205CMF / G308MF**

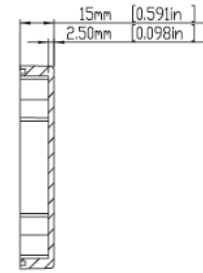
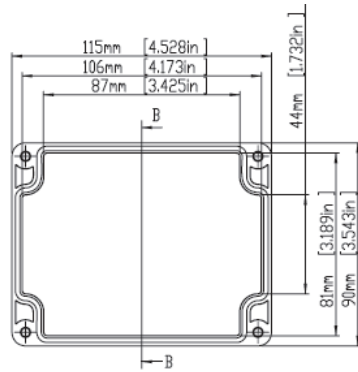
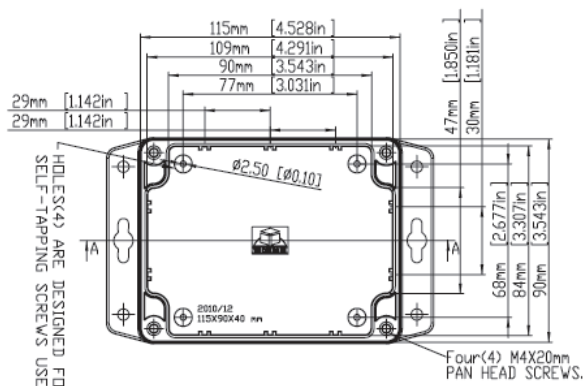


According to ISO 2768-m

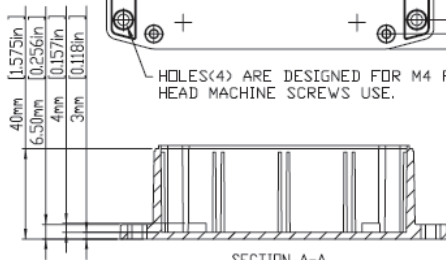
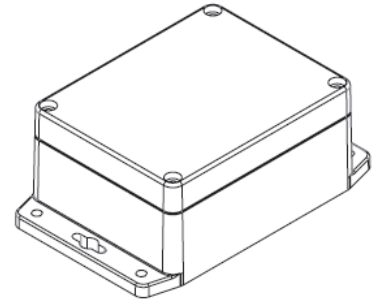
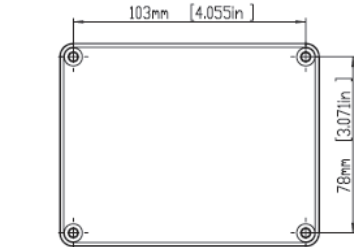
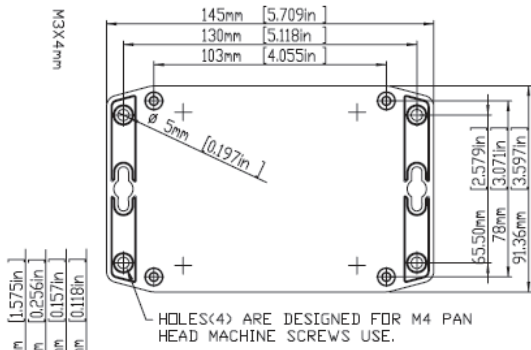
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm



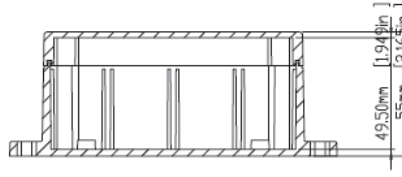
**G212MF / G212CMF / G311MF**



SECTION B-B  
SCALE 2 : 3



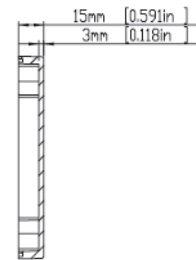
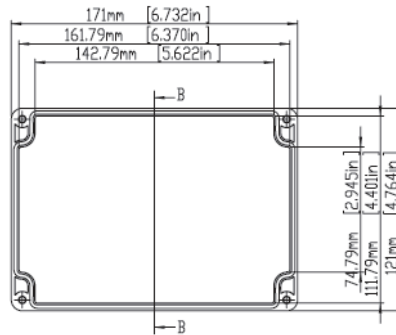
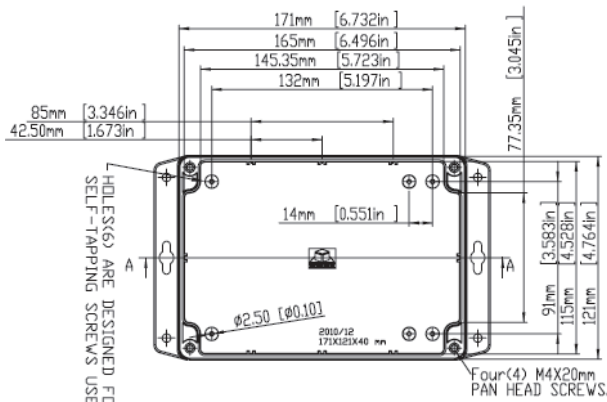
SECTION A-A  
SCALE 2 : 3



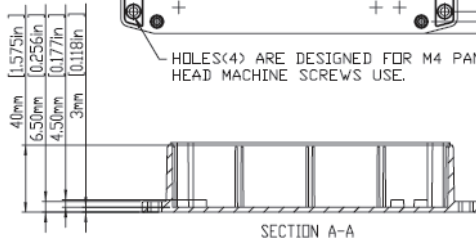
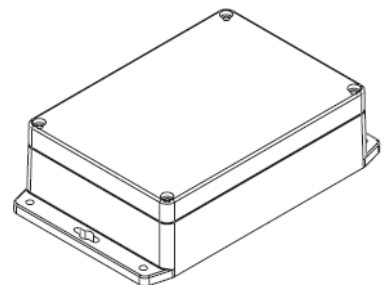
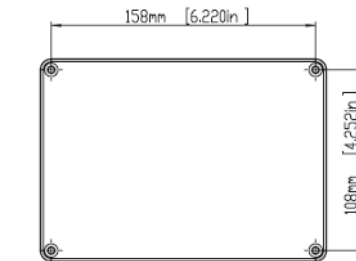
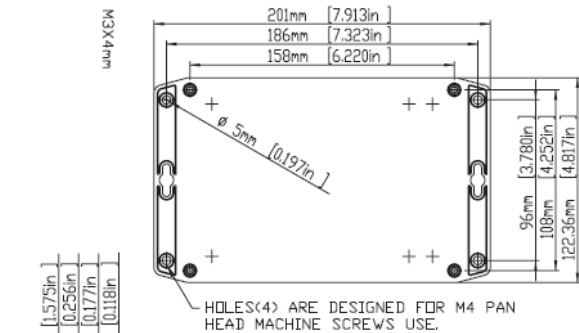
According to ISO 2768-m

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

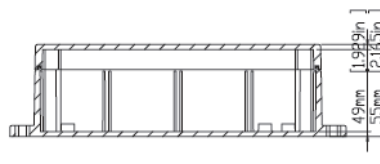
**G214MF / G214CMF / G313MF**



SECTION B-B



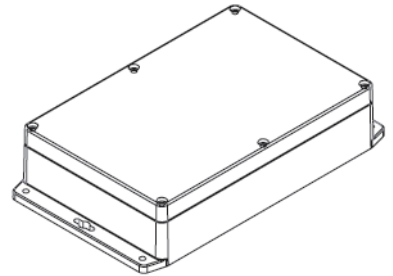
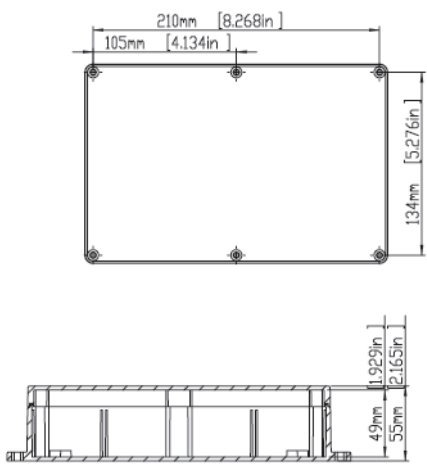
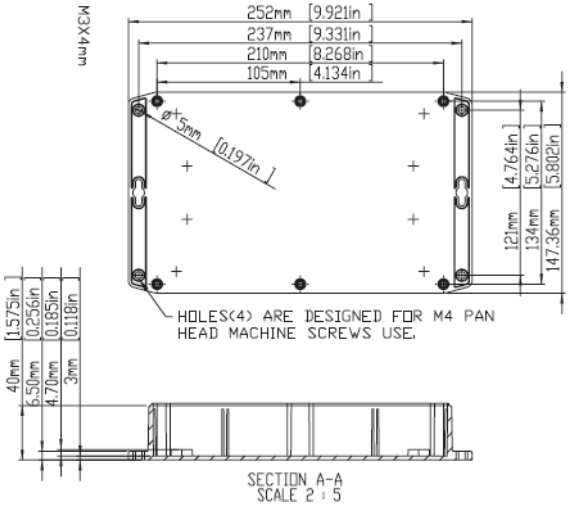
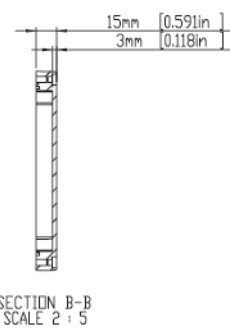
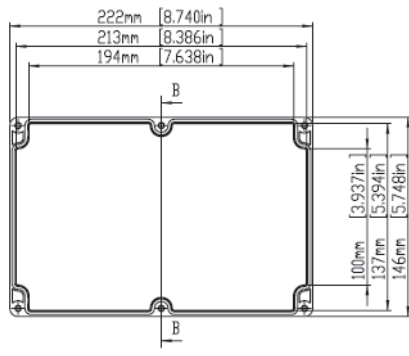
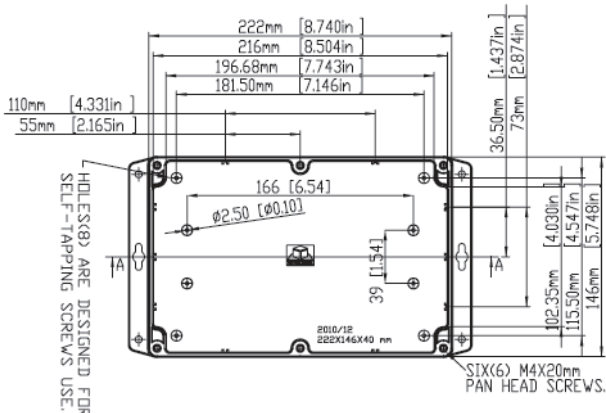
SECTION A-A



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

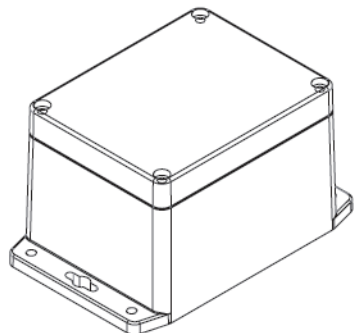
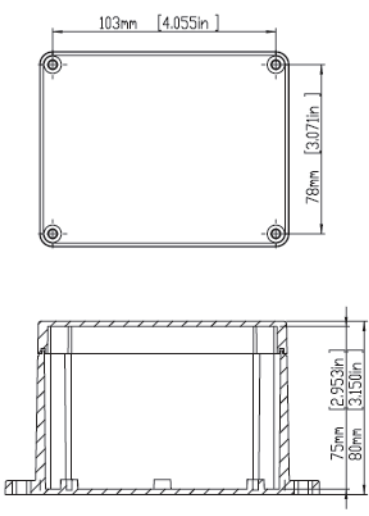
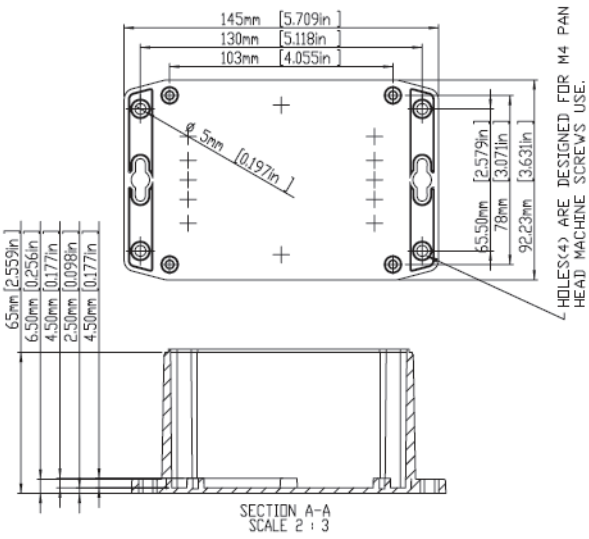
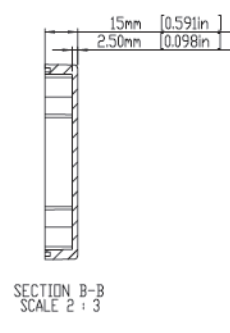
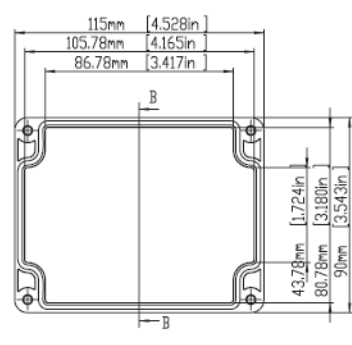
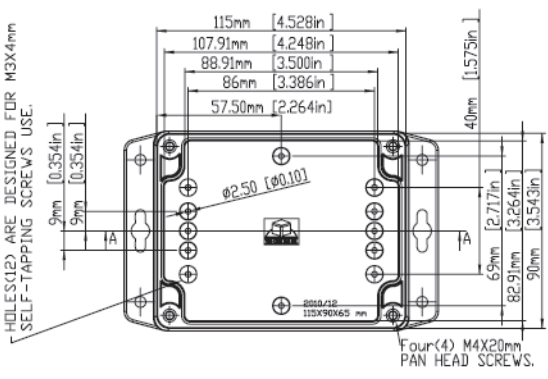
**G218MF / G218CMF / G317MF**



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

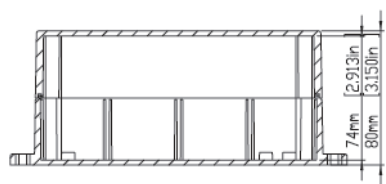
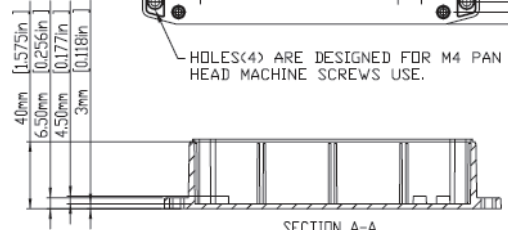
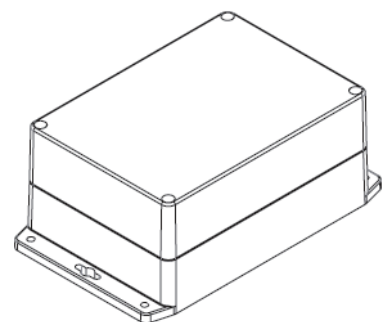
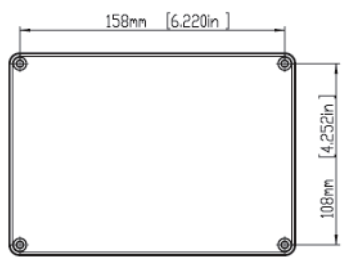
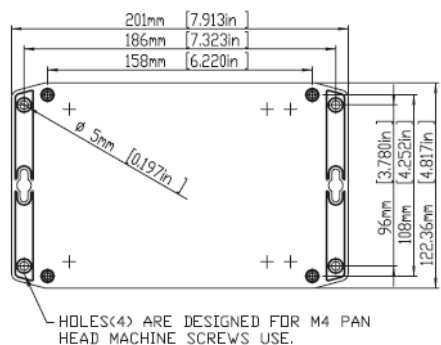
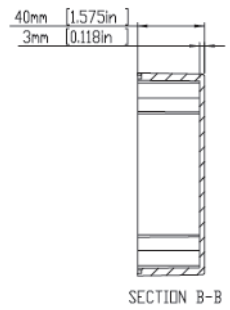
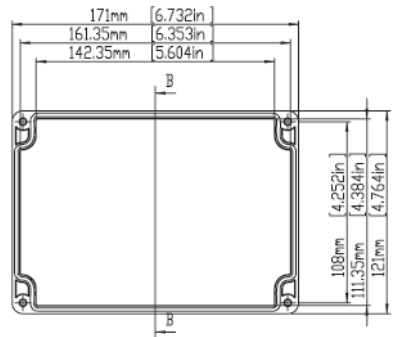
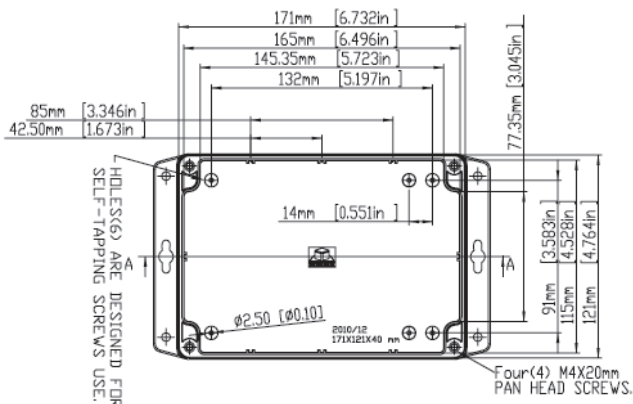
**G221MF / G221CMF / G331MF**



According to ISO 2768-n

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

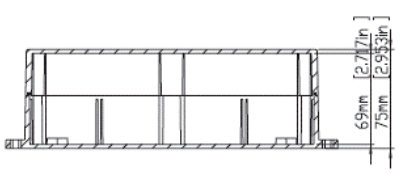
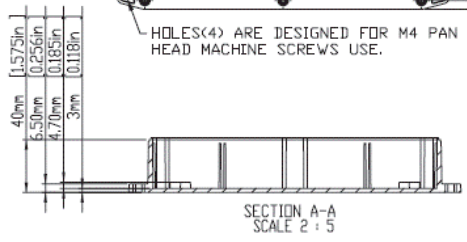
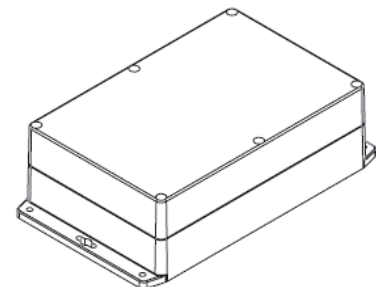
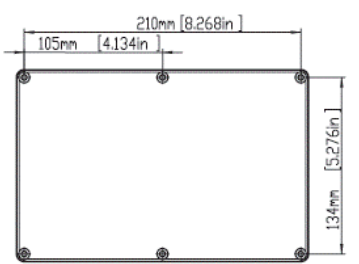
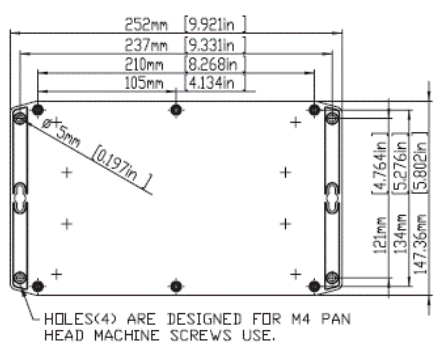
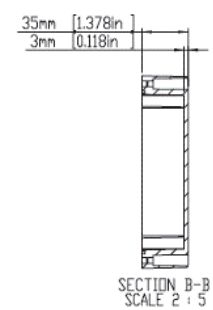
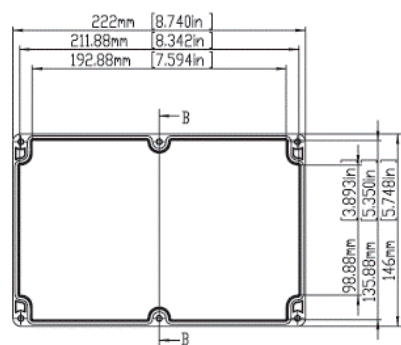
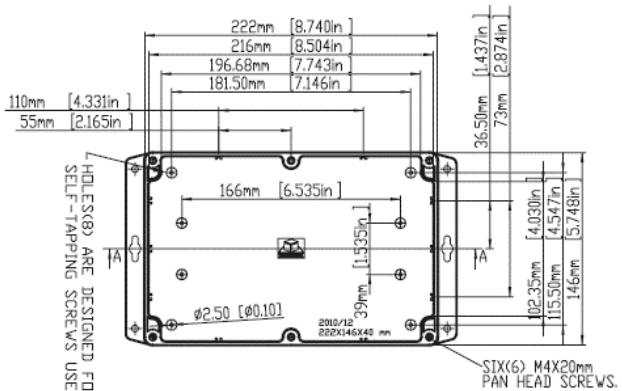
**G223MF / G223CMF / G340MF**



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

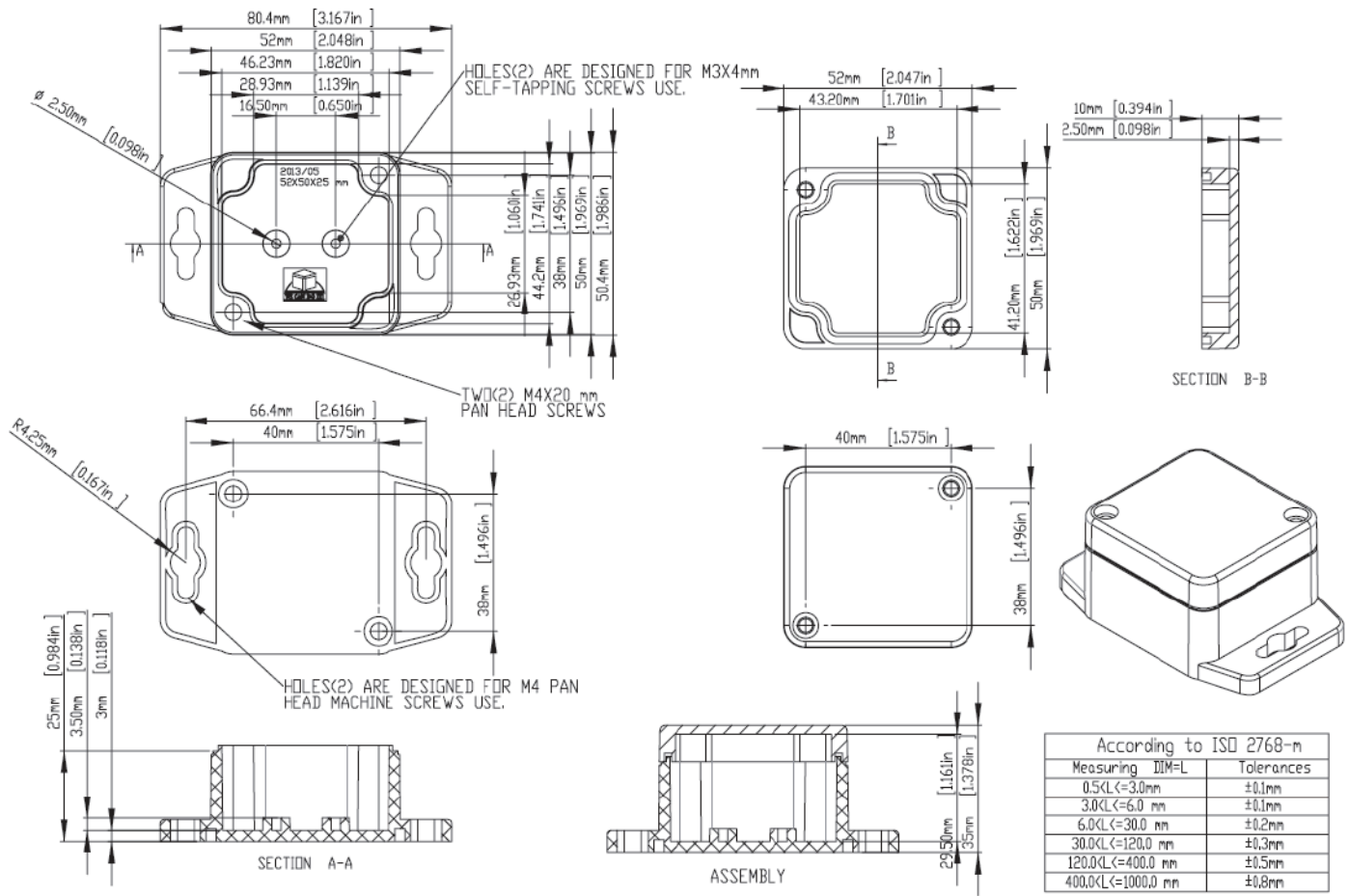
**G232MF / G232CMF / G353MF**



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

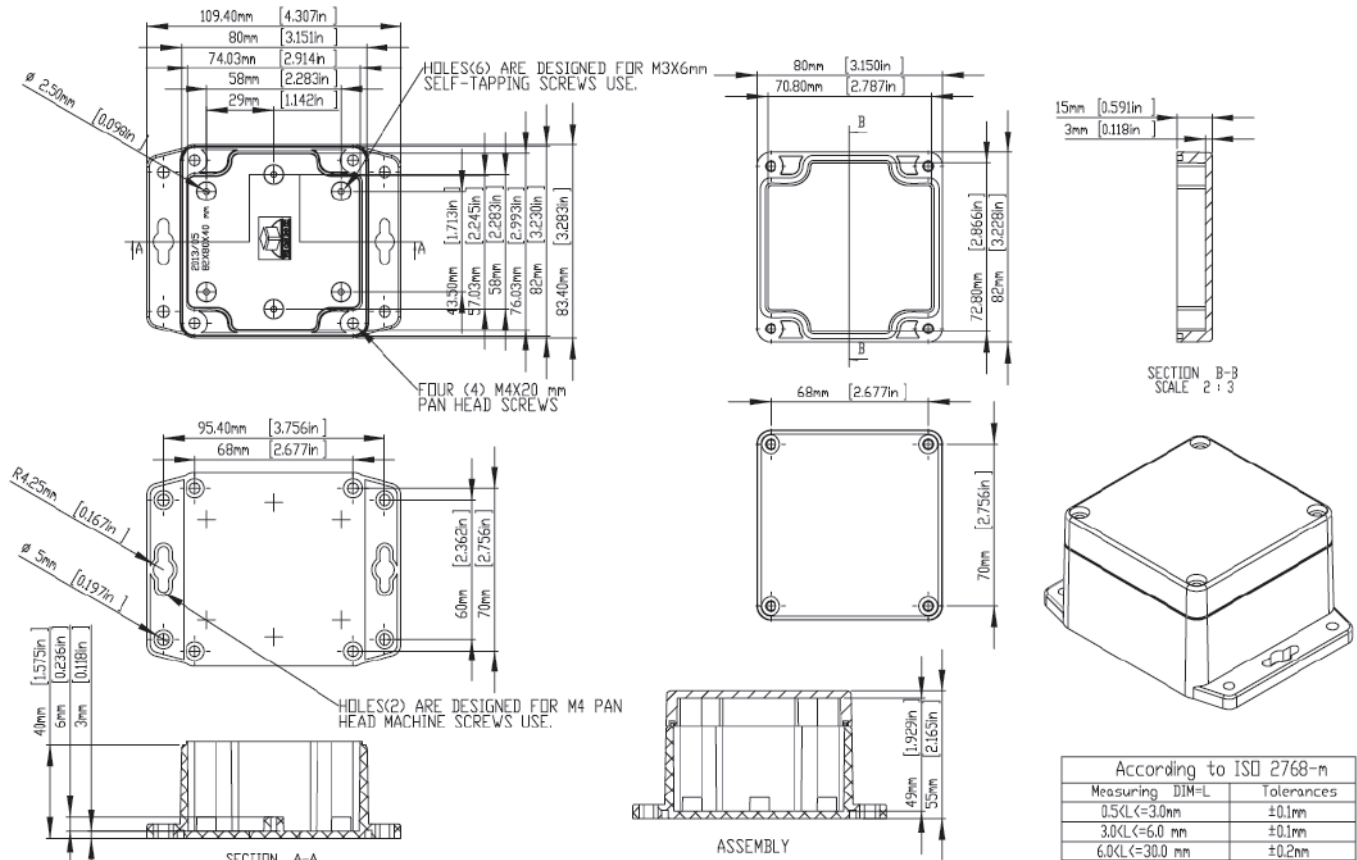
**G250MF / G250CMF / G362MF**



According to ISO 2768-m

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

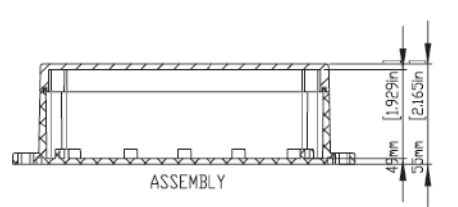
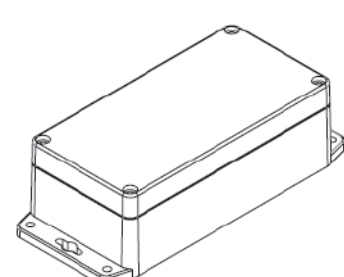
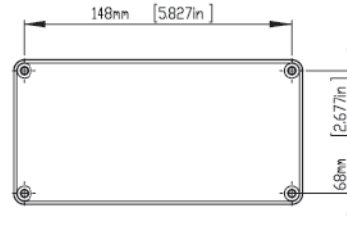
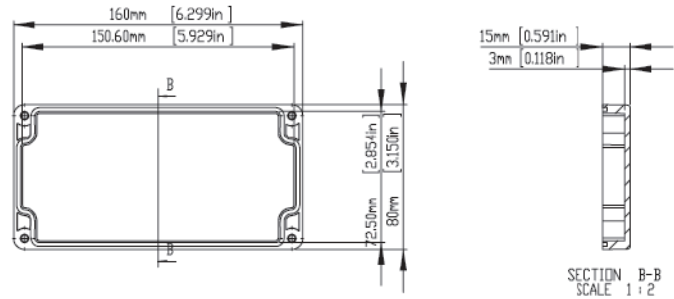
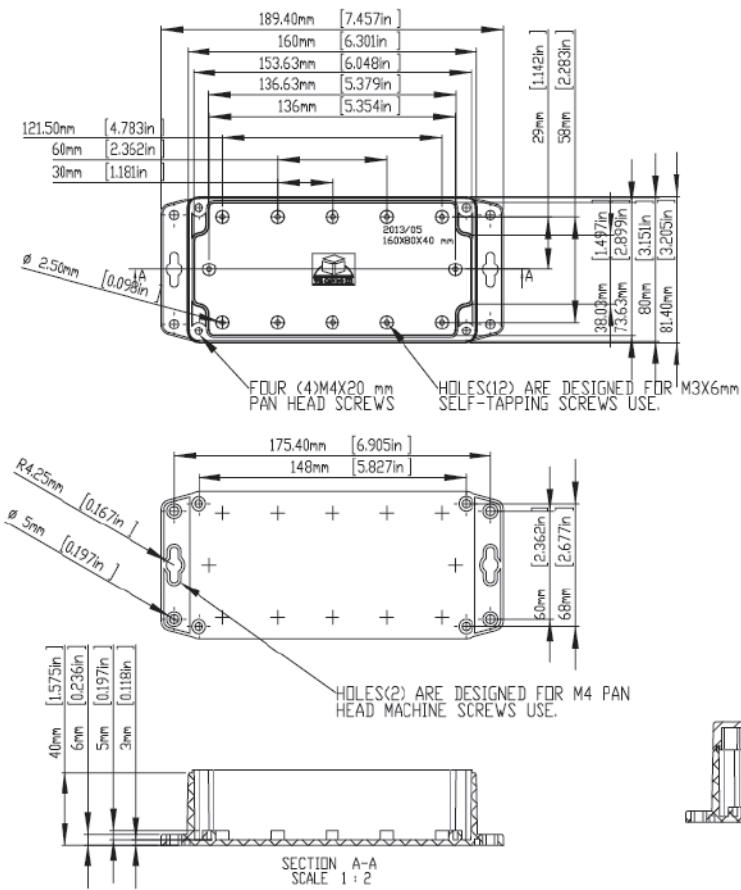
**G256MF / G256CMF / G366MF**



According to ISO 2768-m

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

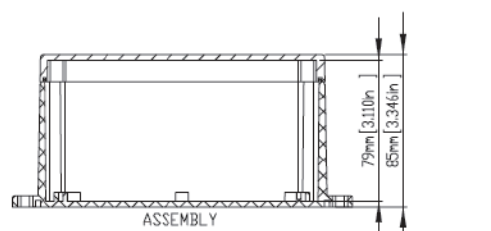
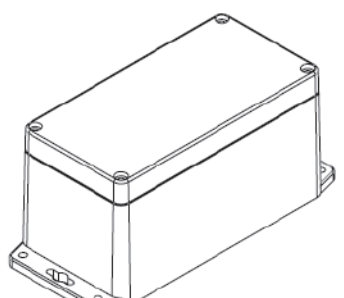
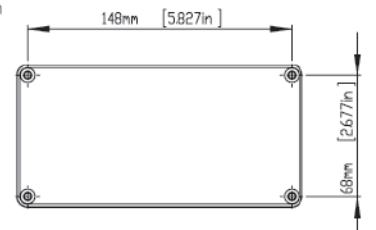
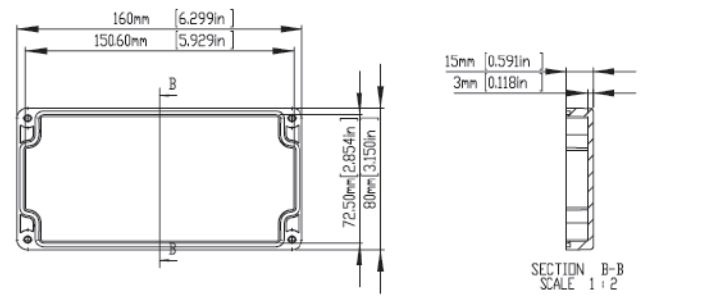
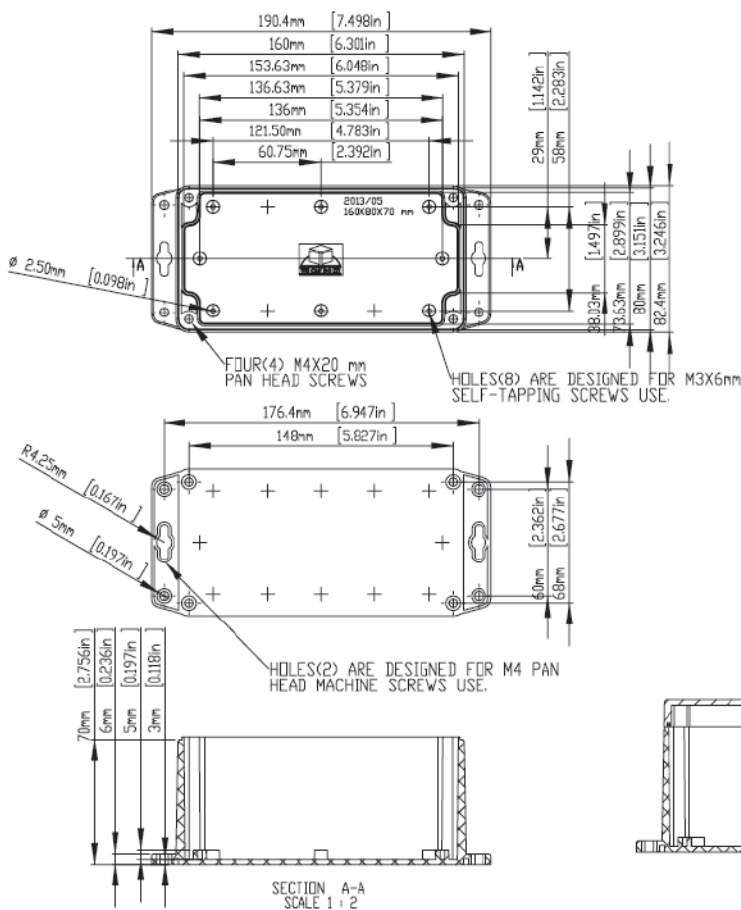
**G258MF / G258CMF / G368MF**



According to ISD 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

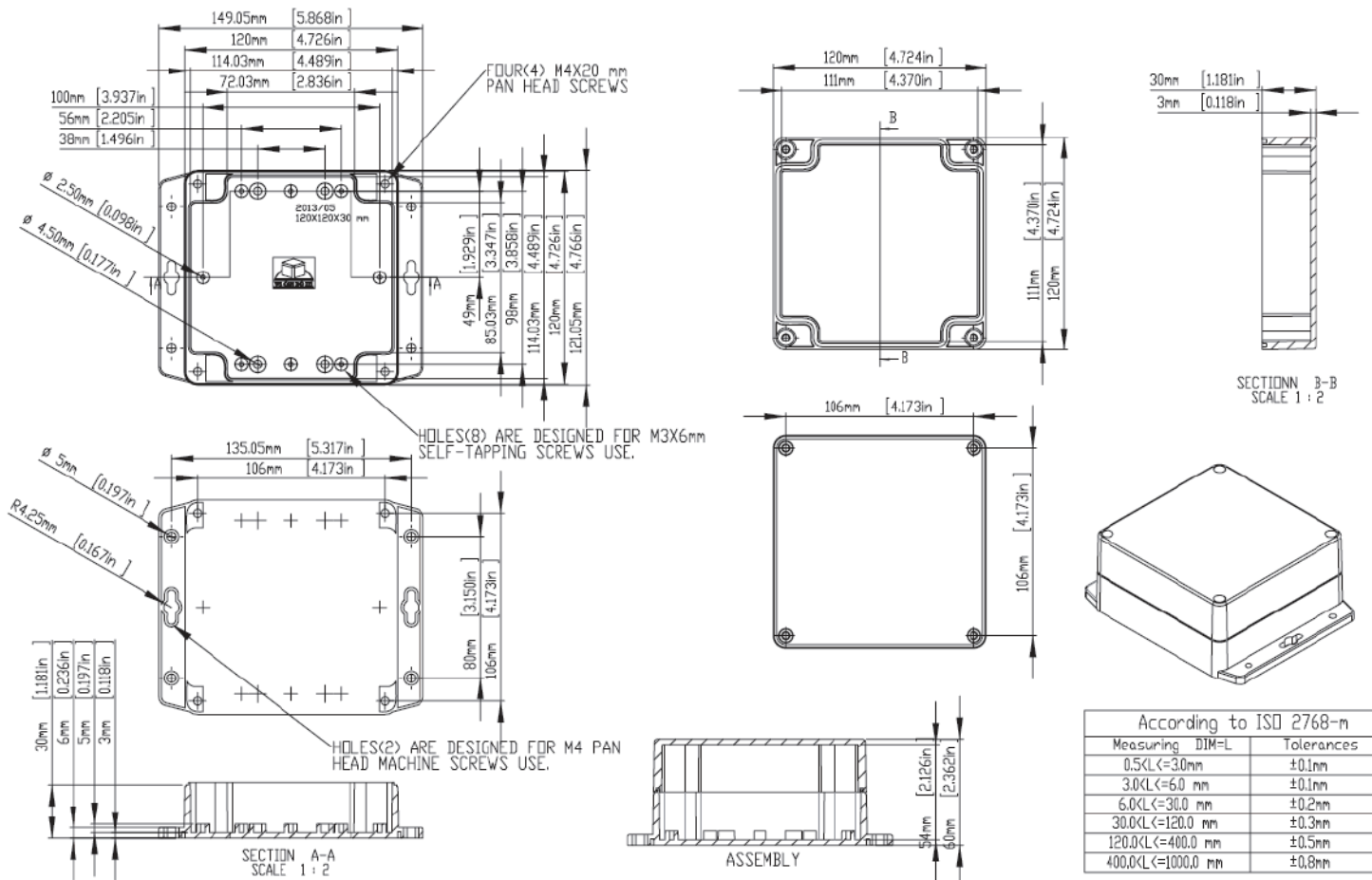
**G265MF / G265CMF / G369MF**



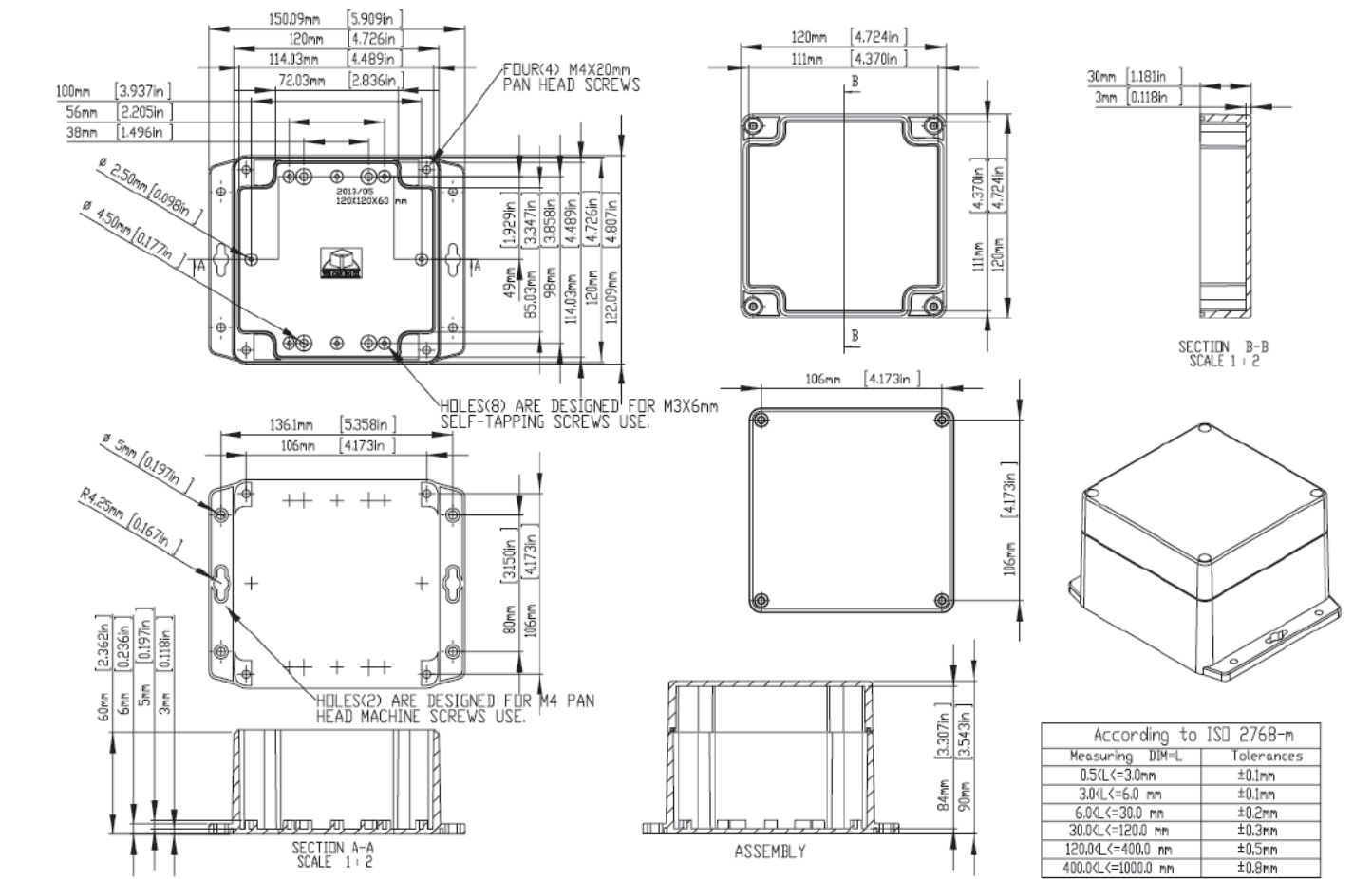
According to ISD 2768-m

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

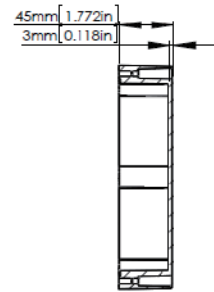
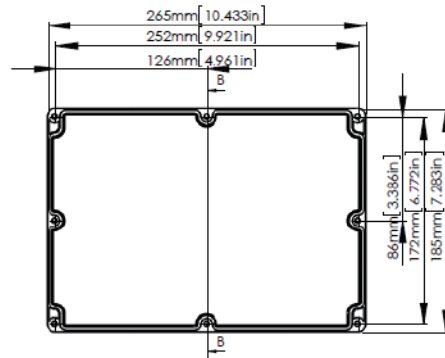
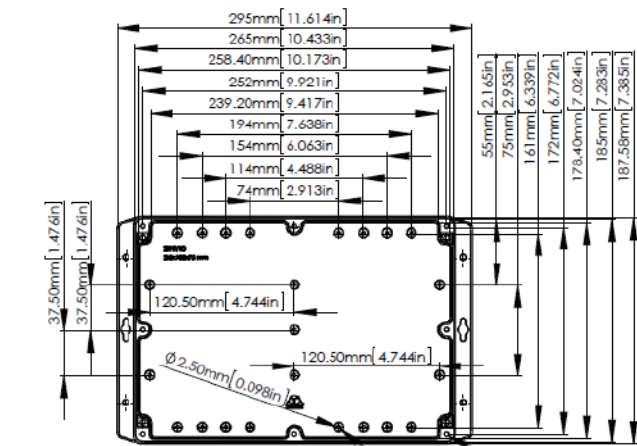
**G278MF / G278CMF / G386MF**



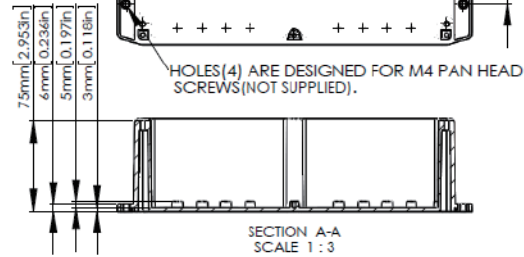
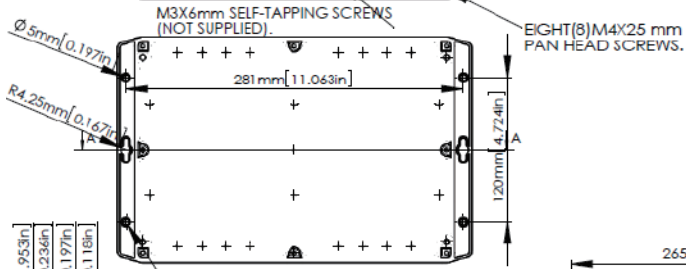
**G279MF / G279CMF / G387MF**



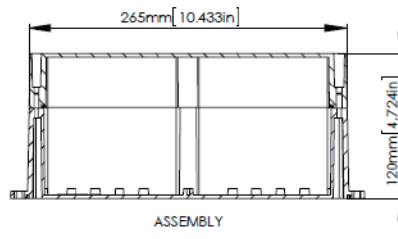
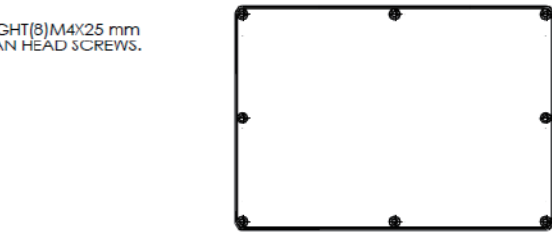
**G2393MF / G2393CMF / G3913MF**



SECTION B-B  
SCALE 1 : 3

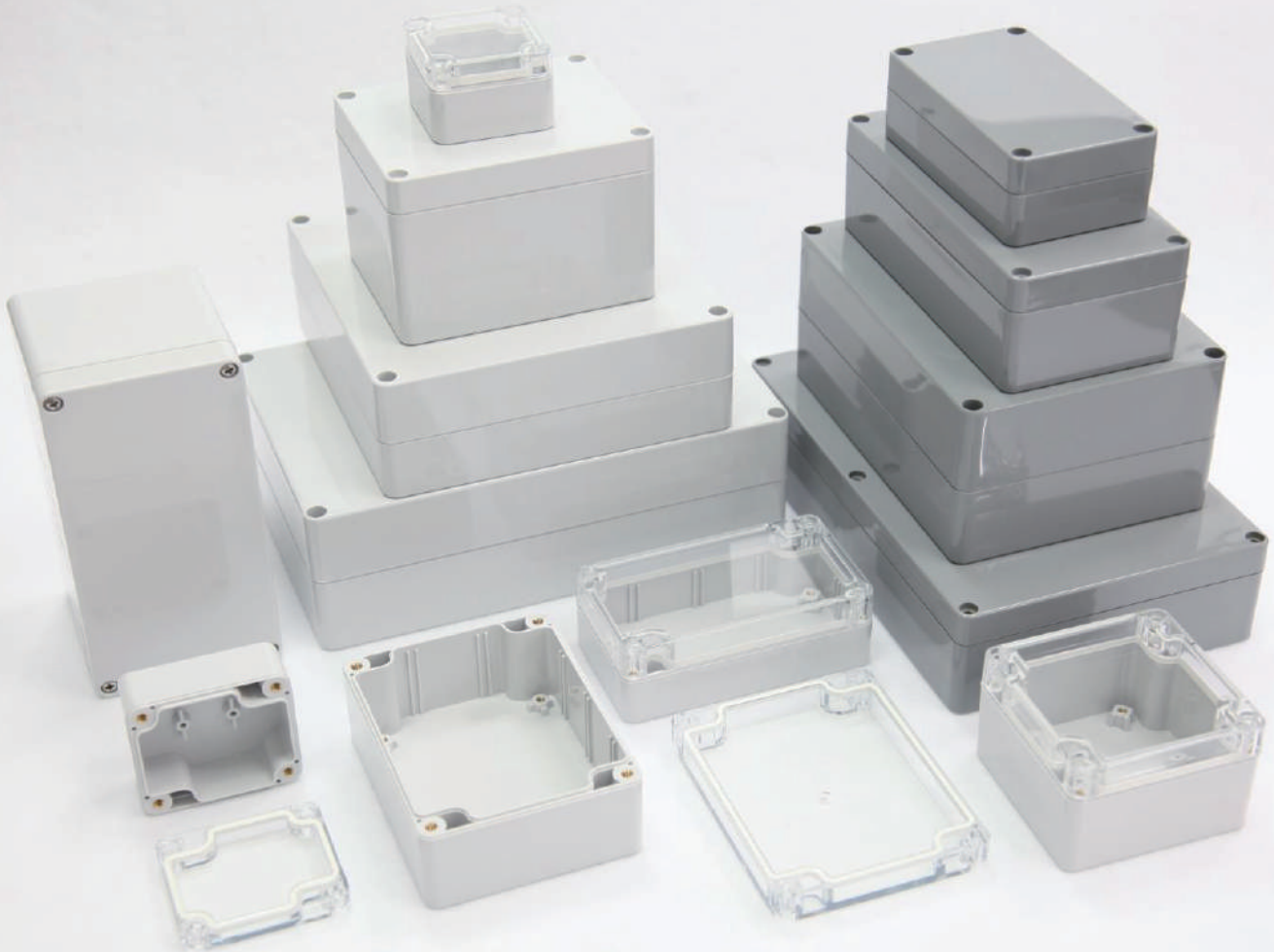


SECTION A-A  
SCALE 1 : 3



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

## IP67 POLYCARBONATE AND ABS ENCLOSURES



### PRODUCT INFORMATION

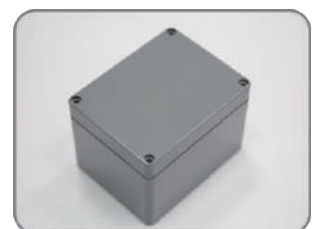
- The lid and base incorporate a tongue and groove sealing system with silicone adhesive.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Design to IP67 of IEC 529 ( Dust and Hoseproof ).
- Bosses on internal base allow fixing 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.



G203-IP67



G212C-IP67



G331-IP67



# PC

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

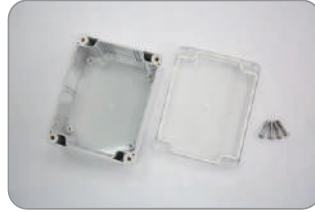
# ABS

- Material: High Impact ABS (UL94-HB)
- Moulded in: Dark Grey.
- Operating temperature: -20°C to 60°C

Content



G203-IP67



G212C-IP67

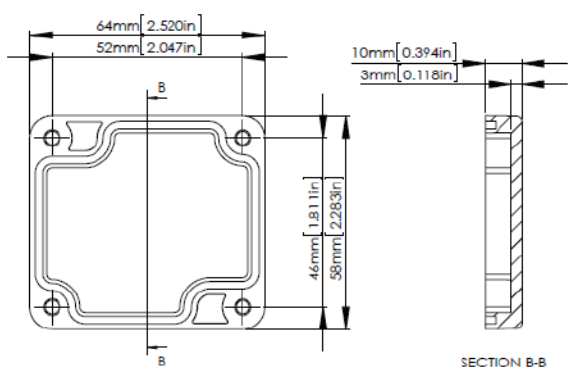
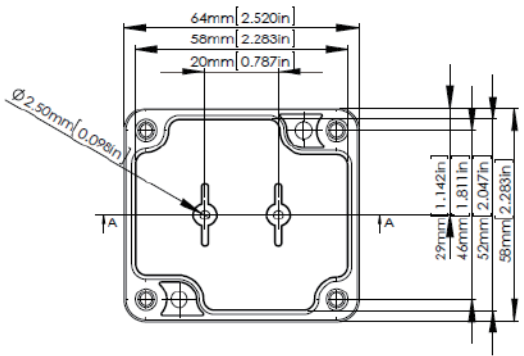


G331-IP67

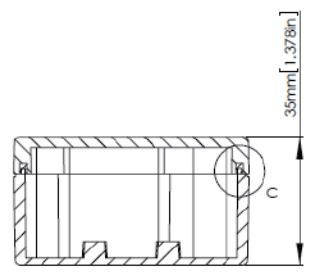
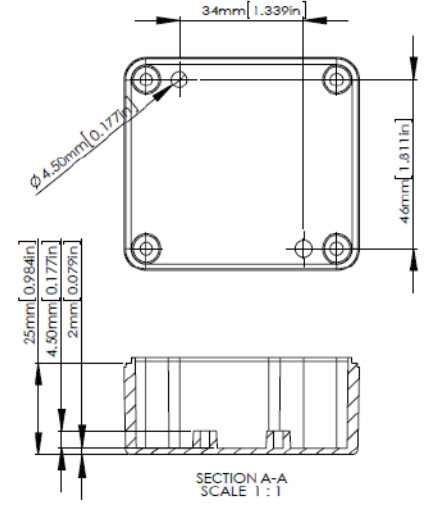
MATERIAL : POLYCARBONATE		EXTERNAL DIMENSION(mm)	MATERIAL : ABS
Light Grey Lid + Light Grey Base	Clear Lid + Light Grey Base		Dark Grey Lid + Dark Grey Base
Item No.	Item No.		Item no.
G201-IP67	G201C-IP67	64 x 58 x 35	G302-IP67
G203-IP67	G203C-IP67	115 x 65 x 40	G304-IP67
G205-IP67	G205C-IP67	115 x 65 x 55	G308-IP67
G212-IP67	G212C-IP67	115 x 90 x 55	G311-IP67
G214-IP67	G214C-IP67	171 x 121 x 55	G313-IP67
G218-IP67	G218C-IP67	222 x 146 x 55	G317-IP67
G221-IP67	G221C-IP67	115 x 90 x 80	G331-IP67
G223-IP67	G223C-IP67	171 x 121 x 80	G340-IP67
G229-IP67	G229C-IP67	195 x 80 x 55	G346-IP67
G232-IP67	G232C-IP67	222 x 146 x 75	G353-IP67
G250-IP67	G250C-IP67	52 x 50 x 35	G362-IP67
G256-IP67	G256C-IP67	82 x 80 x 55	G366-IP67
G258-IP67	G258C-IP67	160 x 80 x 55	G368-IP67
G265-IP67	G265C-IP67	160 x 80 x 85	G369-IP67
G278-IP67	G278C-IP67	120 x 120 x 60	G386-IP67
G279-IP67	G279C-IP67	120 x 120 x 90	G387-IP67
G287-IP67	G287C-IP67	160 x 160 x 60	G396-IP67
G288-IP67	G288C-IP67	160 x 160 x 90	G399-IP67
G2691-IP67	G2691C-IP67	200 x 120 x 75	G3735-IP67
G2385-IP67	G2385C-IP67	265 x 185 x 95	G3783-IP67
G2018-IP67	G2018C-IP67	240 x 160 x 90	G3008-IP67
G2025-IP67	G2025C-IP67	240 x 160 x 120	G3019-IP67
G20295-IP67	G20295C-IP67	300 x 230 x 86	G30285-IP67
G20385-IP67	G20385C-IP67	300 x 230 x 111	G30312-IP67
G20583-IP67	G20583C-IP67	360 x 200 x 150	G30393-IP67
<b>NEW</b> G20793-IP67	G20793C-IP67	360 x 250 x 110	G30693-IP67
<b>NEW</b> G20883-IP67	G20883C-IP67	360 x 250 x 150	G30993-IP67
<b>NEW</b> G2393-IP67	G2393C-IP67	265 x 185 x 120	G3913-IP67

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

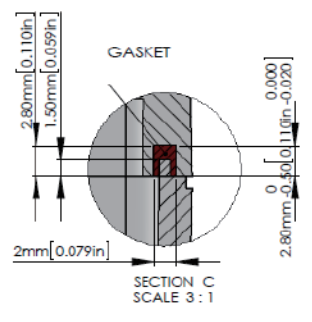
**G201-IP67 / G201C-IP67 / G302-IP67**



SECTION B-B  
SCALE 1 : 1



ASSEMBLY

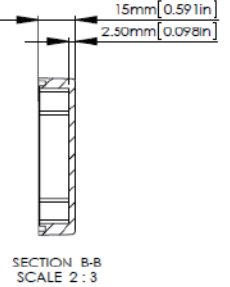
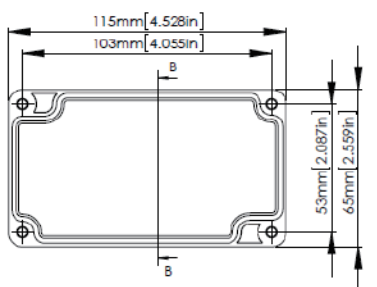
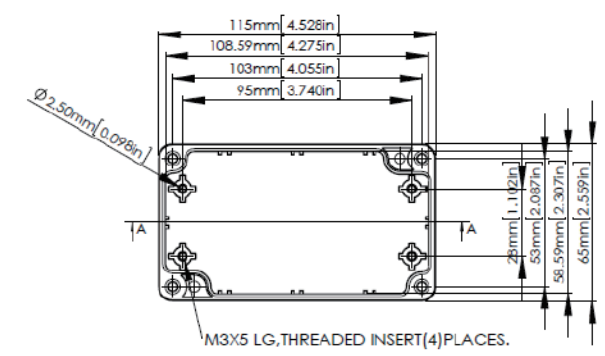


SECTION C  
SCALE 3 : 1

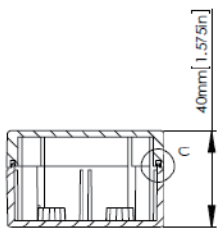
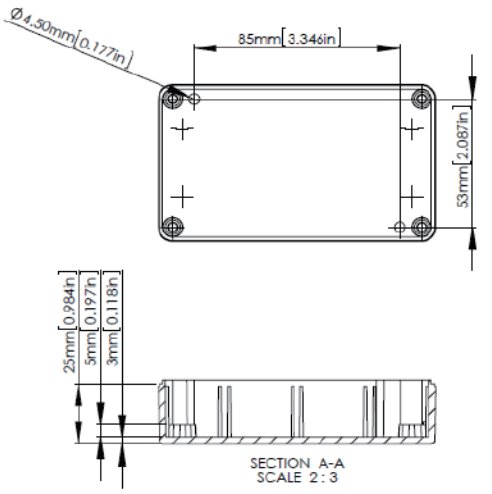
According to ISO 2768-m

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

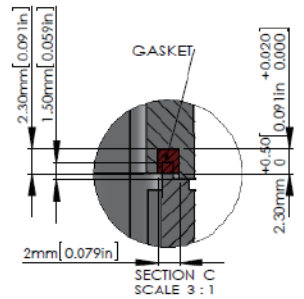
**G203-IP67 / G203C-IP67 / G304-IP67**



SECTION B-B  
SCALE 2 : 3



ASSEMBLY

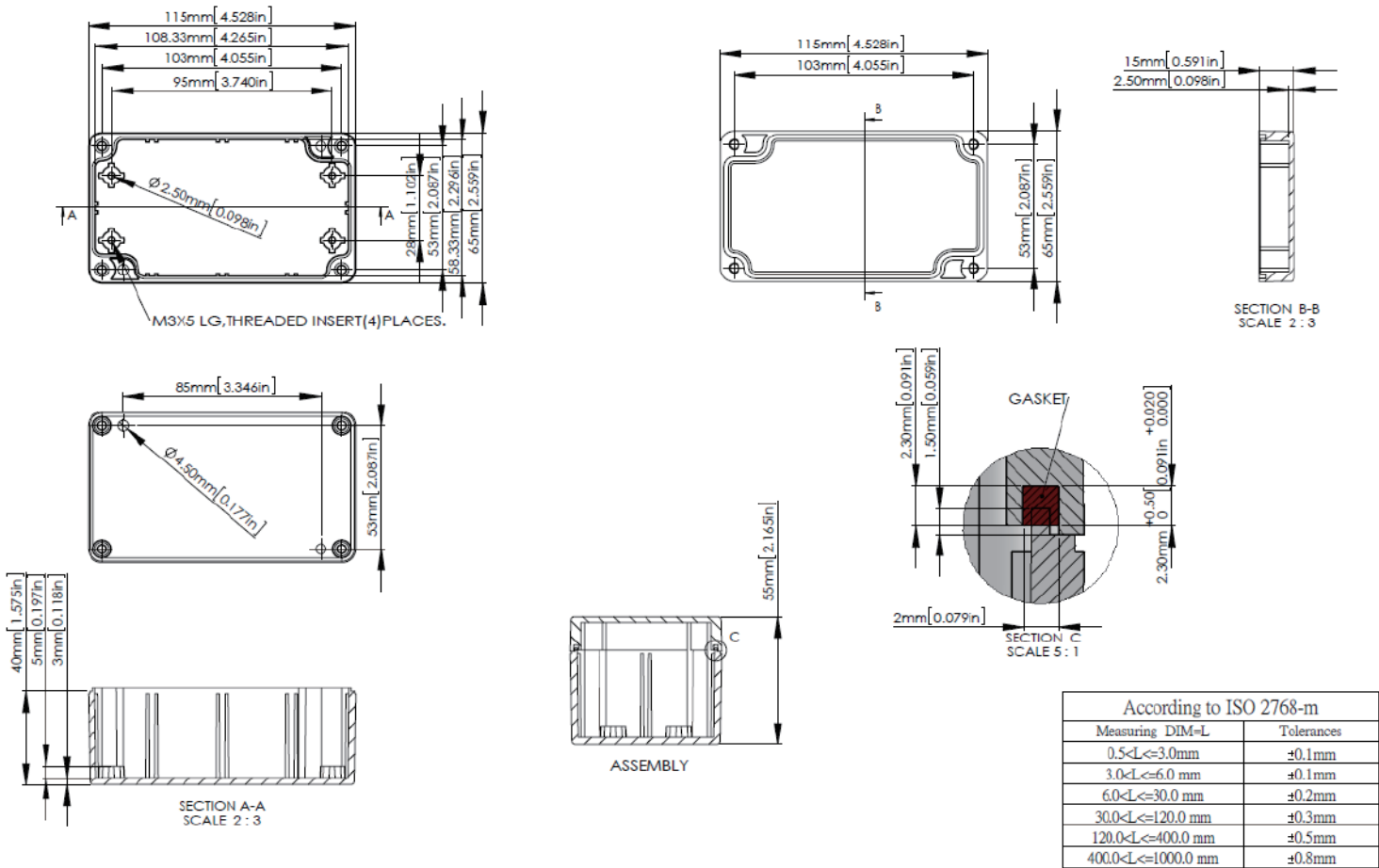


SECTION C  
SCALE 3 : 1

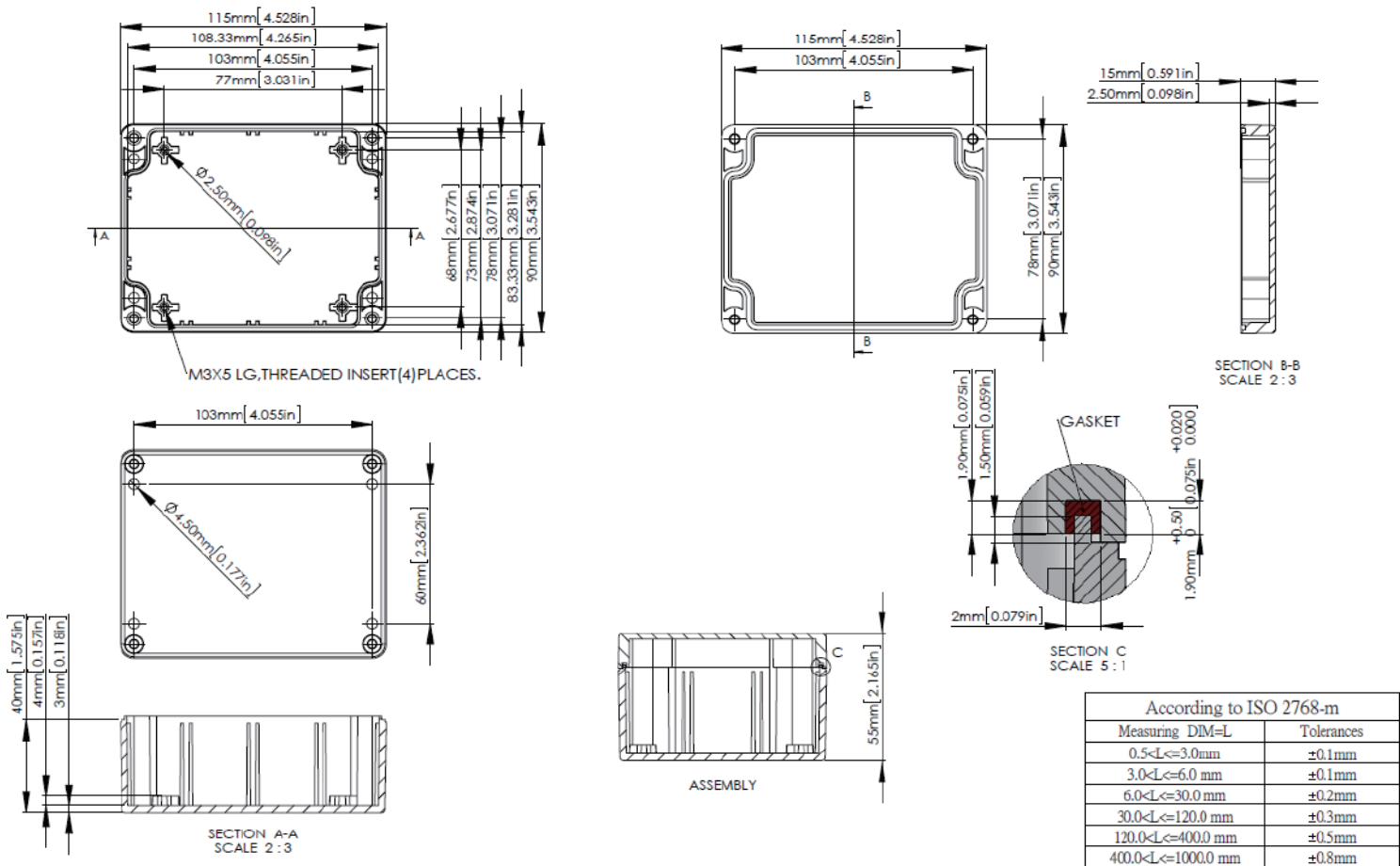
According to ISO 2768-m

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

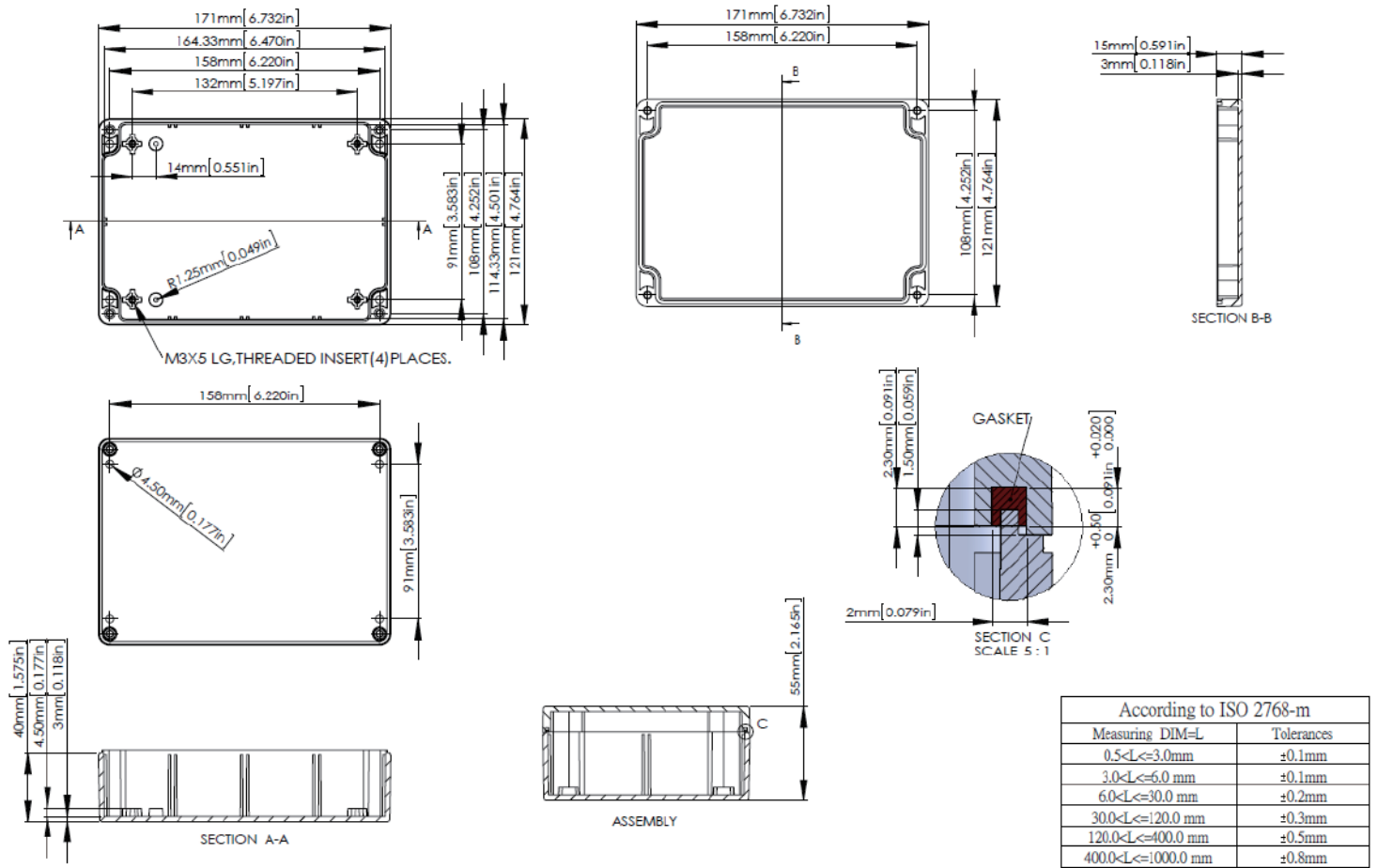
**G205-IP67 / G205C-IP67 / G308-IP67**



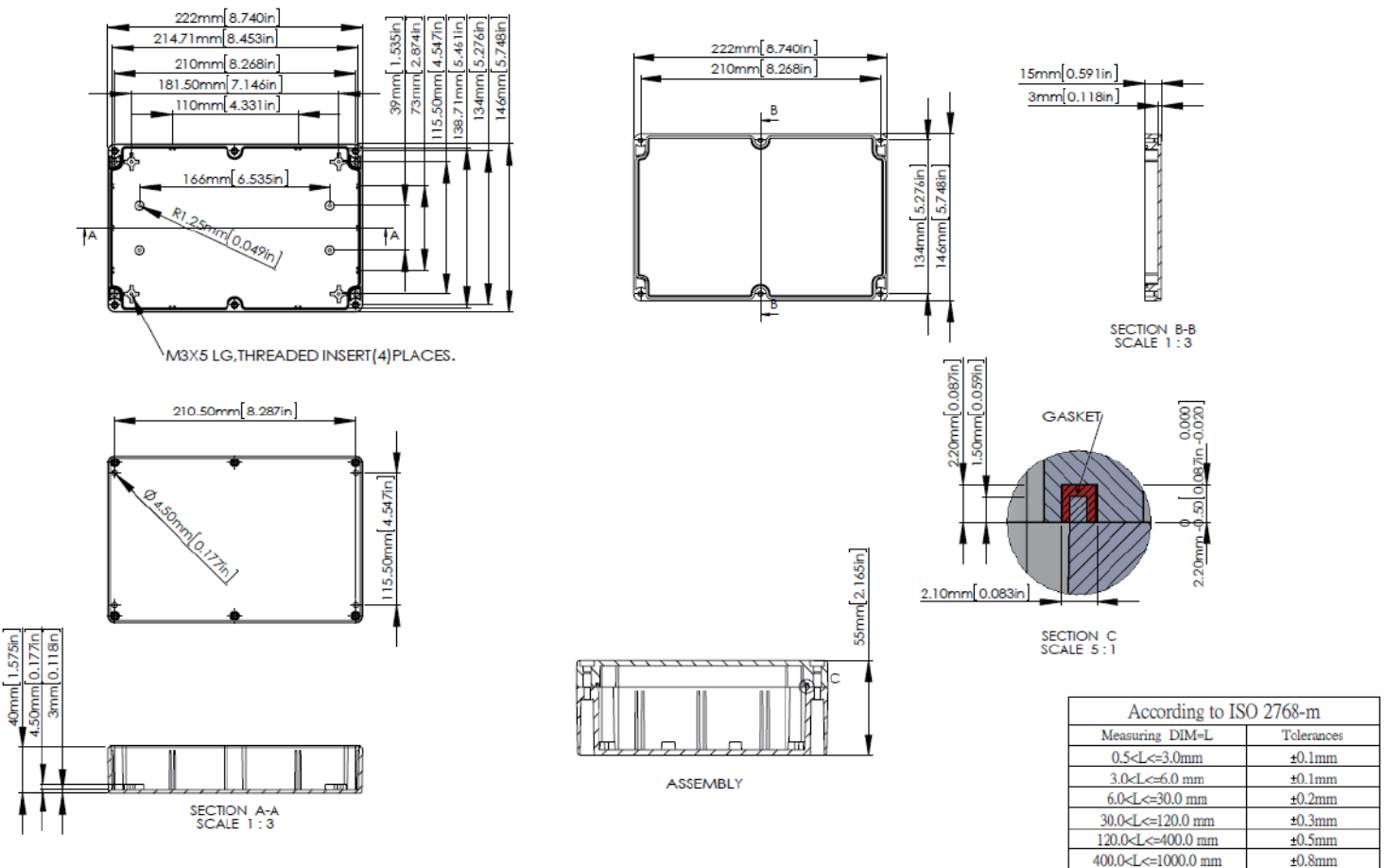
**G212-IP67 / G212C-IP67 / G311-IP67**



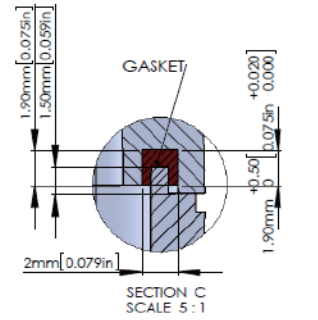
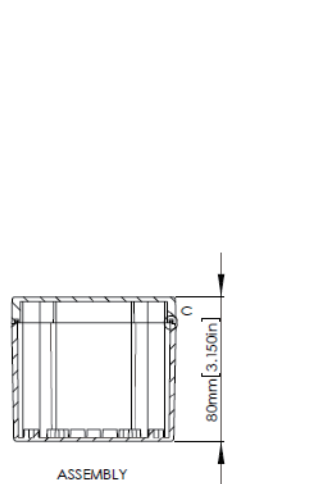
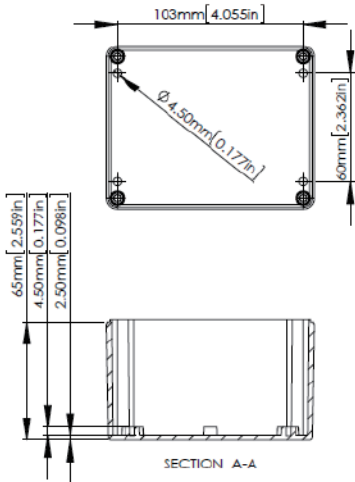
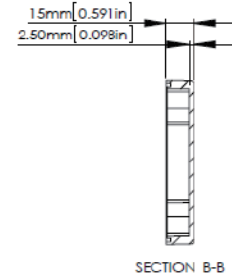
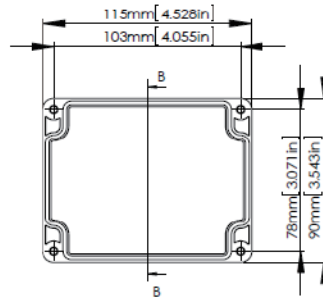
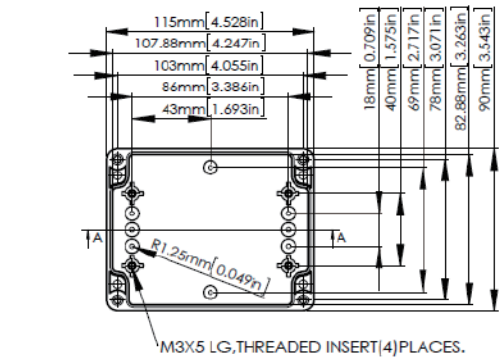
**G214-IP67 / G214C-IP67 / G313-IP67**



**G218-IP67 / G218C-IP67 / G317-IP67**

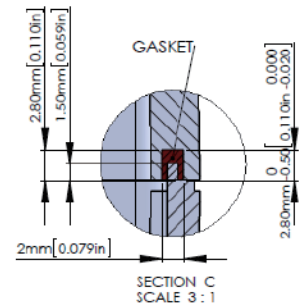
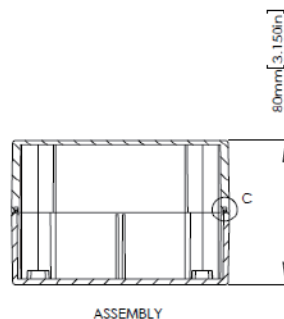
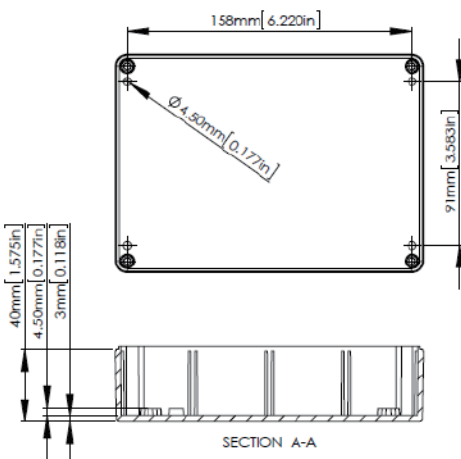
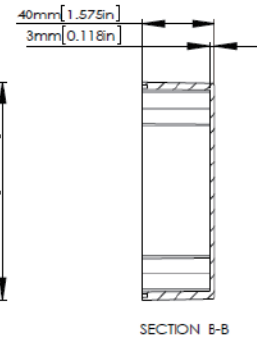
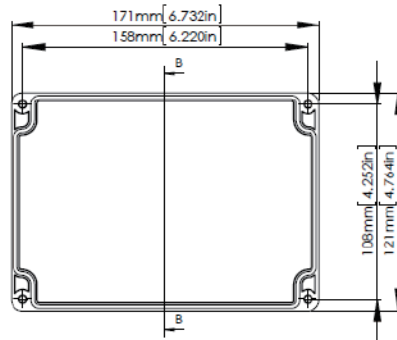
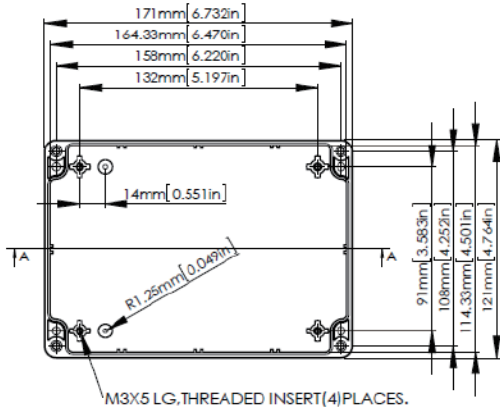


**G221-IP67 / G221C-IP67 / G331-IP67**



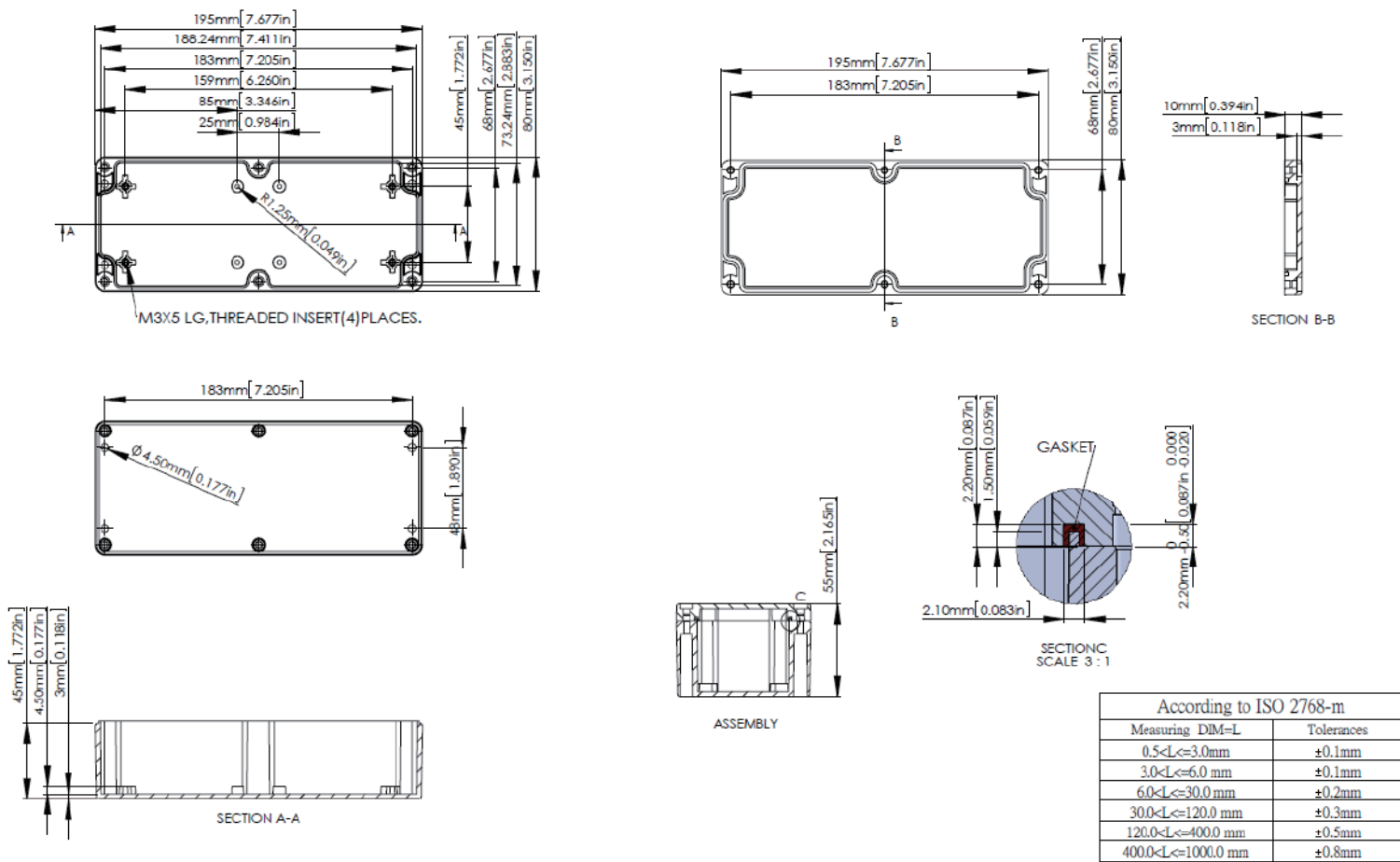
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**G223-IP67 / G223C-IP67 / G340-IP67**

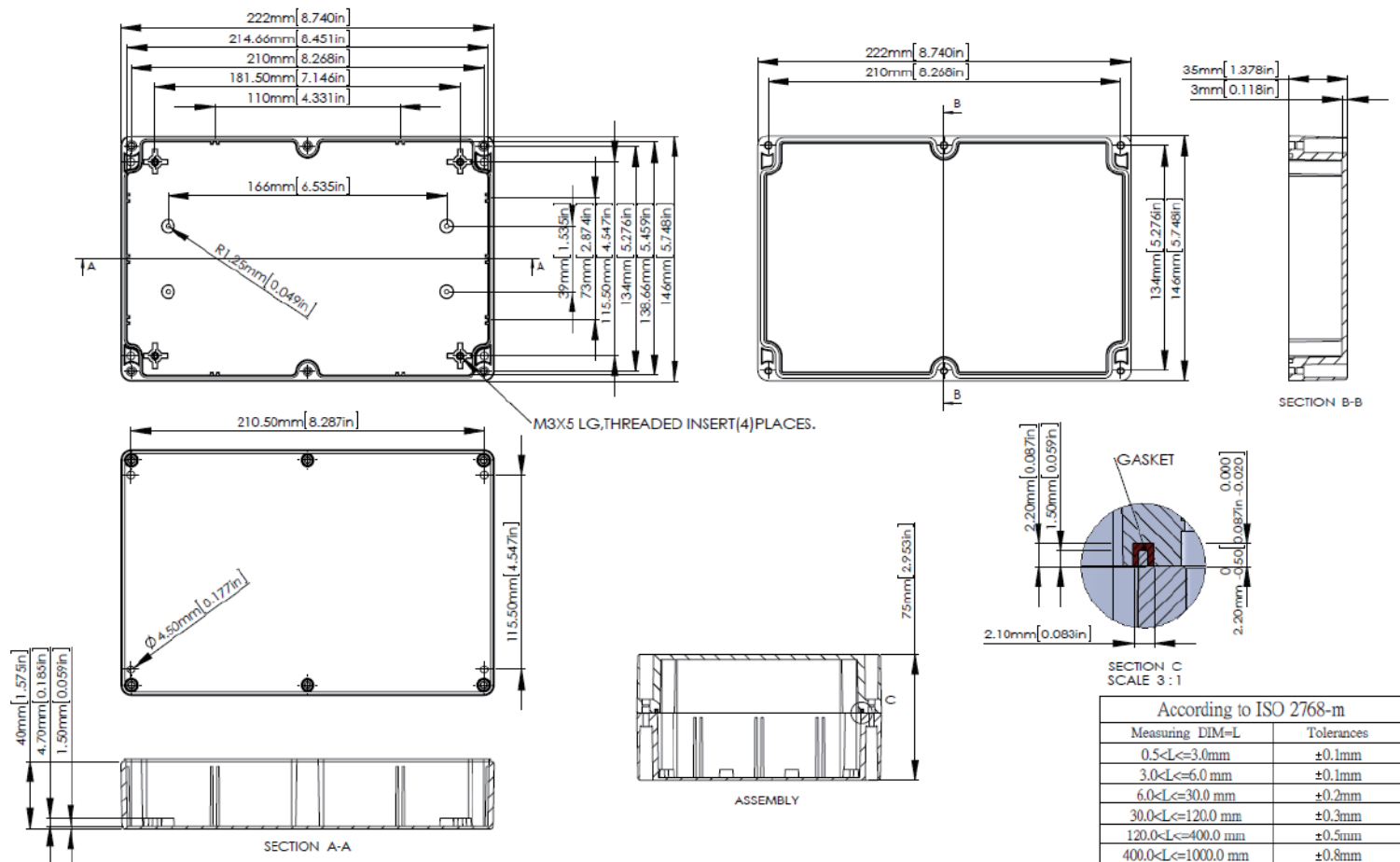


According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

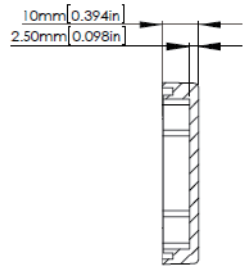
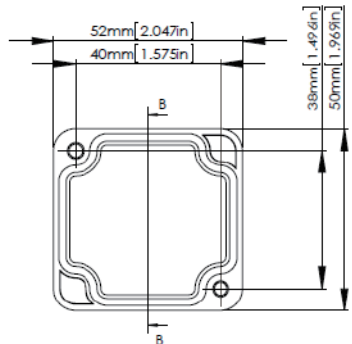
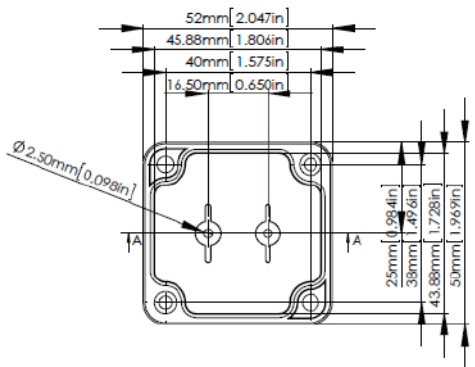
**G229-IP67 / G229C-IP67 / G346-IP67**



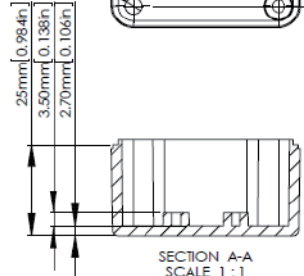
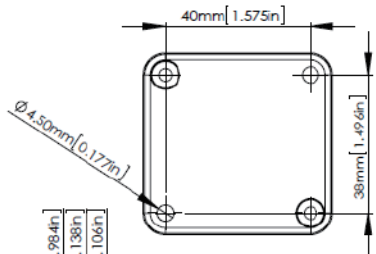
**G232-IP67 / G232C-IP67 / G353-IP67**



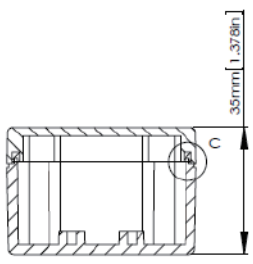
**G250-IP67 / G250C-IP67 / G362-IP67**



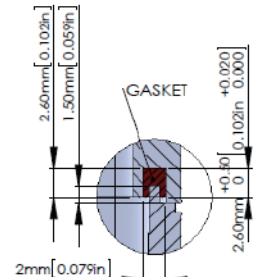
SECTION B-B  
SCALE 1:1



SECTION A-A  
SCALE 1:1



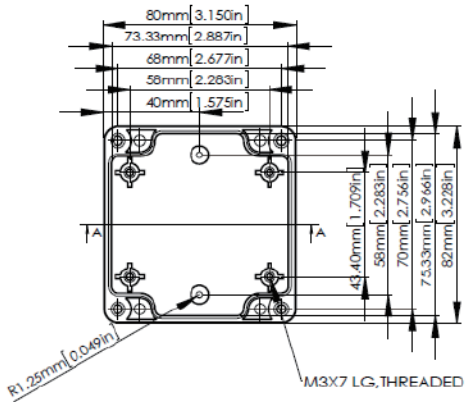
ASSEMBLY



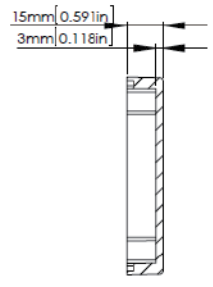
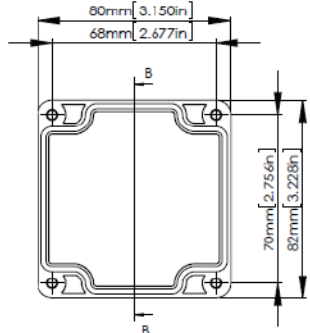
SECTION C  
SCALE 3:1

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

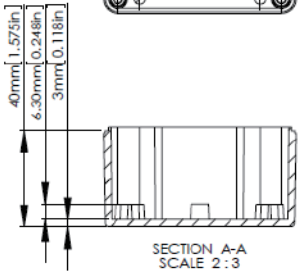
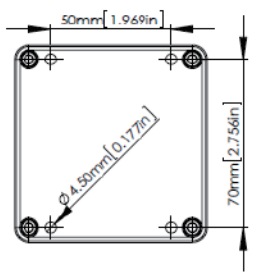
**G256-IP67 / G256C-IP67 / G366-IP67**



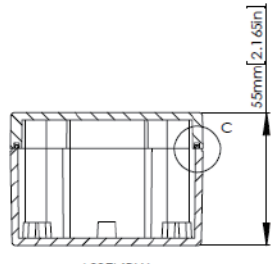
M3X7 LG. THREADED INSERT(4) PLACES.



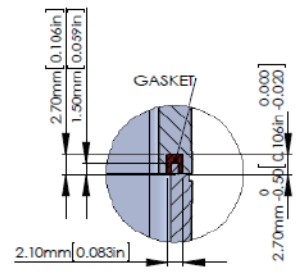
SECTION B-B  
SCALE 2:3



SECTION A-A  
SCALE 2:3



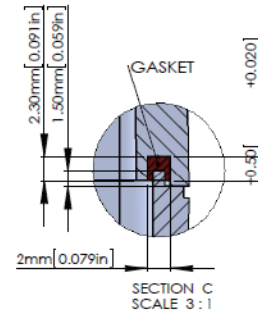
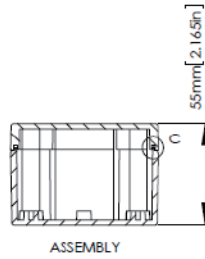
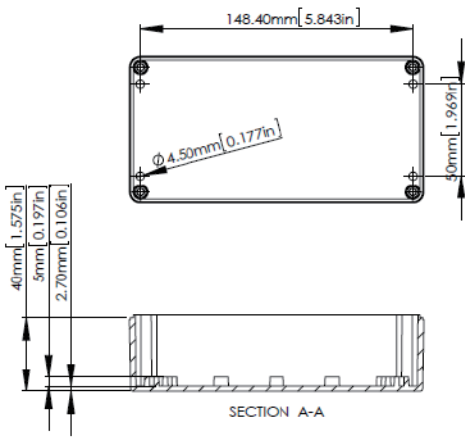
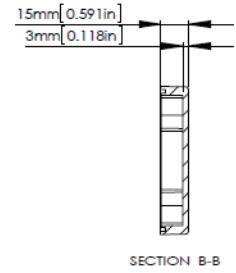
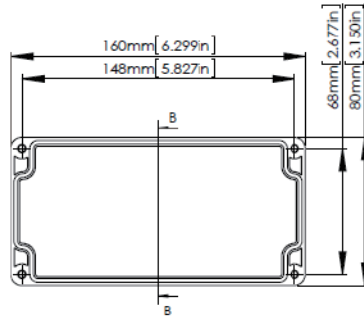
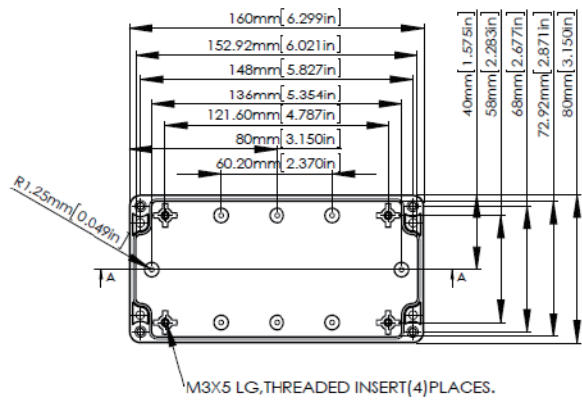
ASSEMBLY



SECTION C  
SCALE 2:1

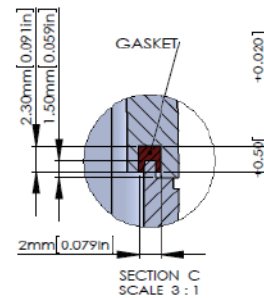
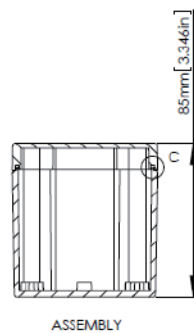
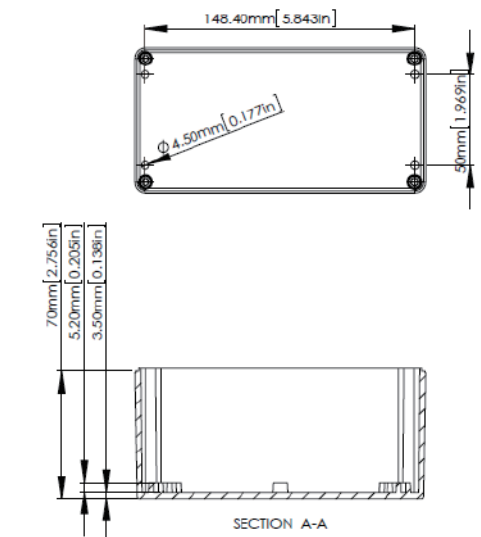
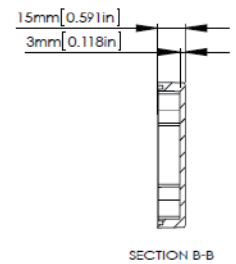
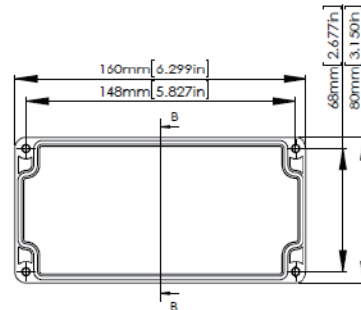
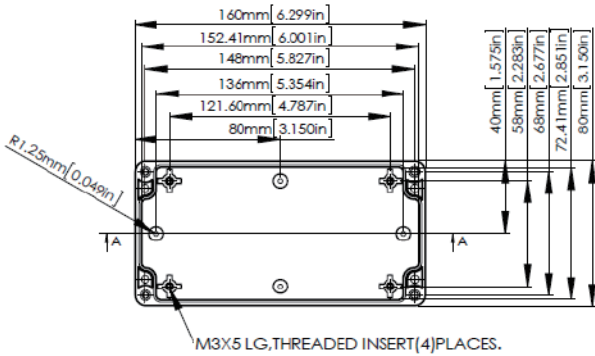
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**G258-IP67 / G258C-IP67 / G368-IP67**



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

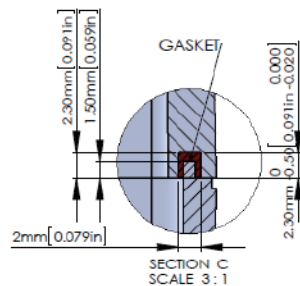
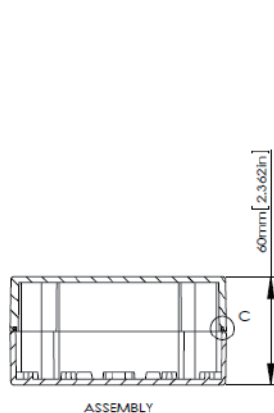
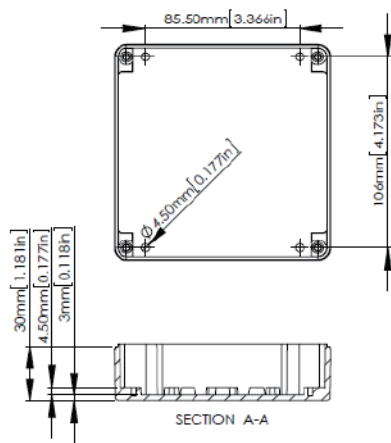
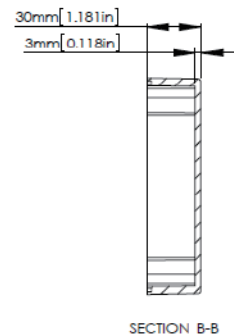
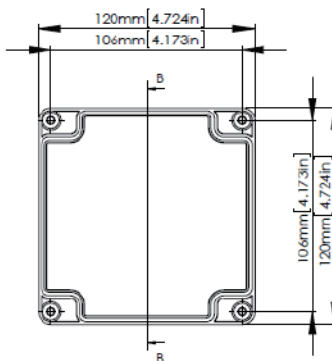
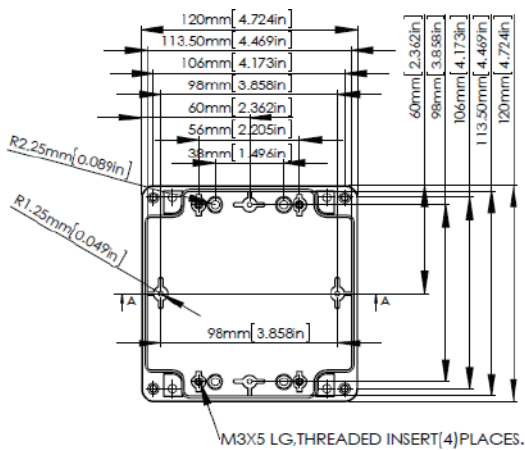
**G265-IP67 / G265C-IP67 / G369-IP67**



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

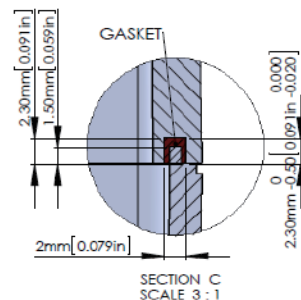
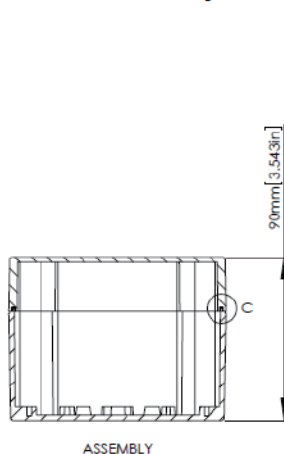
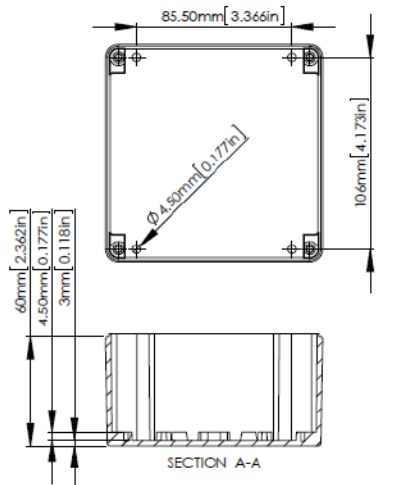
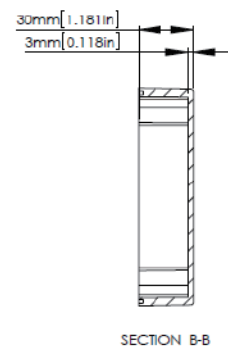
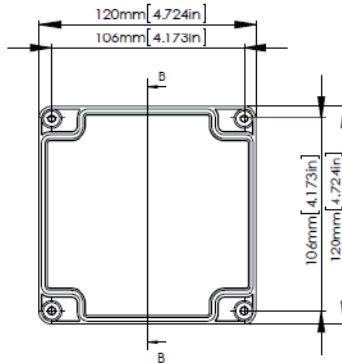
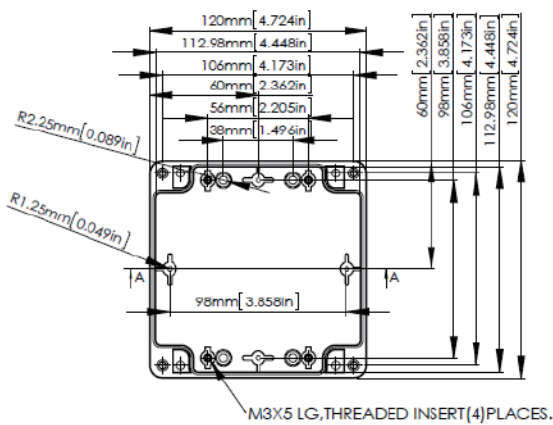


**G278-IP67 / G278C-IP67 / G386-IP67**



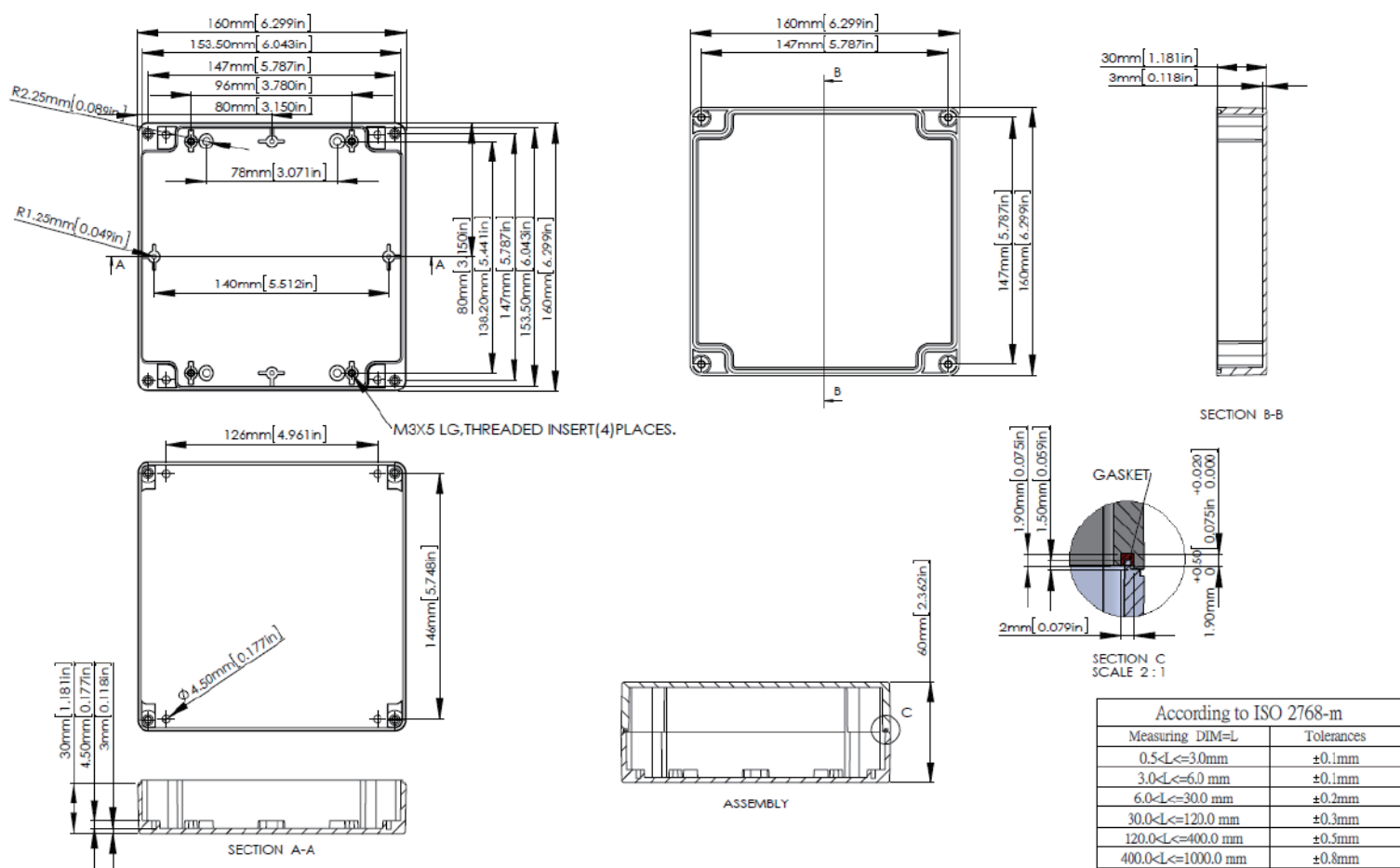
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**G279-IP67 / G279C-IP67 / G387-IP67**

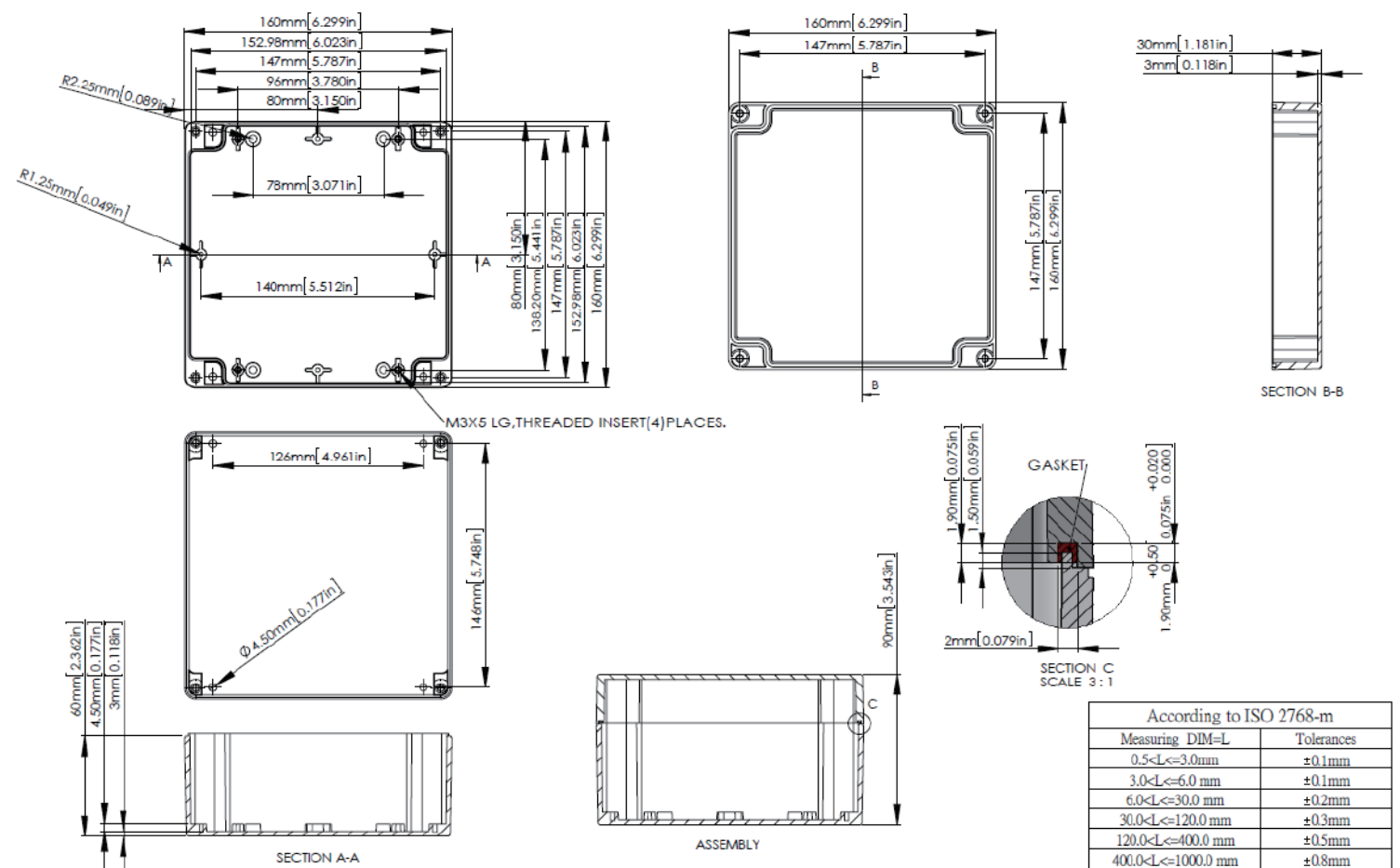


According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

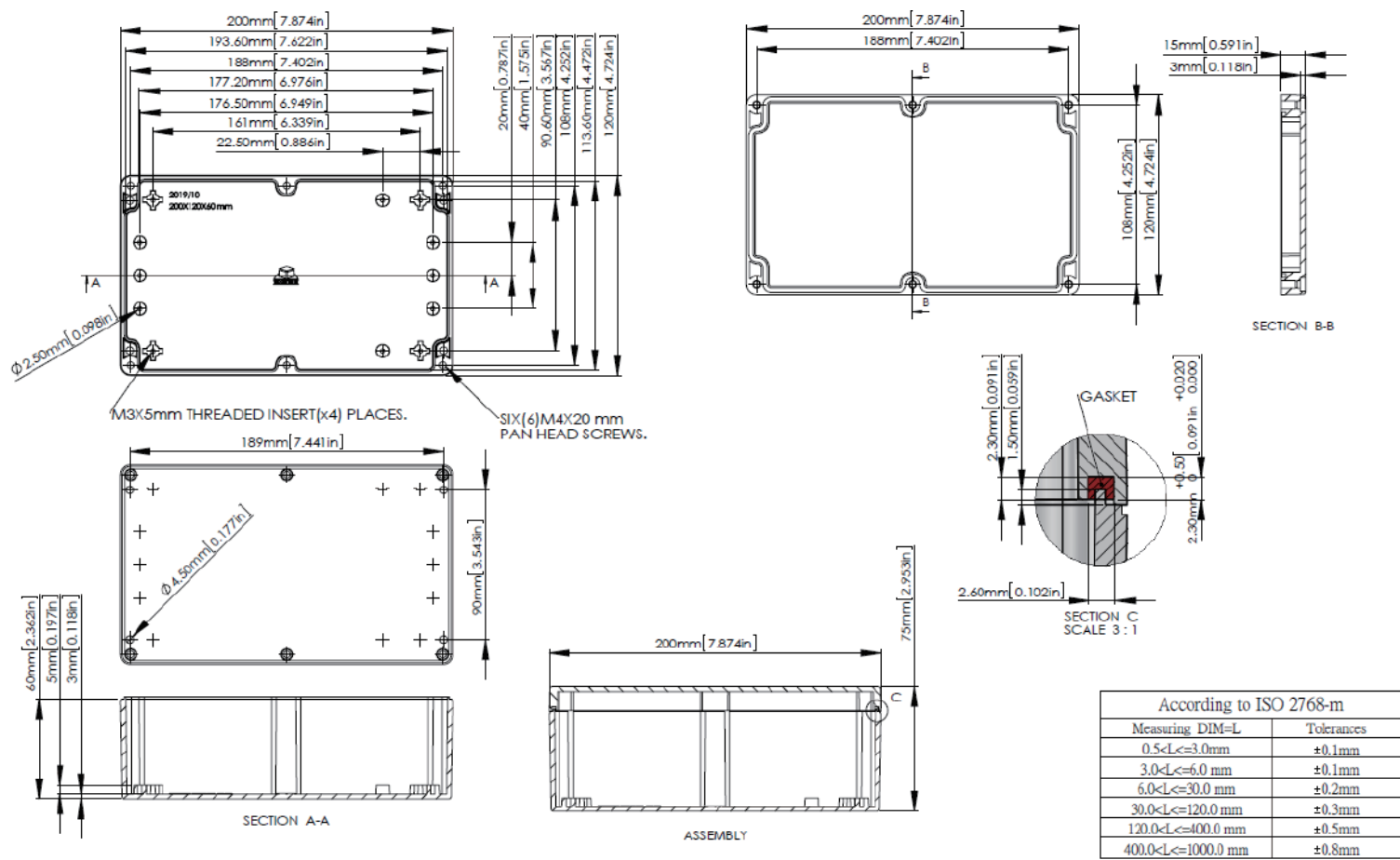
**G287-IP67 / G287C-IP67 / G396-IP67**



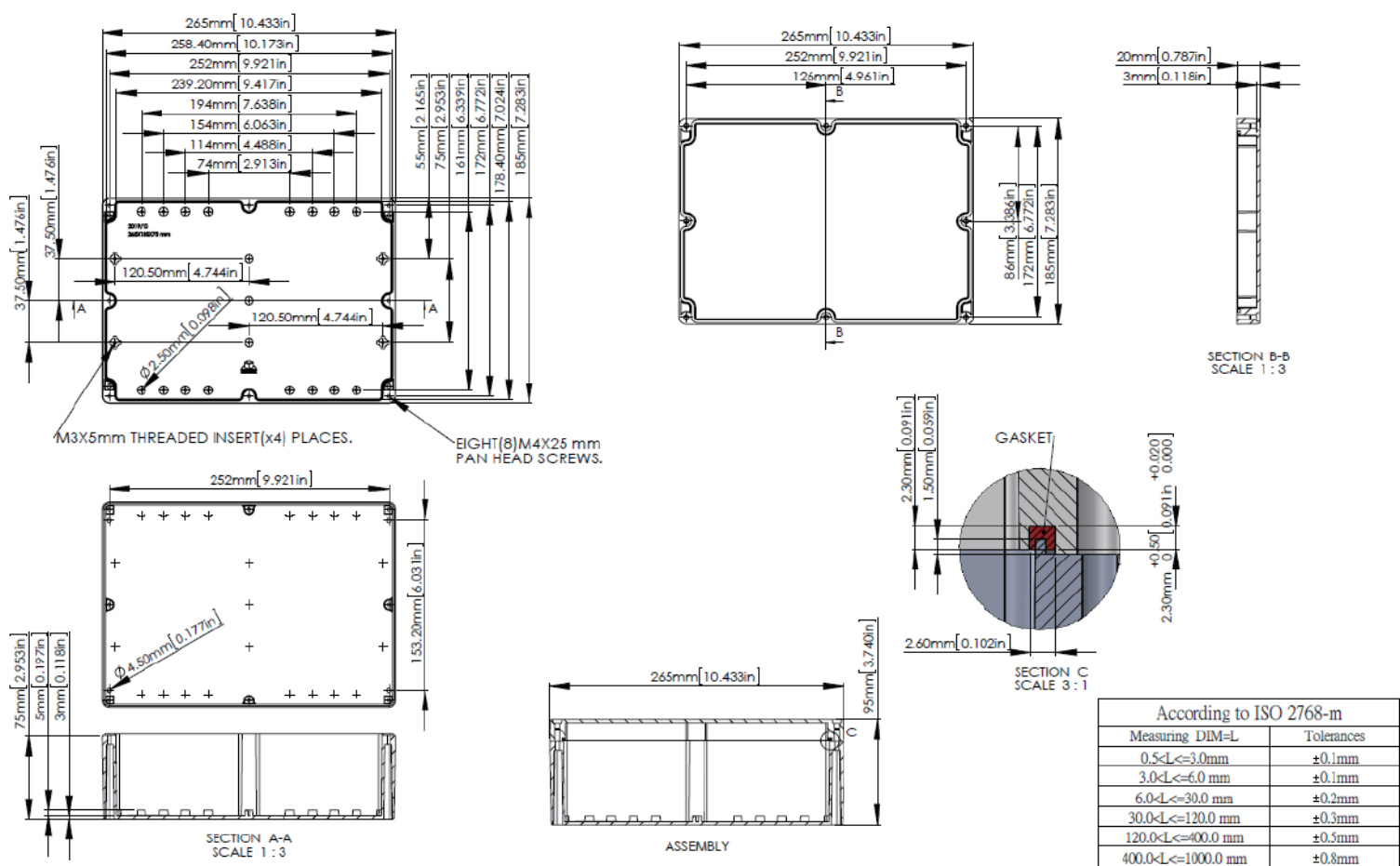
**G288-IP67 / G288C-IP67 / G399-IP67**



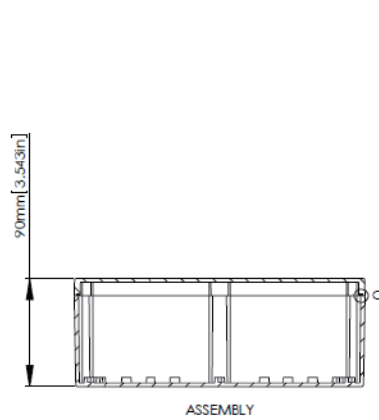
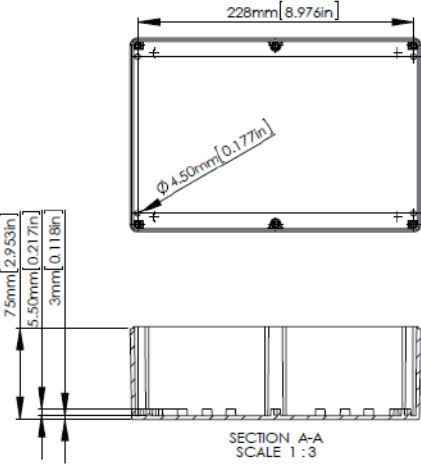
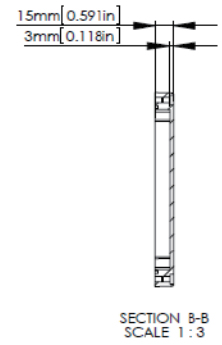
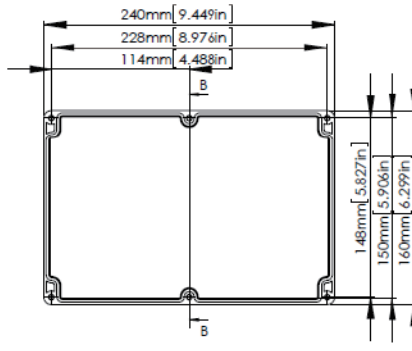
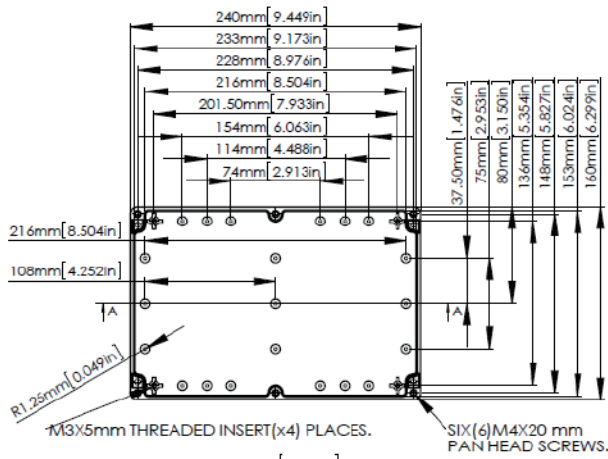
**G2691-IP67 / G2691C-IP67 / G3735-IP67**



**G2385-IP67 / G2385C-IP67 / G3783-IP67**



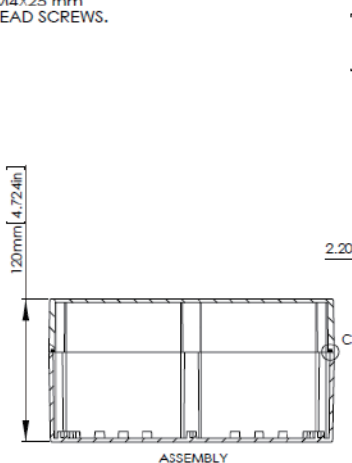
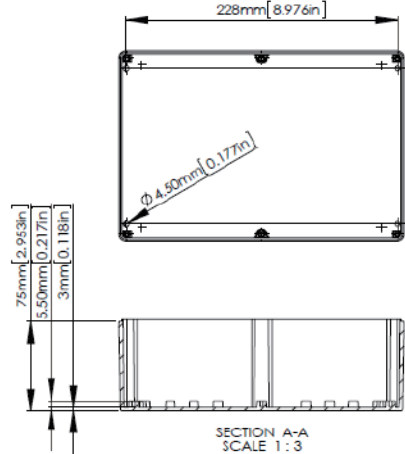
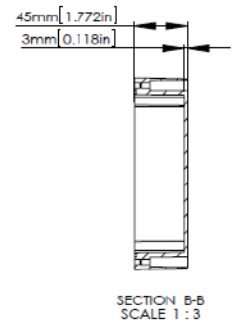
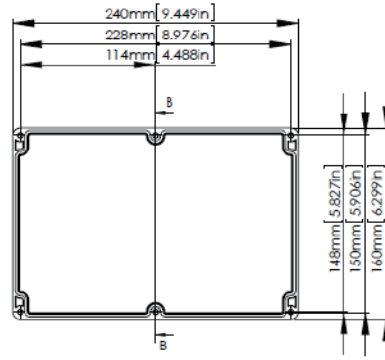
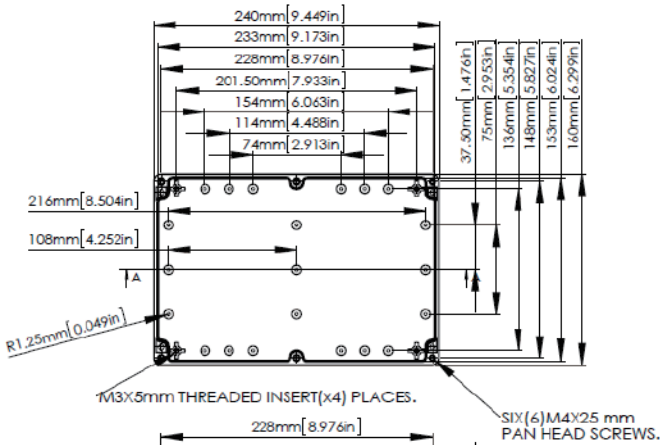
**G2018-IP67 / G2018C-IP67 / G3008-IP67**



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

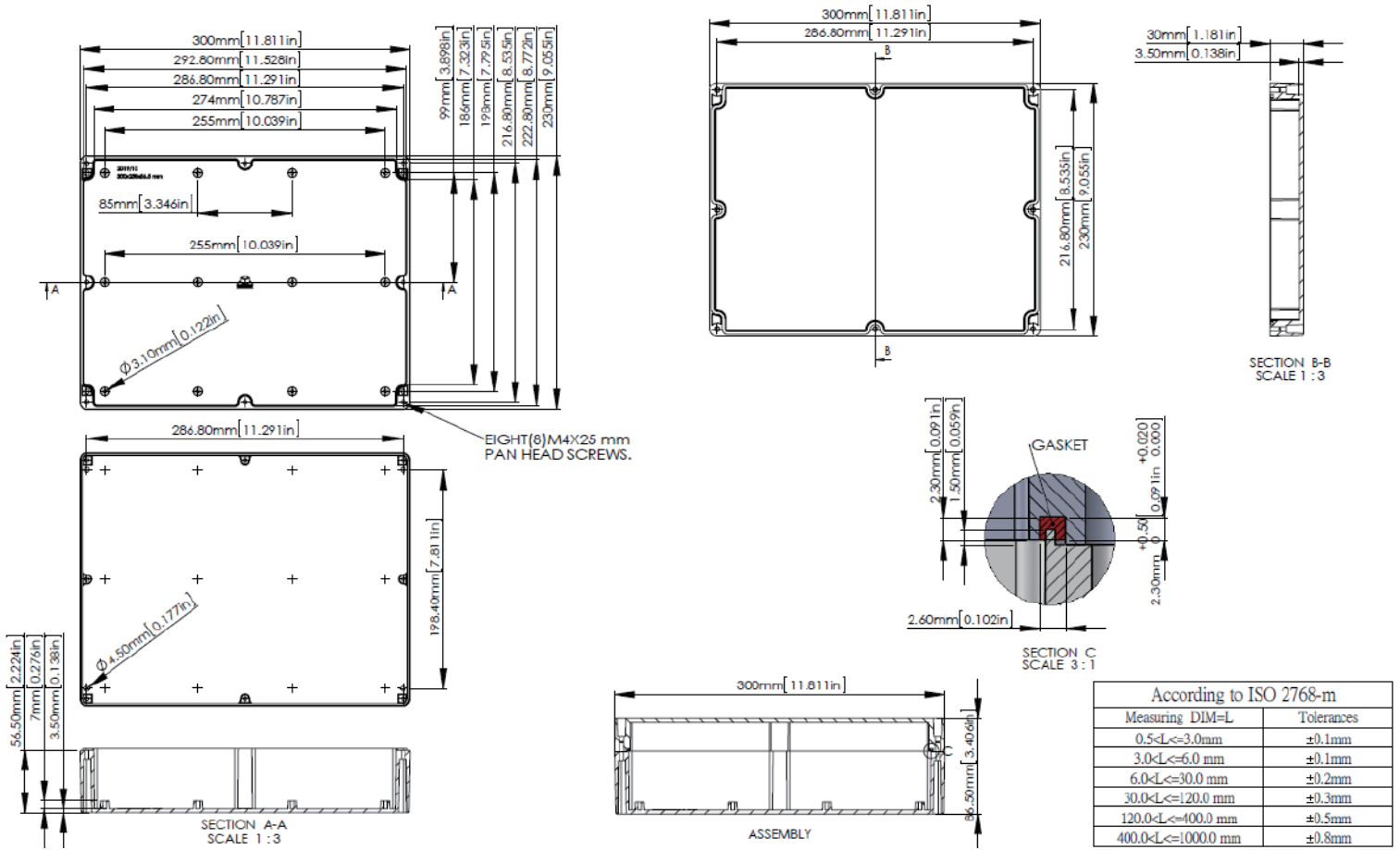
**G2025-IP67 / G2025C-IP67 / G3019-IP67**



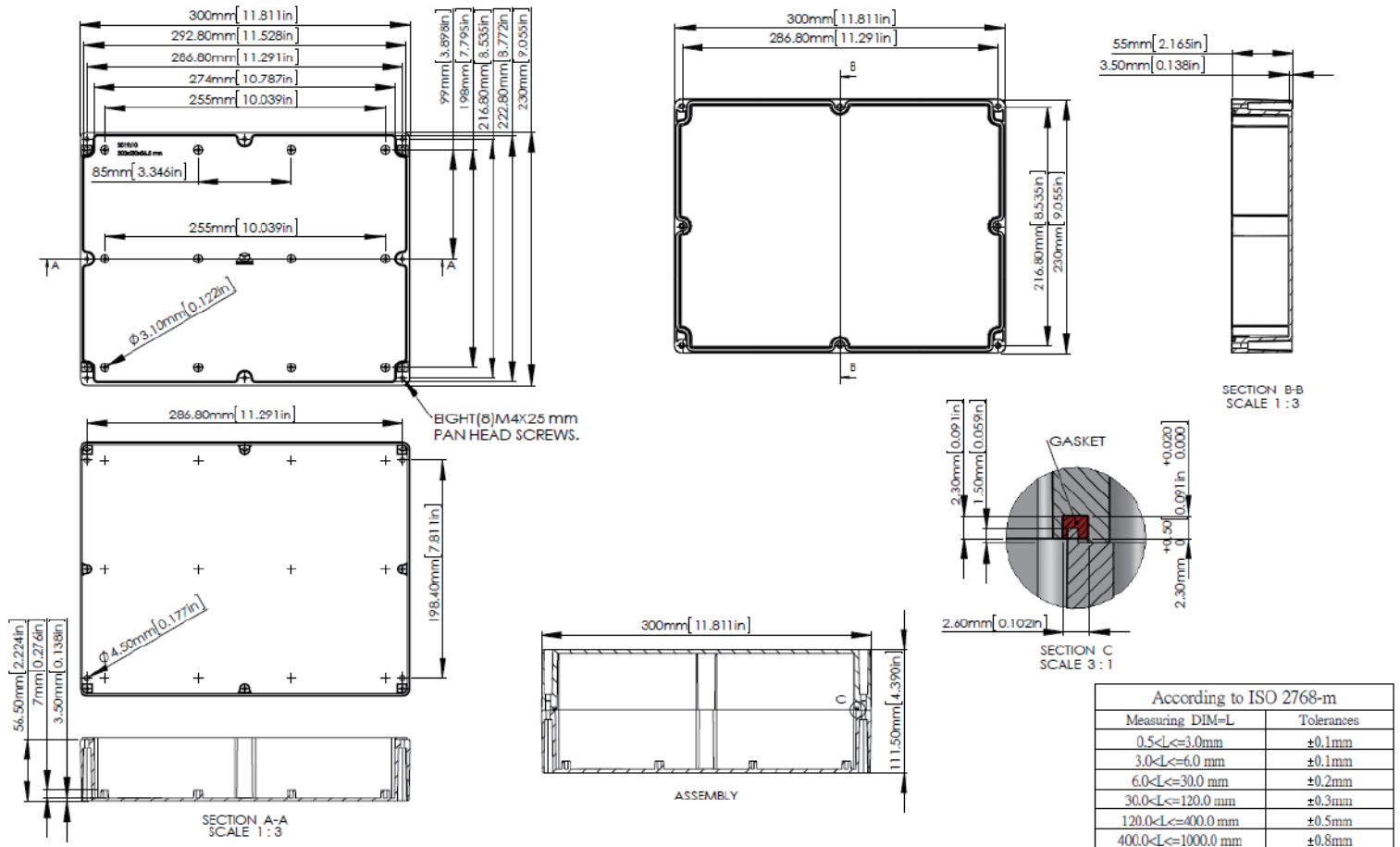
According to ISO 2768-m

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

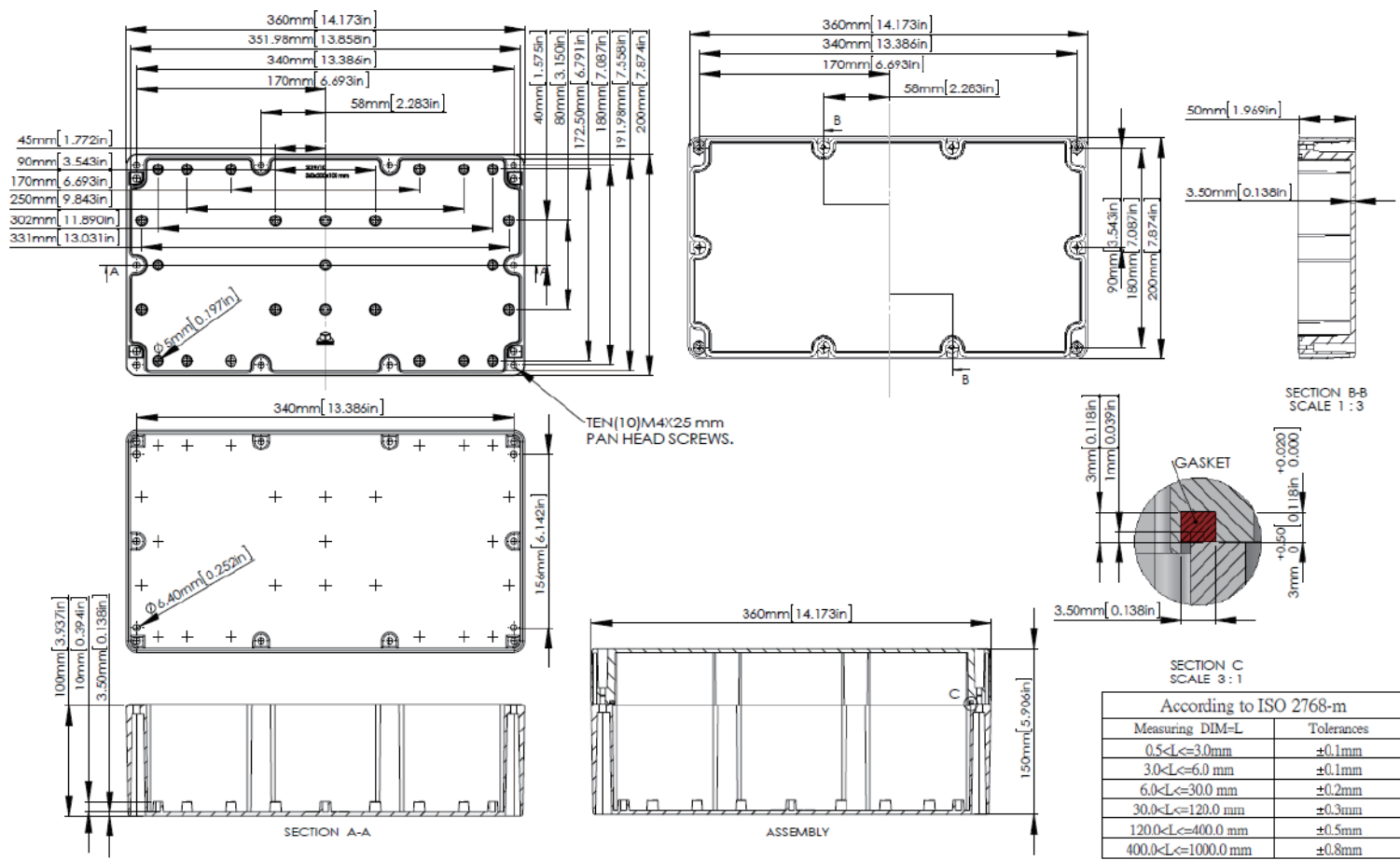
**G20295-IP67 / G20295C-IP67 / G30285-IP67**



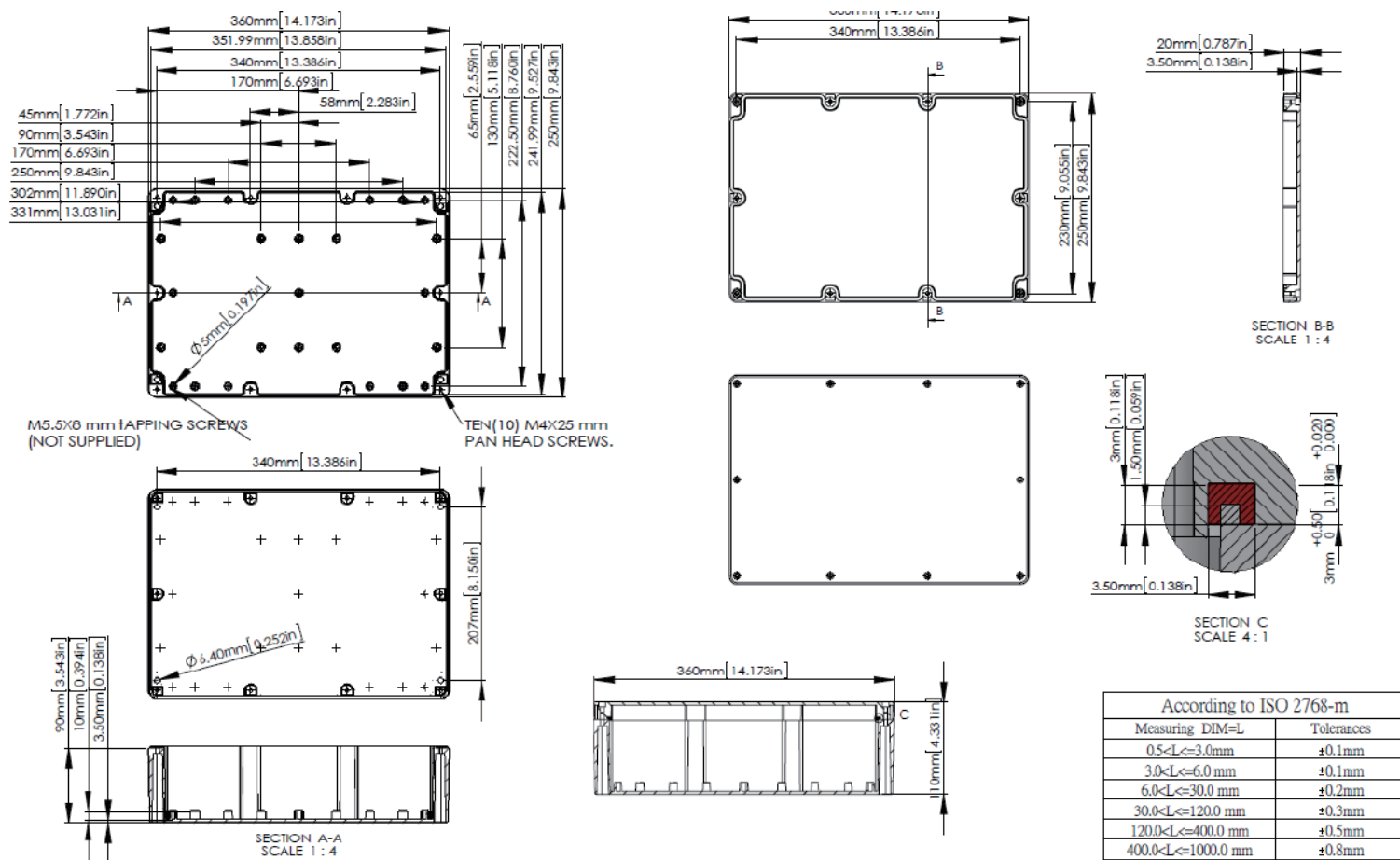
**G20385-IP67 / G20385C-IP67 / G30312-IP67**



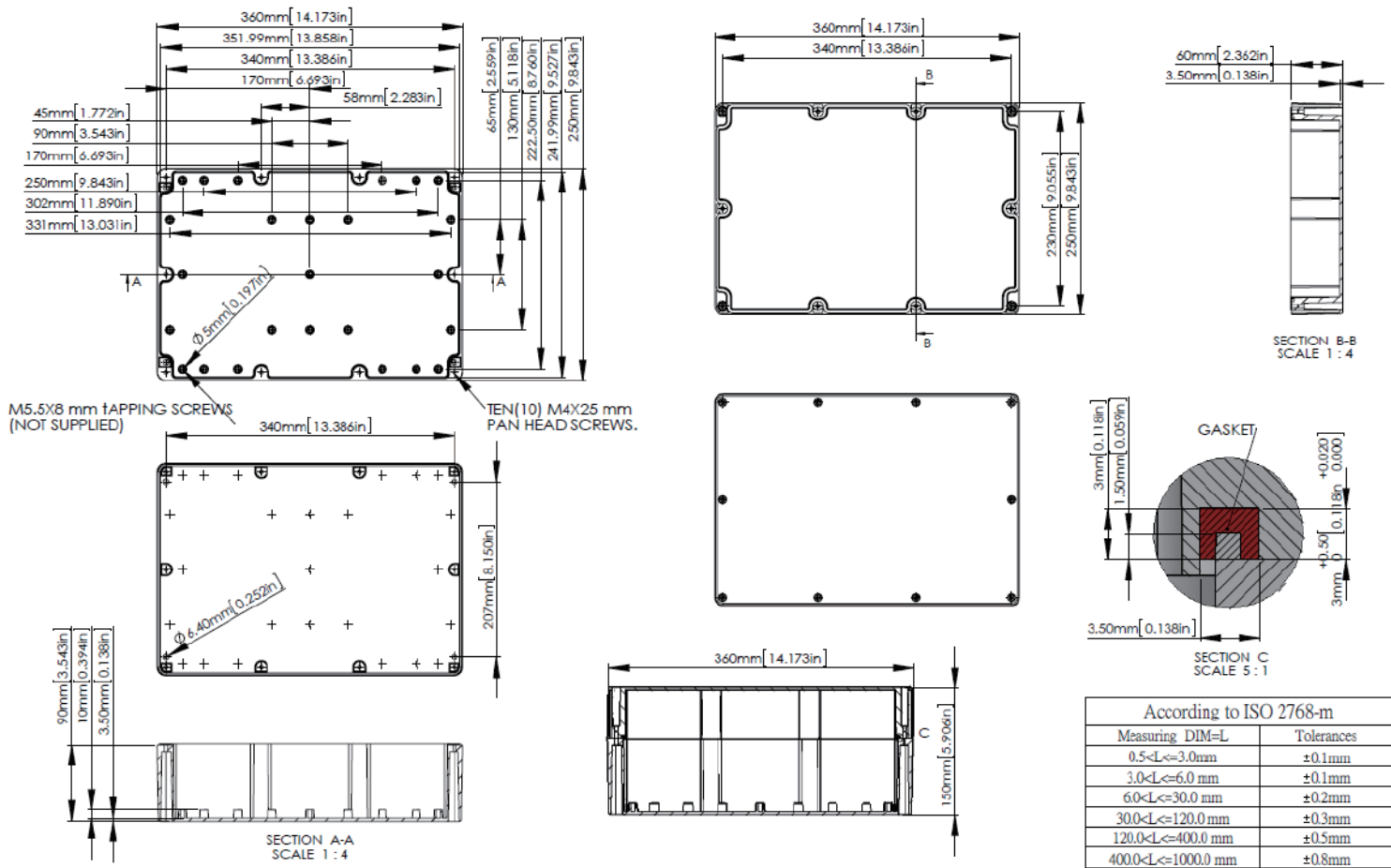
**G20583-IP67 / G20583C-IP67 / G30393-IP67**



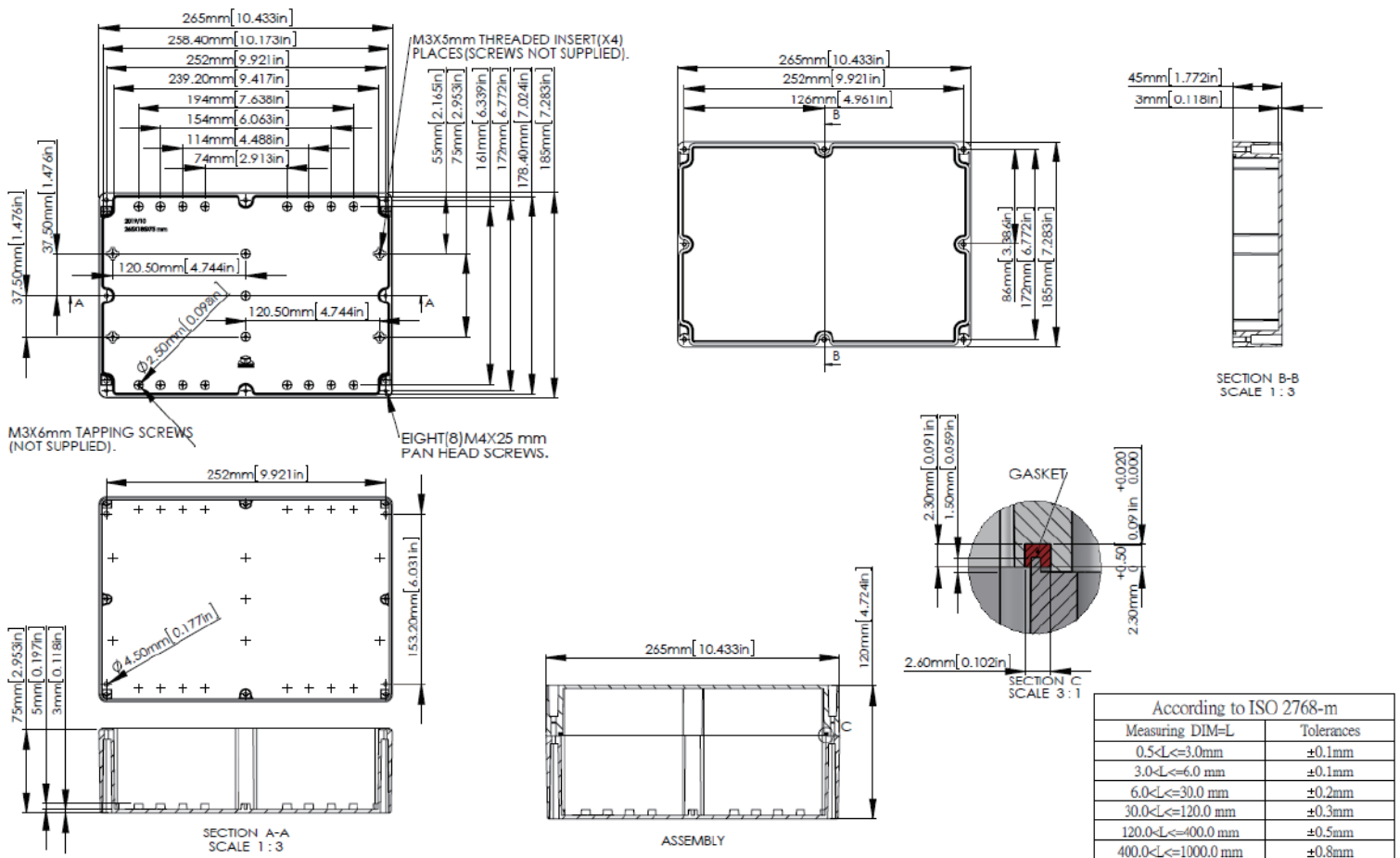
**G20793-IP67 / G20793C-IP67 / G30693-IP67**



**G20883-IP67 / G20883C-IP67 / G30993-IP67**



**G2393-IP67 / G2393C-IP67 / G3913-IP67**



# IP67 POLYCARBONATE AND ABS ENCLOSURES WITH MOUNTING FLANGE



### PRODUCT INFORMATION

- The lid and base incorporate a tongue and groove sealing system with silicone adhesive.
- Wall mounting holes and lid fixing screws are outside the sealing area thus preventing the ingress of moisture and dust.
- Design to IP67 of IEC 529 ( Dust and Hoseproof ).
- 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.



G212MF-IP67



G205CMF-IP67



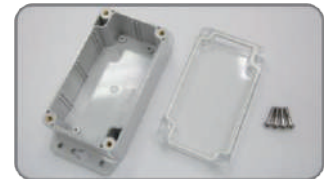
G362MF-IP67



**Content**



G212MF-IP67



G205CMF-IP67



G362MF-IP67

**PC**  
(G2XXMF-IP67)  
(G2XXCMF-IP67)

- Material : Polycarbonate ( UL94-HB )
- Moulded in : Light grey
- Operating temperature : -40°C to 120°C
- Clear lid is available on request
- Mounting flange is designed on the bottom of the base, so the base can be mounted with pan head type of screws on the wall easily

\*\* Detailed screw size please refer the product drawing

**ABS**  
(G3XXMF-IP67)

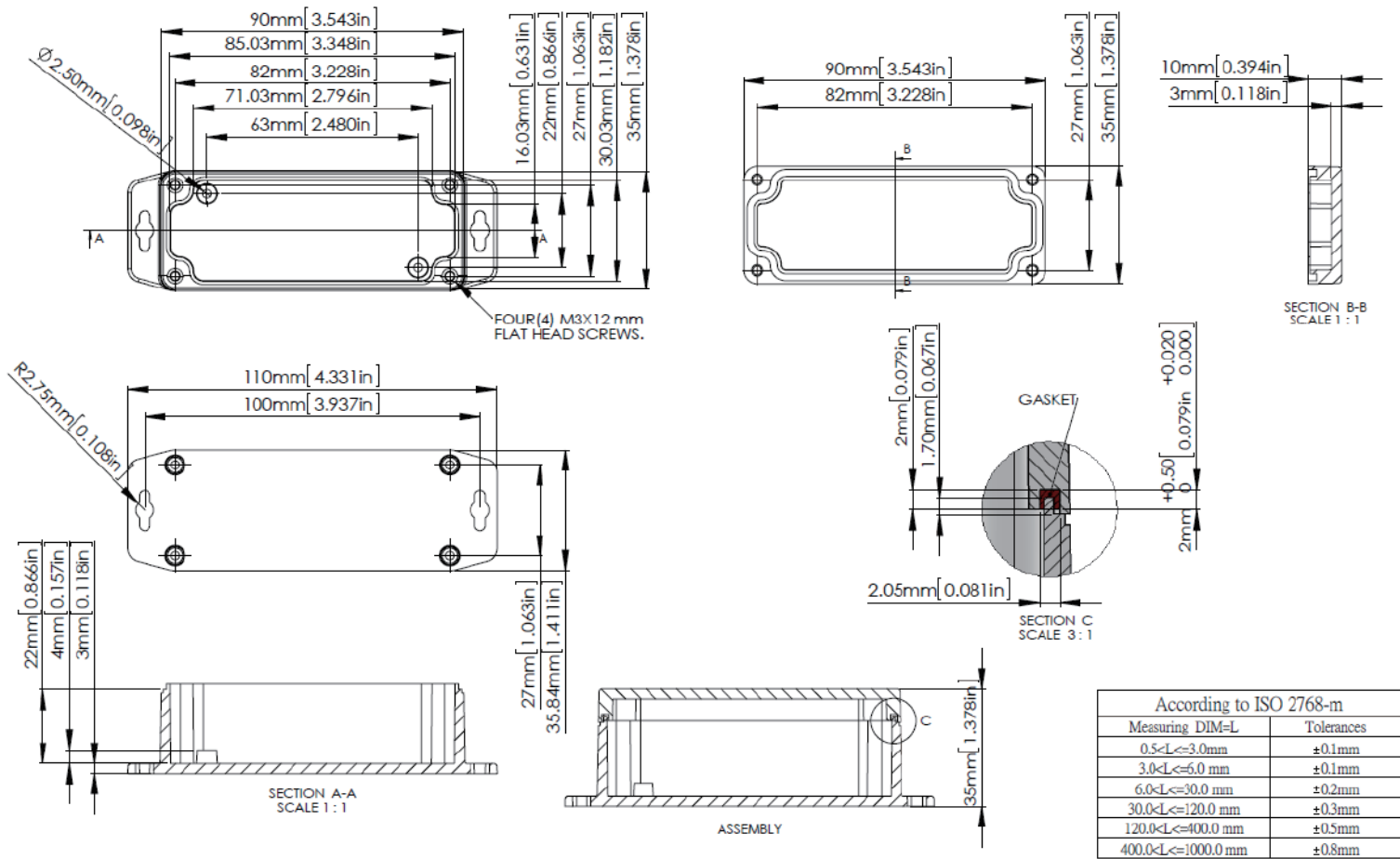
- Material : High Impact ABS ( UL94-HB )
- Moulded in : Dark grey
- Operating temperature : -20°C to 60°C
- Mounting flange is designed on the bottom of the base, so the base can be mounted with pan head type of screws on the wall easily

\*\* Detailed screw size please refer the product drawing

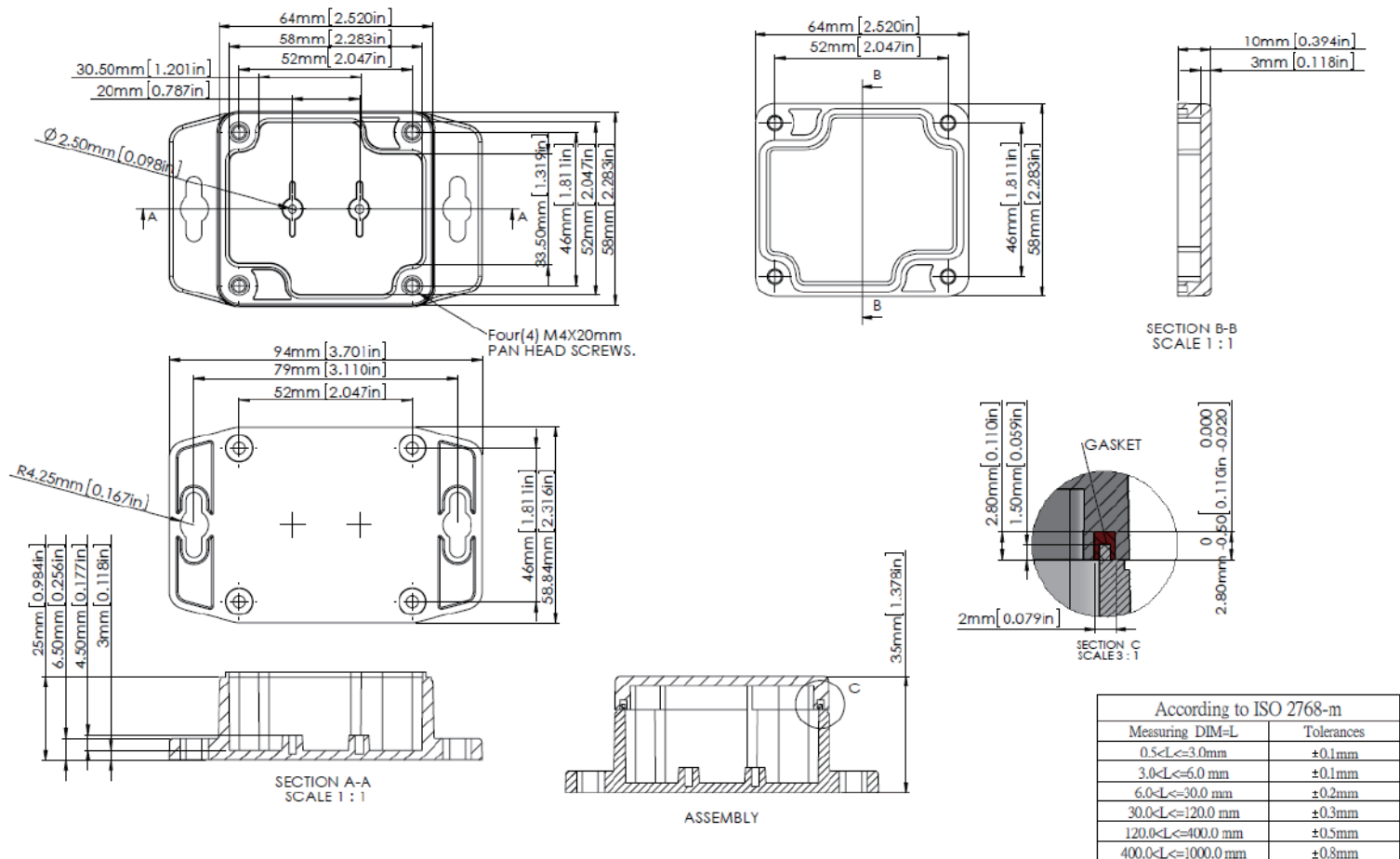
MATERIAL : POLYCARBONATE		EXTERNAL DIMENSION(mm)	MATERIAL : ABS
Light Grey Lid + Light Grey Base	Clear Lid + Light Grey Base		Dark Grey Lid + Dark Grey Base
Item No.	Item No.		Item no.
G200MF-IP67	G200CMF-IP67	90 x 35 x 35	G300MF-IP67
G201MF-IP67	G201CMF-IP67	64 x 58 x 35	G302MF-IP67
G203MF-IP67	G203CMF-IP67	115 x 65 x 40	G304MF-IP67
G205MF-IP67	G205CMF-IP67	115 x 65 x 55	G308MF-IP67
G212MF-IP67	G212CMF-IP67	115 x 90 x 55	G311MF-IP67
G214MF-IP67	G214CMF-IP67	171 x 121 x 55	G313MF-IP67
G218MF-IP67	G218CMF-IP67	222 x 146 x 55	G317MF-IP67
G221MF-IP67	G221CMF-IP67	115 x 90 x 80	G331MF-IP67
G223MF-IP67	G223CMF-IP67	171 x 121 x 80	G340MF-IP67
G232MF-IP67	G232CMF-IP67	222 x 146 x 75	G353MF-IP67
G250MF-IP67	G250CMF-IP67	52 x 50 x 35	G362MF-IP67
G256MF-IP67	G256CMF-IP67	82 x 80 x 55	G366MF-IP67
G258MF-IP67	G258CMF-IP67	160 x 80 x 55	G368MF-IP67
G265MF-IP67	G265CMF-IP67	160 x 80 x 85	G369MF-IP67
G278MF-IP67	G278CMF-IP67	120 x 120 x 60	G386MF-IP67
G279MF-IP67	G279CMF-IP67	120 x 120 x 90	G387MF-IP67
G2691MF-IP67	G2691CMF-IP67	200 x 120 x 75	G3735MF-IP67
G2385MF-IP67	G2385CMF-IP67	265 x 185 x 95	G3783MF-IP67
<b>NEW</b> G2393MF-IP67	G2393CMF-IP67	265 x 185 x 120	G3913MF-IP67

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

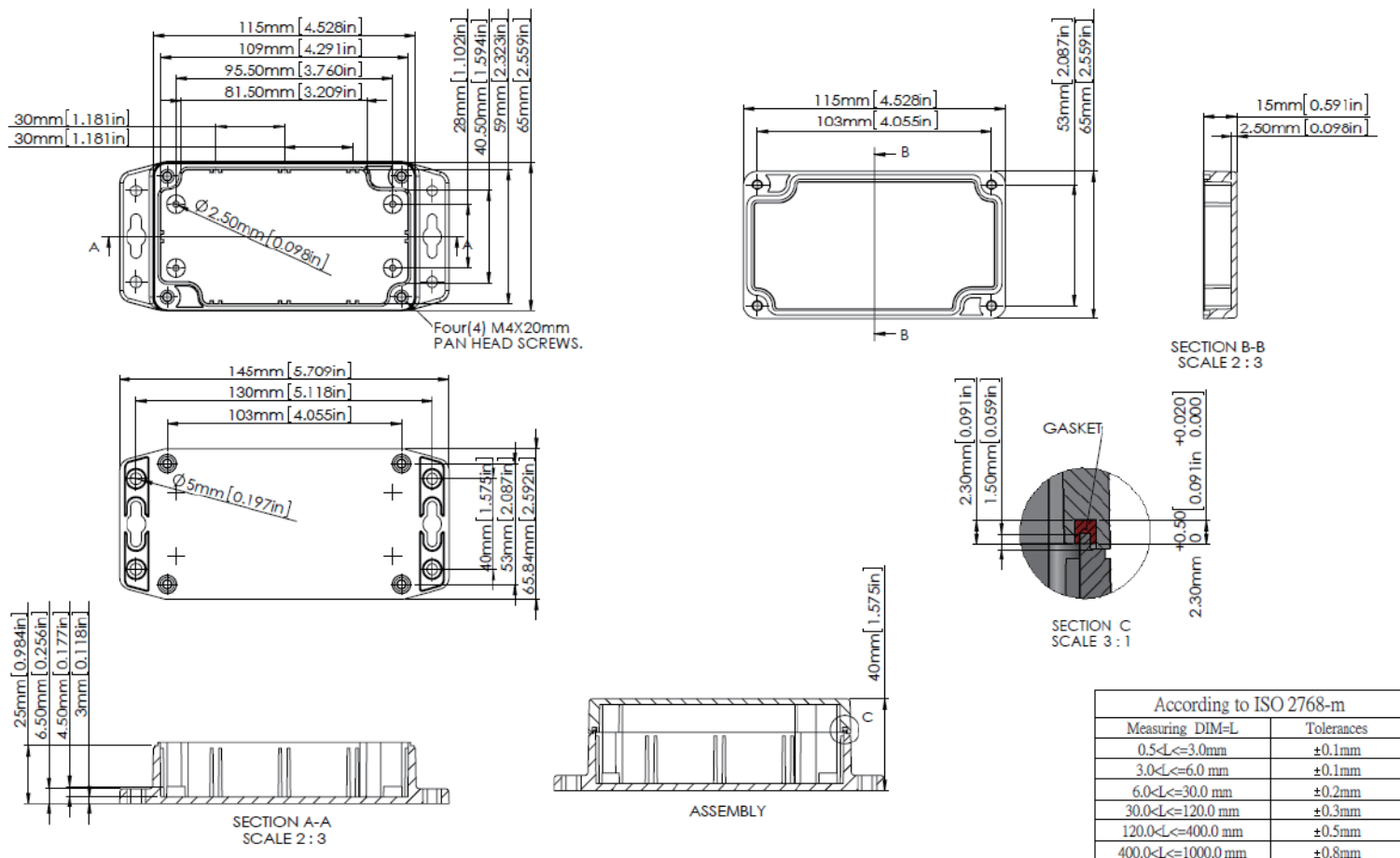
**G200MF-IP67 / G200CMF-IP67 / G300MF-IP67**



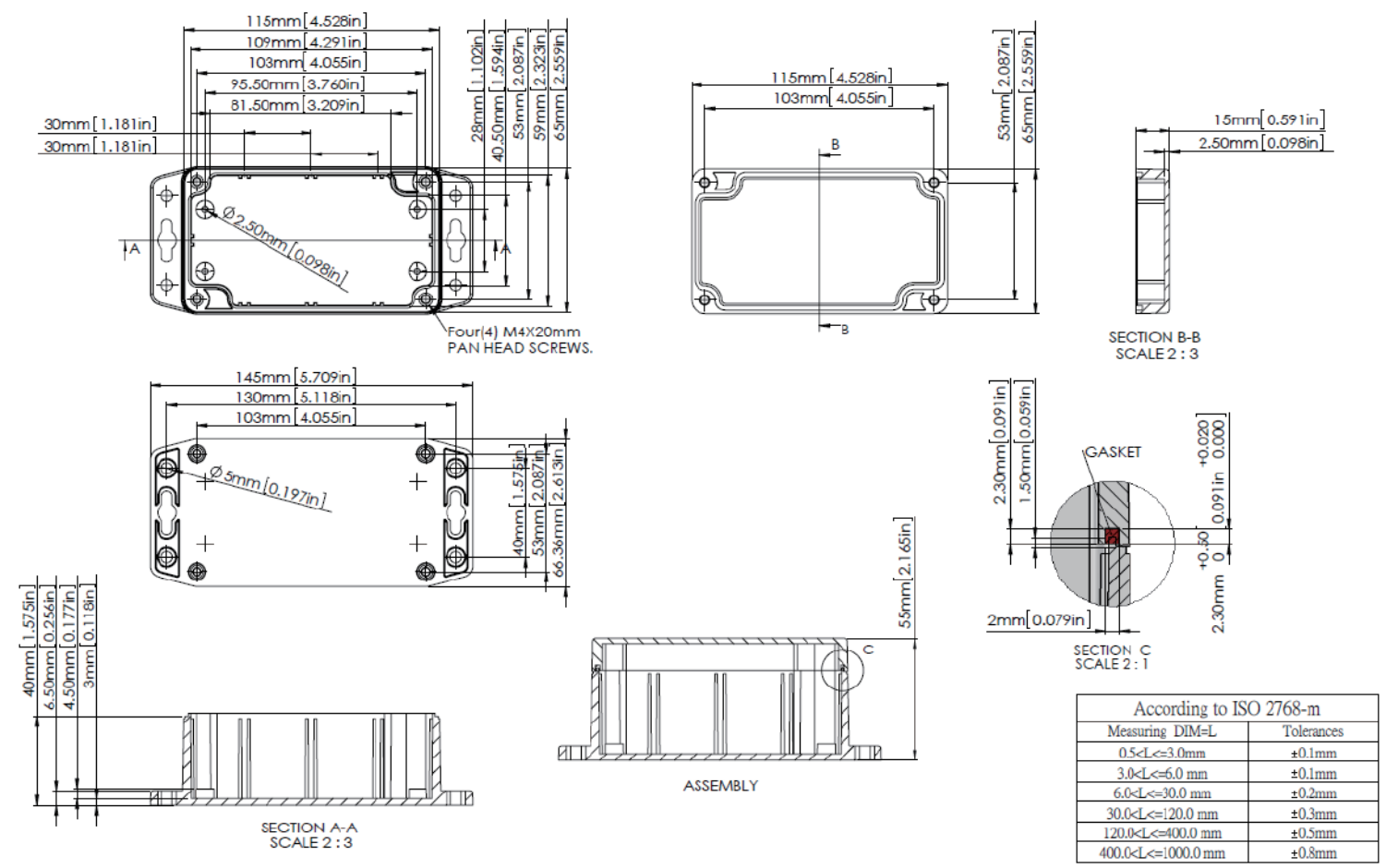
**G201MF-IP67 / G201CMF-IP67 / G302MF-IP67**



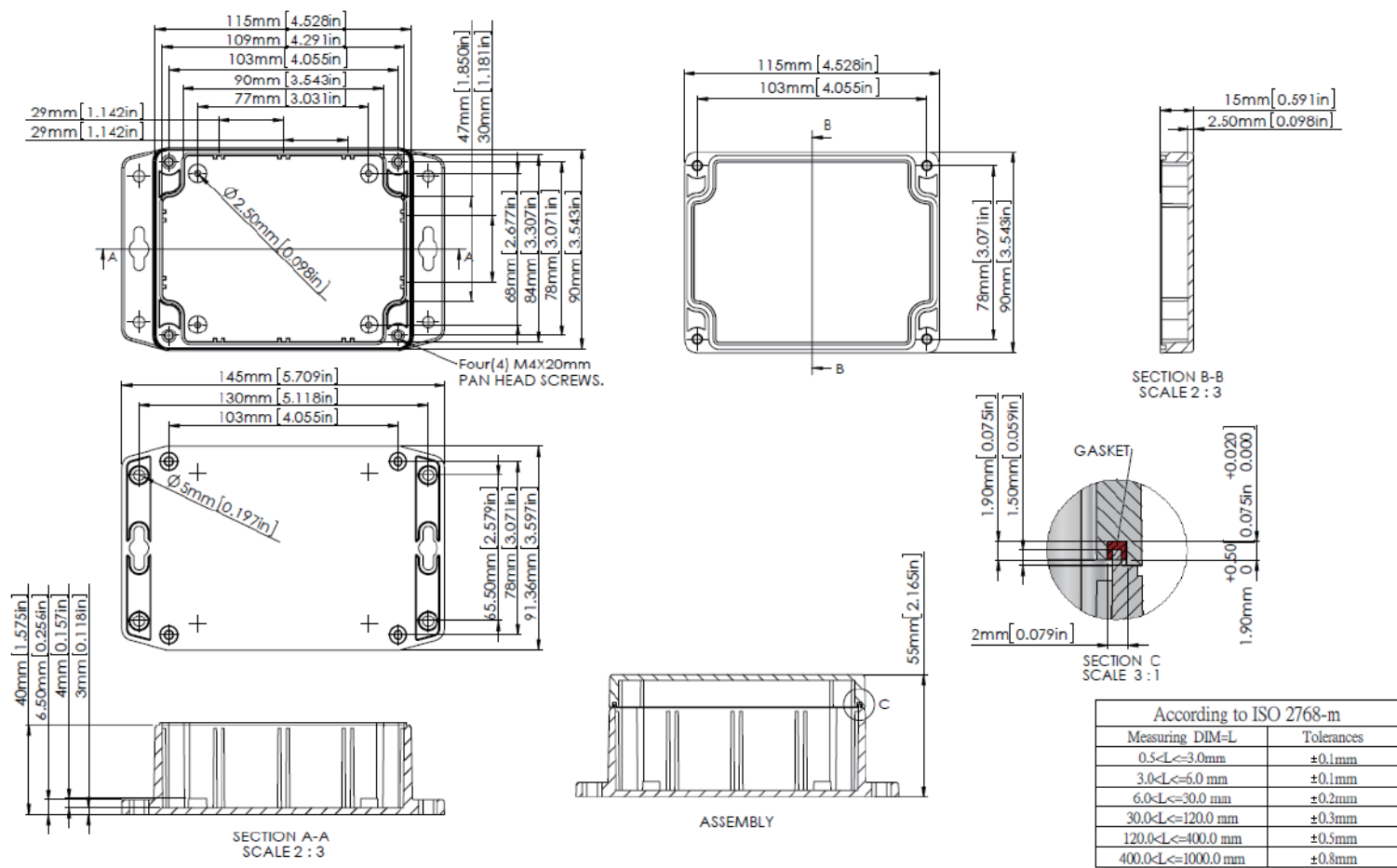
**G203MF-IP67 / G203CMF-IP67 / G304MF-IP67**



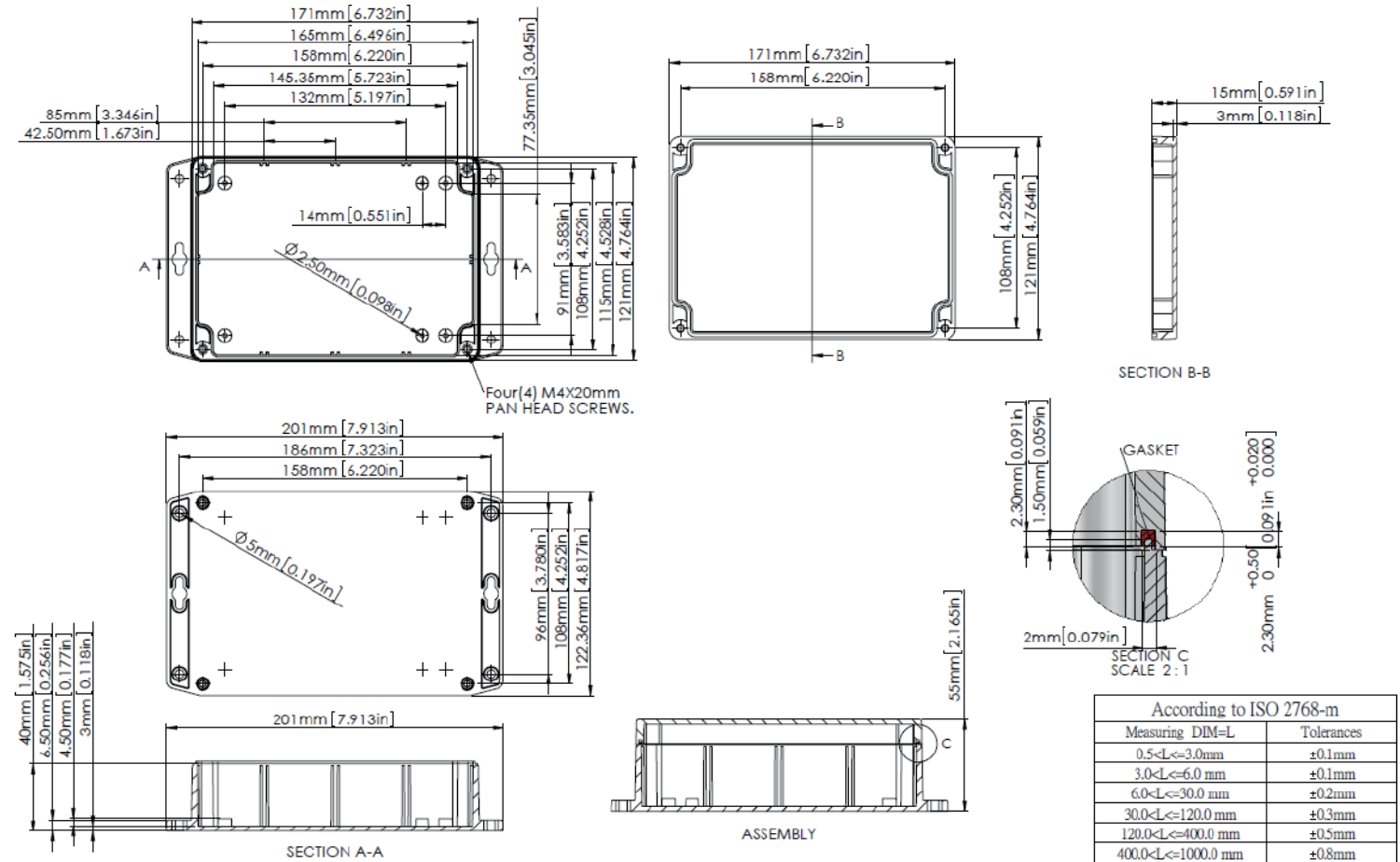
**G205MF-IP67 / G205CMF-IP67 / G308MF-IP67**



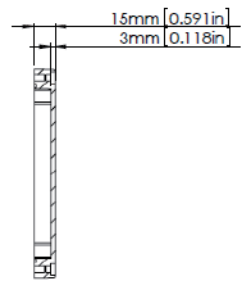
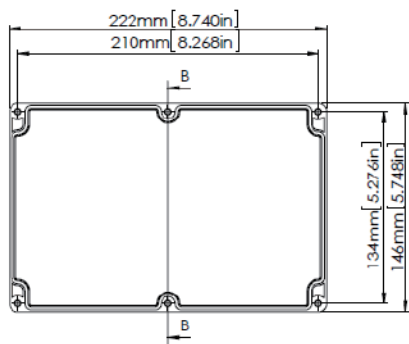
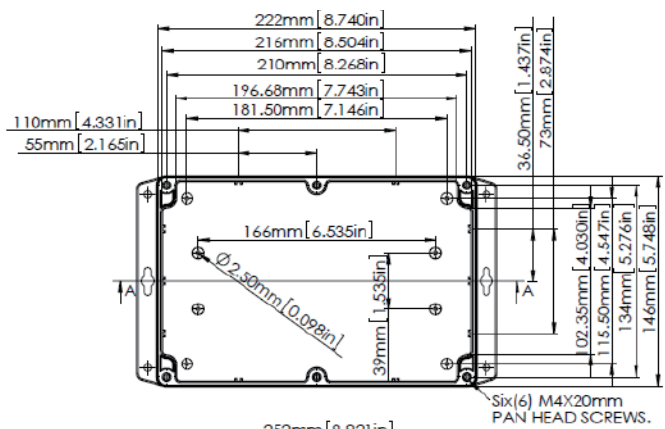
**G212MF-IP67 / G212CMF-IP67 / G311MF-IP67**



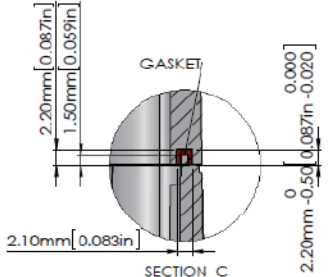
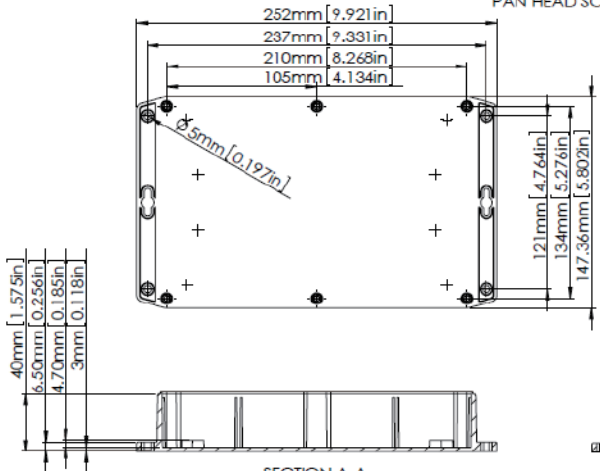
**G214MF-IP67 / G214CMF-IP67 / G313MF-IP67**



**G218MF-IP67 / G218CMF-IP67 / G317MF-IP67**



SECTION B-B  
SCALE 2 : 5

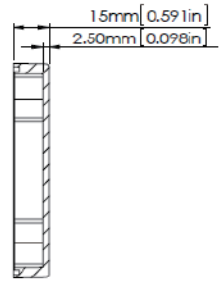
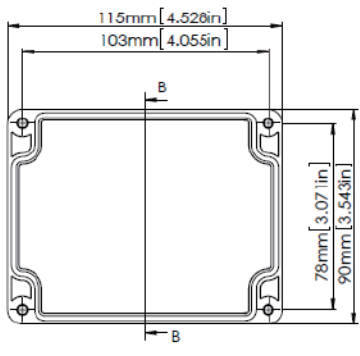
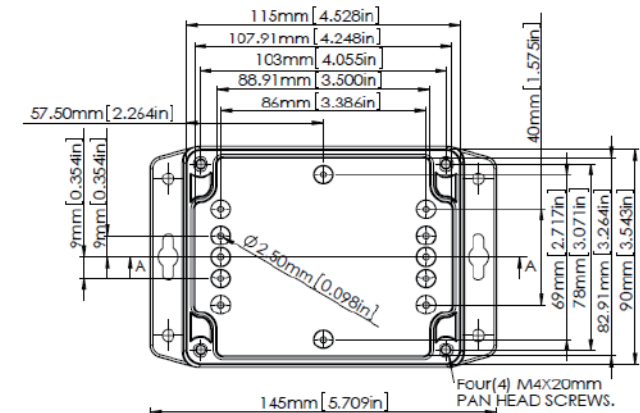


SECTION C  
SCALE 2 : 1

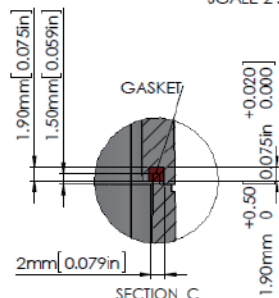
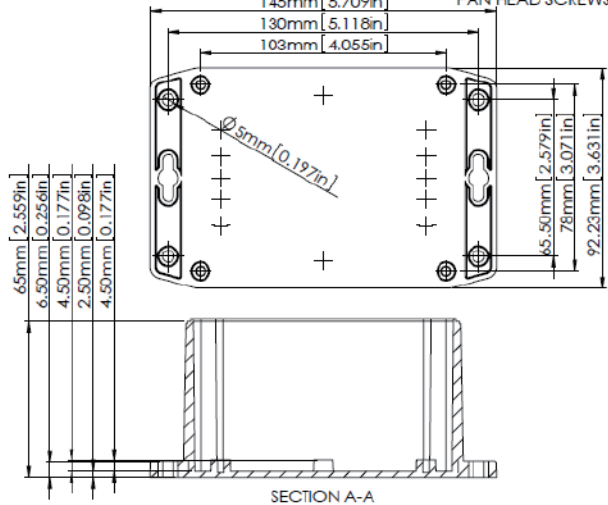
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 mm	±0.1mm
6.0<L≤30.0 mm	±0.2mm
30.0<L≤120.0 mm	±0.3mm
120.0<L≤400.0 mm	±0.5mm
400.0<L≤1000.0 mm	±0.8mm

SECTION A-A  
SCALE 2 : 5

**G221MF-IP67 / G221CMF-IP67 / G331MF-IP67**



SECTION B-B  
SCALE 2 : 3

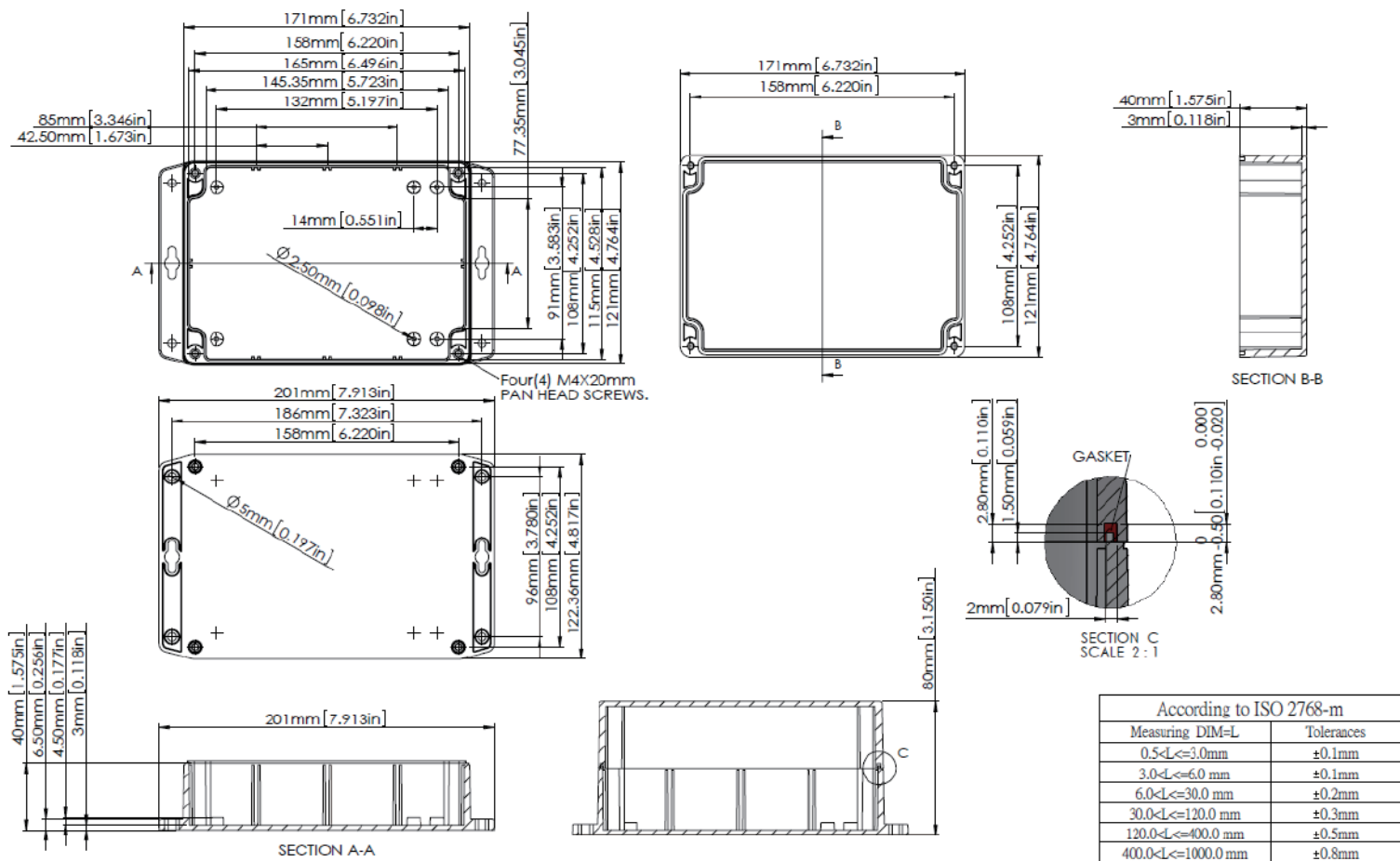


SECTION C  
SCALE 2 : 1

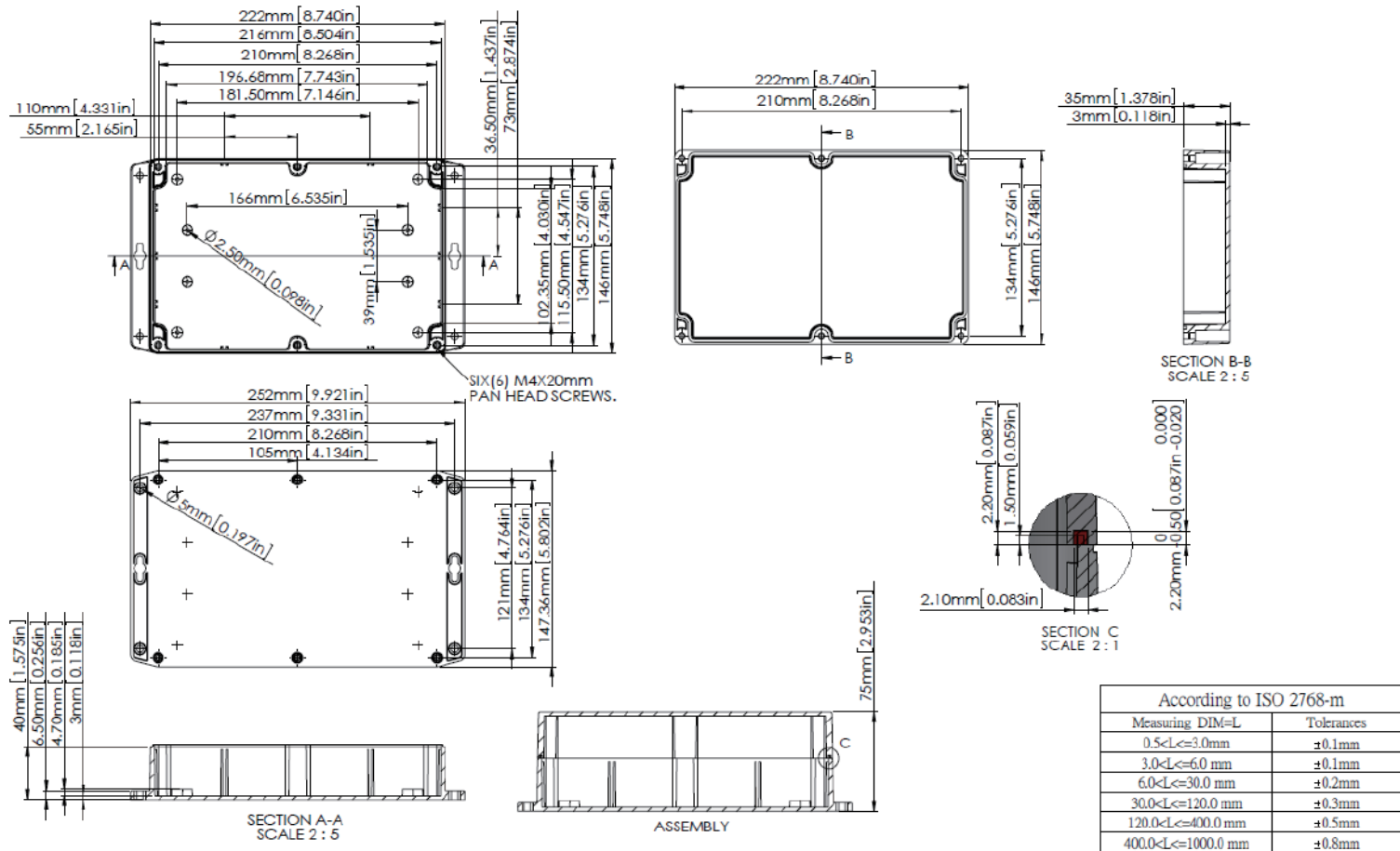
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 mm	±0.1mm
6.0<L≤30.0 mm	±0.2mm
30.0<L≤120.0 mm	±0.3mm
120.0<L≤400.0 mm	±0.5mm
400.0<L≤1000.0 mm	±0.8mm

SECTION A-A  
SCALE 2 : 3

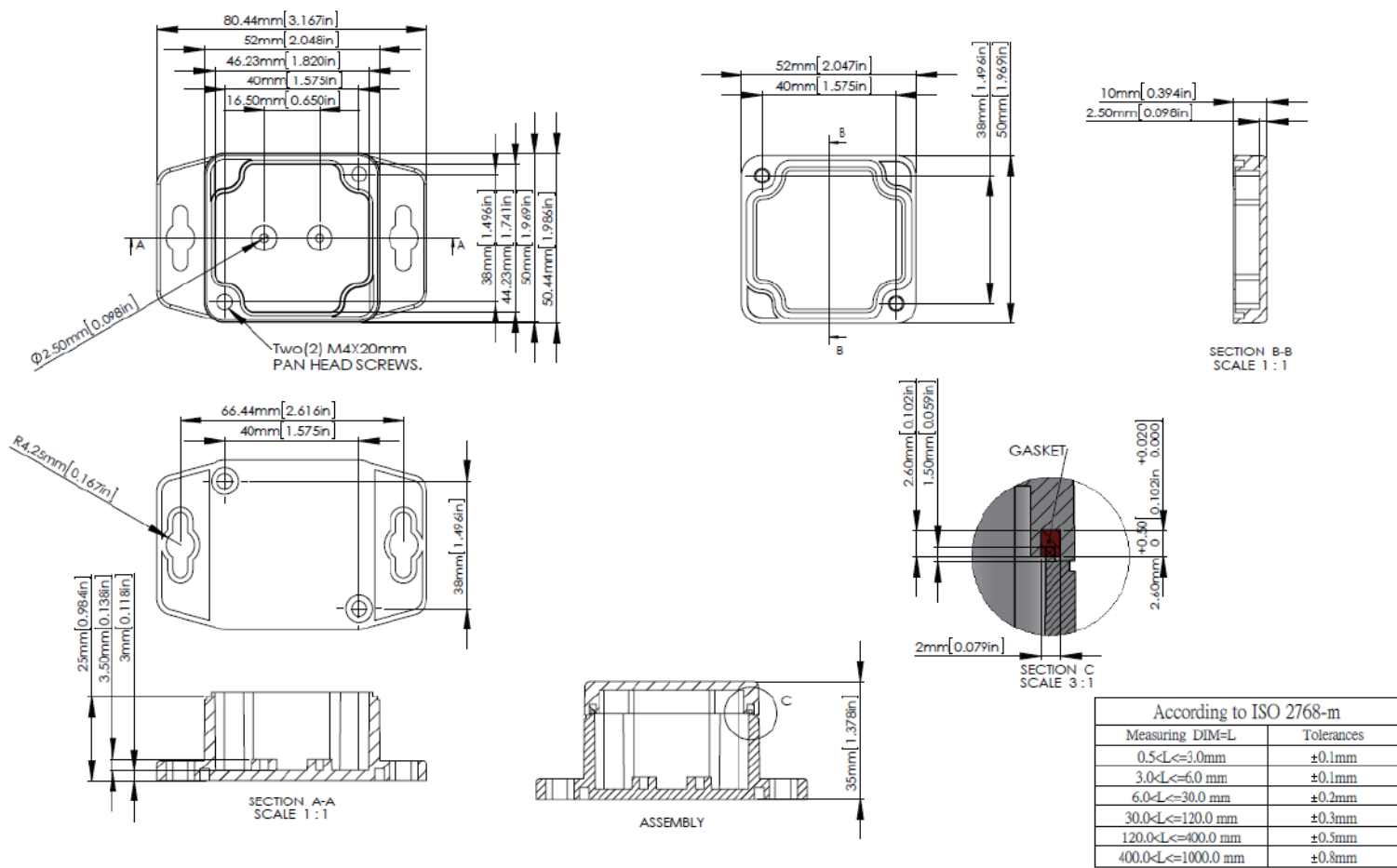
**G223MF-IP67 / G223CMF-IP67 / G340MF-IP67**



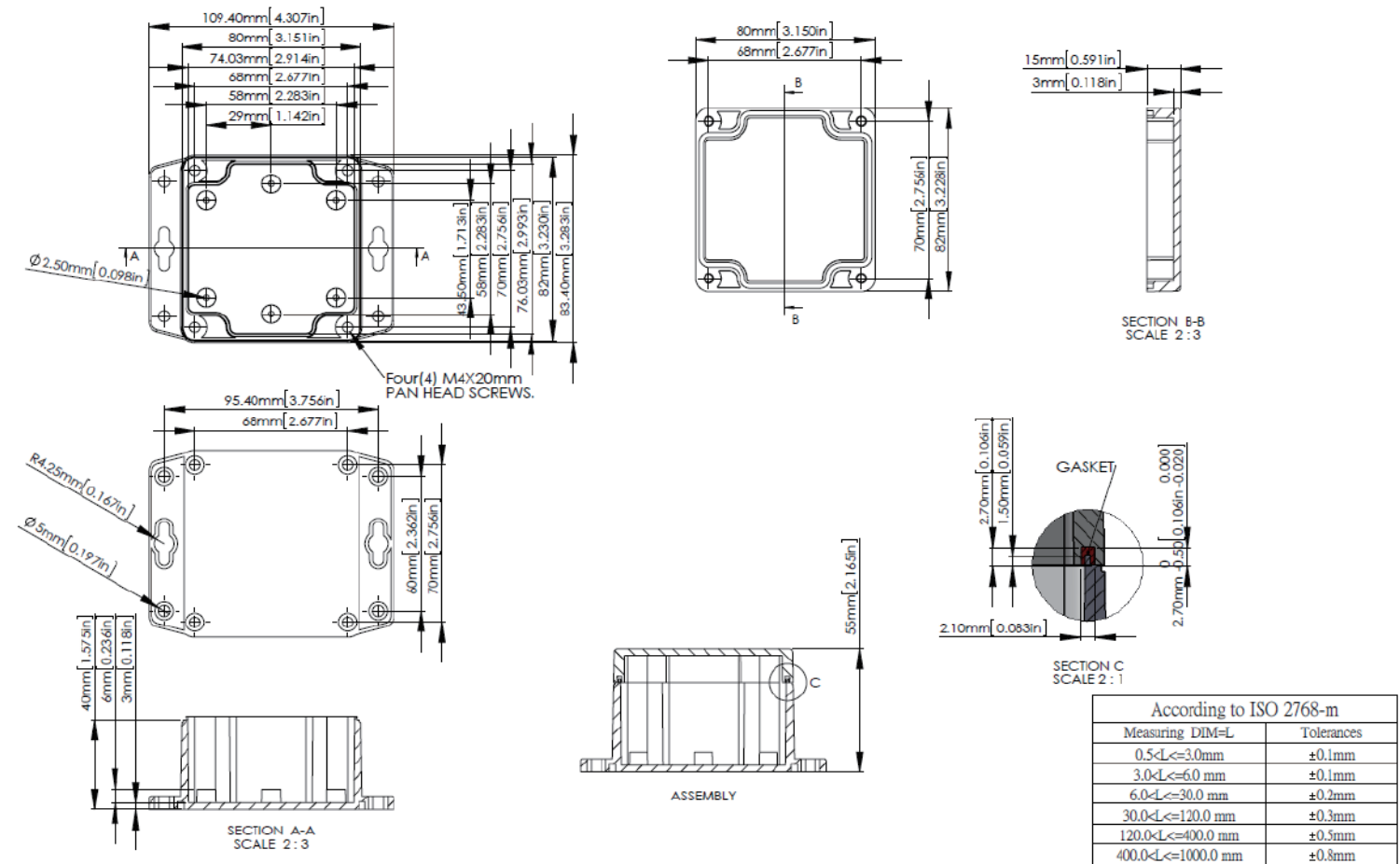
**G232MF-IP67 / G232CMF-IP67 / G353MF-IP67**



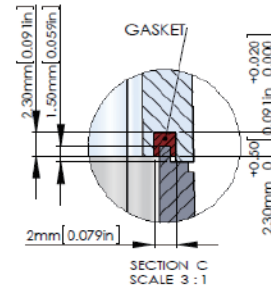
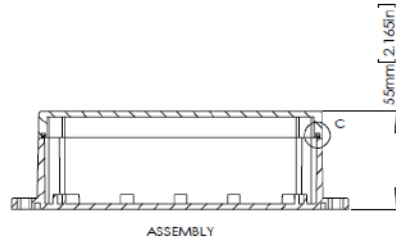
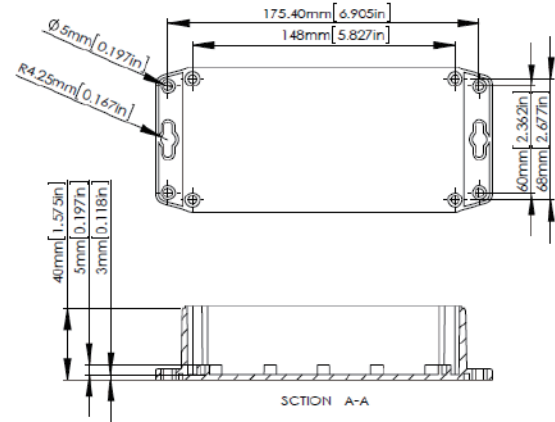
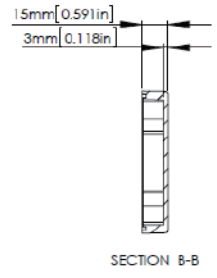
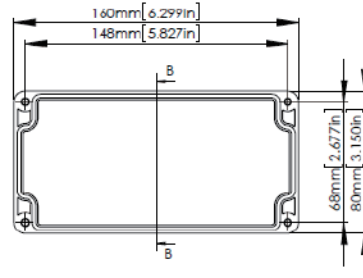
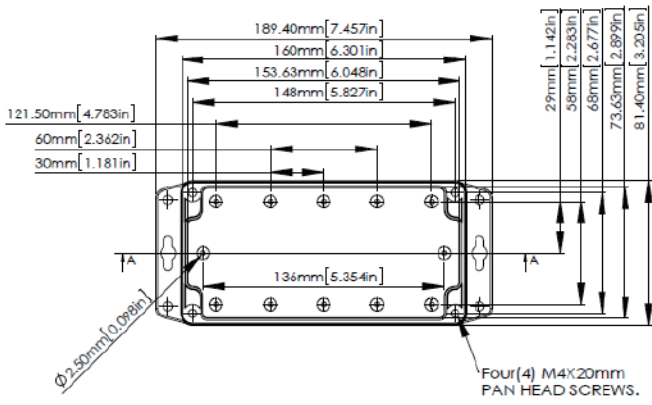
**G250MF-IP67 / G250CMF-IP67 / G362MF-IP67**



**G256MF-IP67 / G256CMF-IP67 / G366MF-IP67**



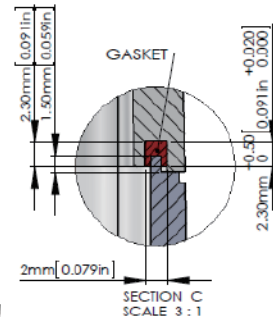
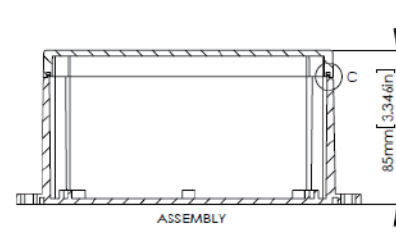
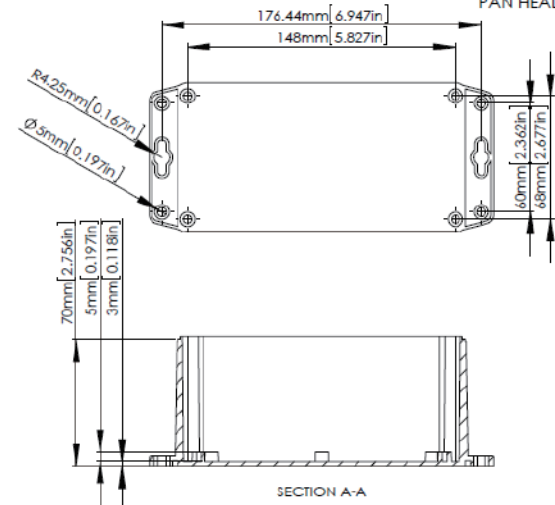
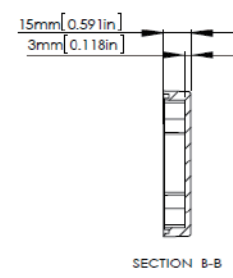
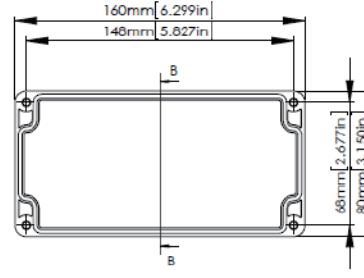
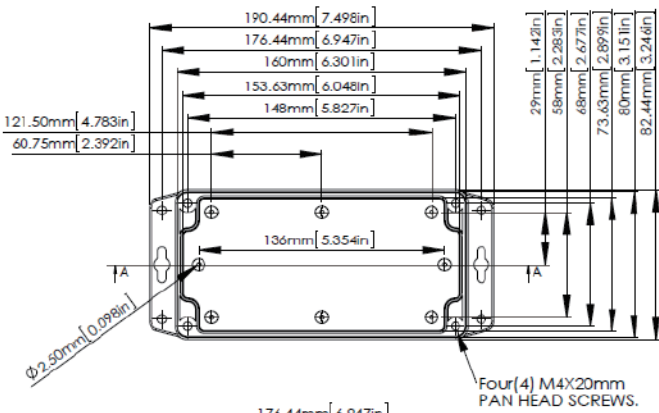
**G258MF-IP67 / G258CMF-IP67 / G368MF-IP67**



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

**G265MF-IP67 / G265CMF-IP67 / G369MF-IP67**

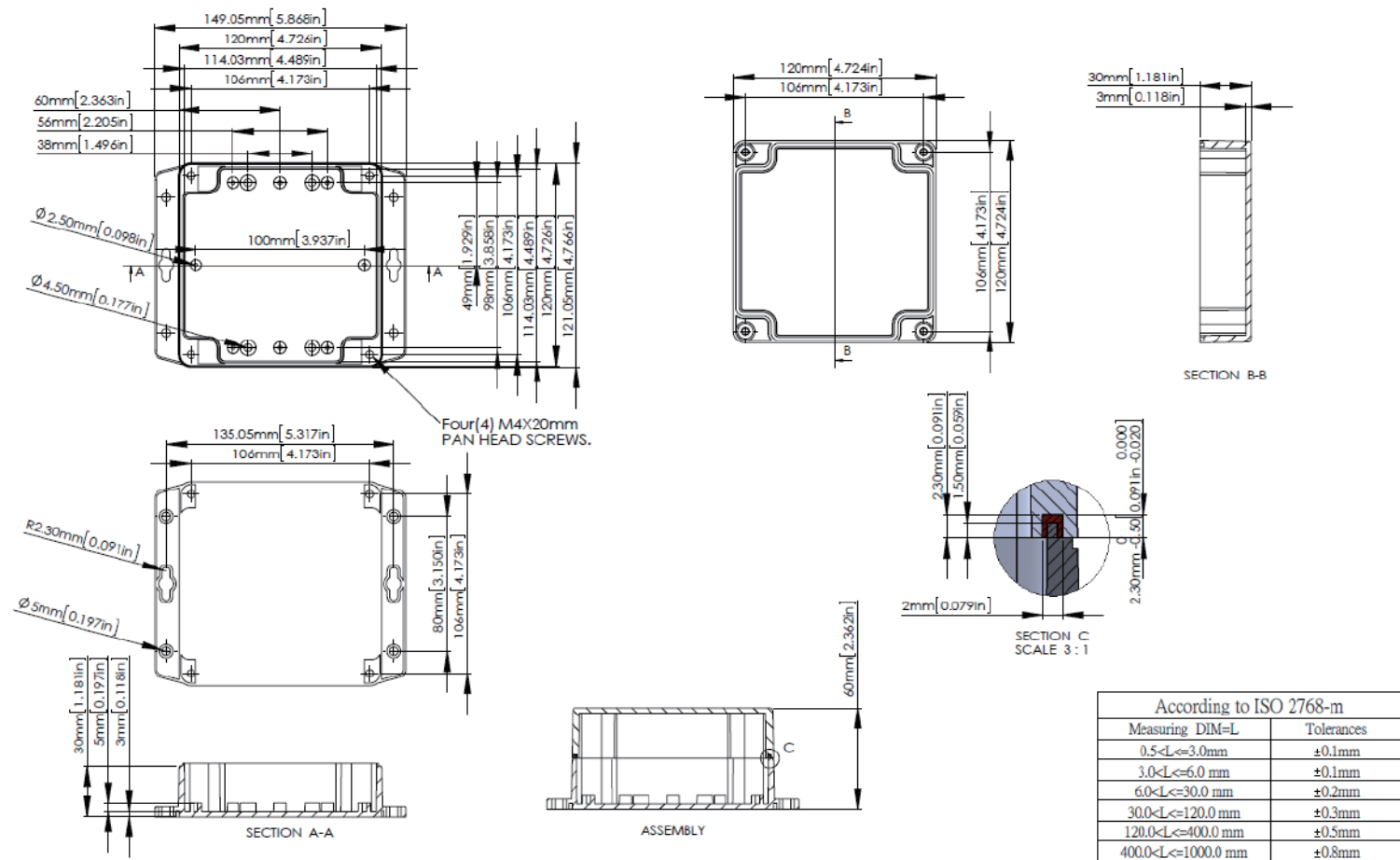


According to ISO 2768-m

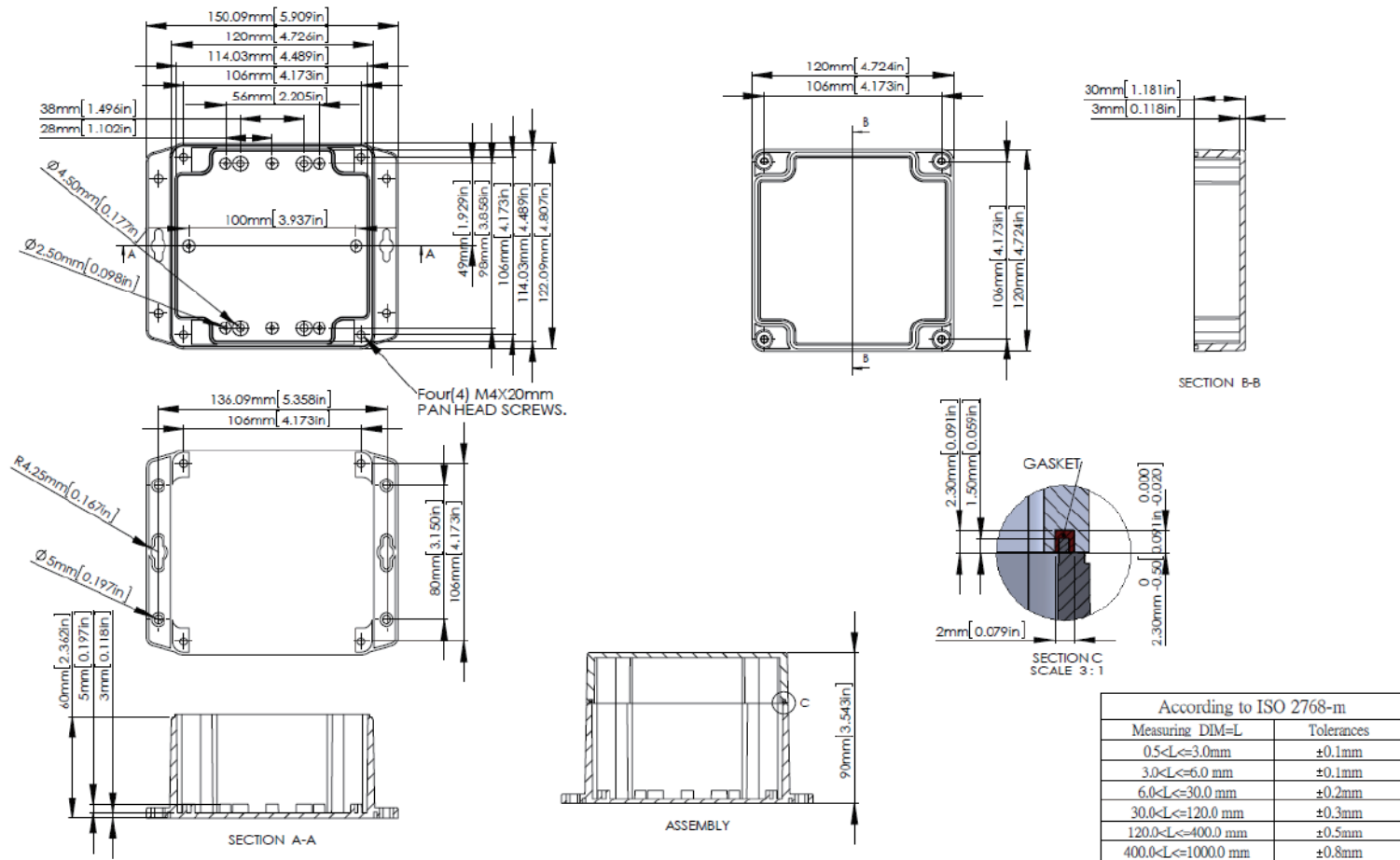
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm



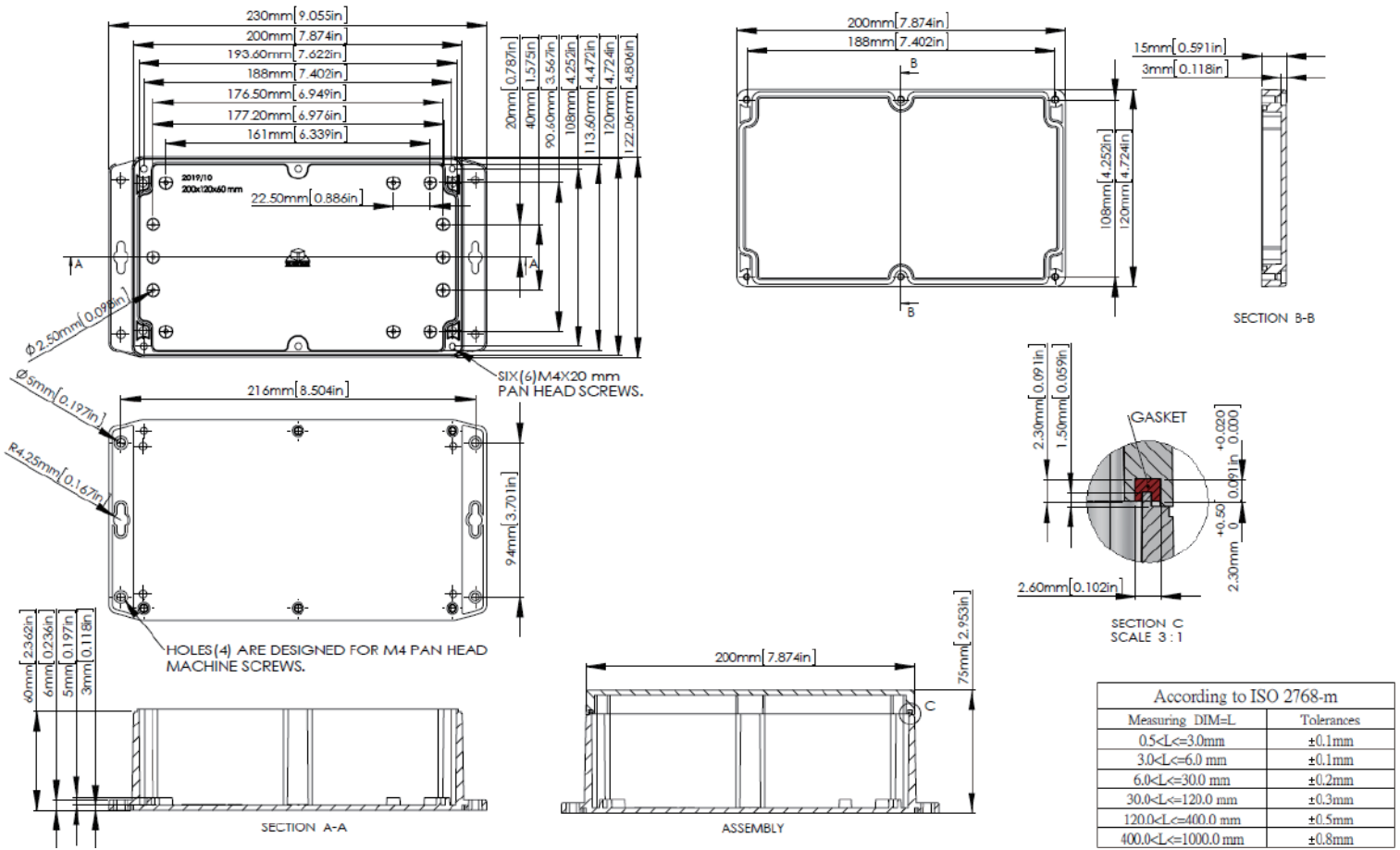
**G278MF-IP67 / G278CMF-IP67 / G386MF-IP67**



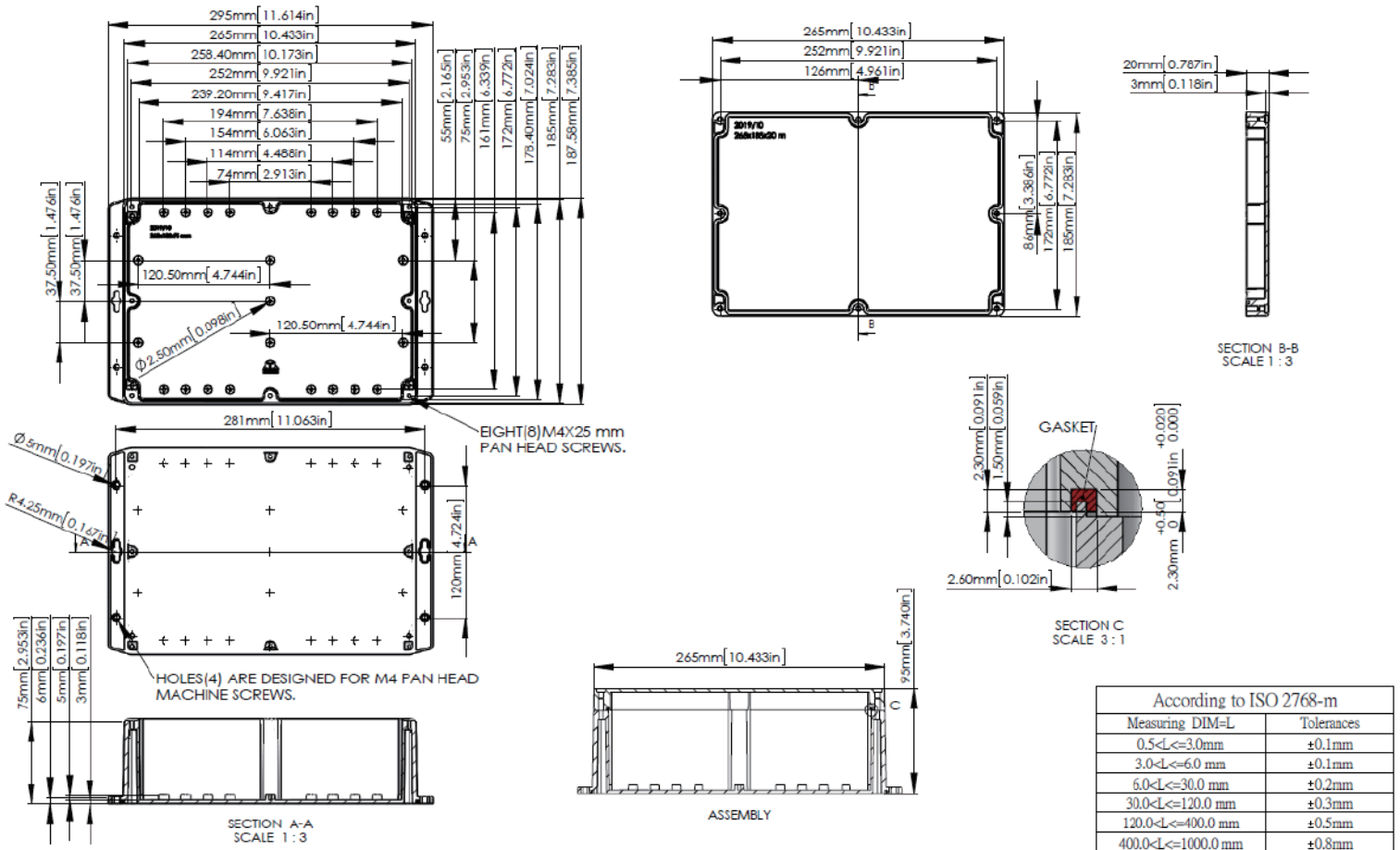
**G279MF-IP67 / G279CMF-IP67 / G387MF-IP67**



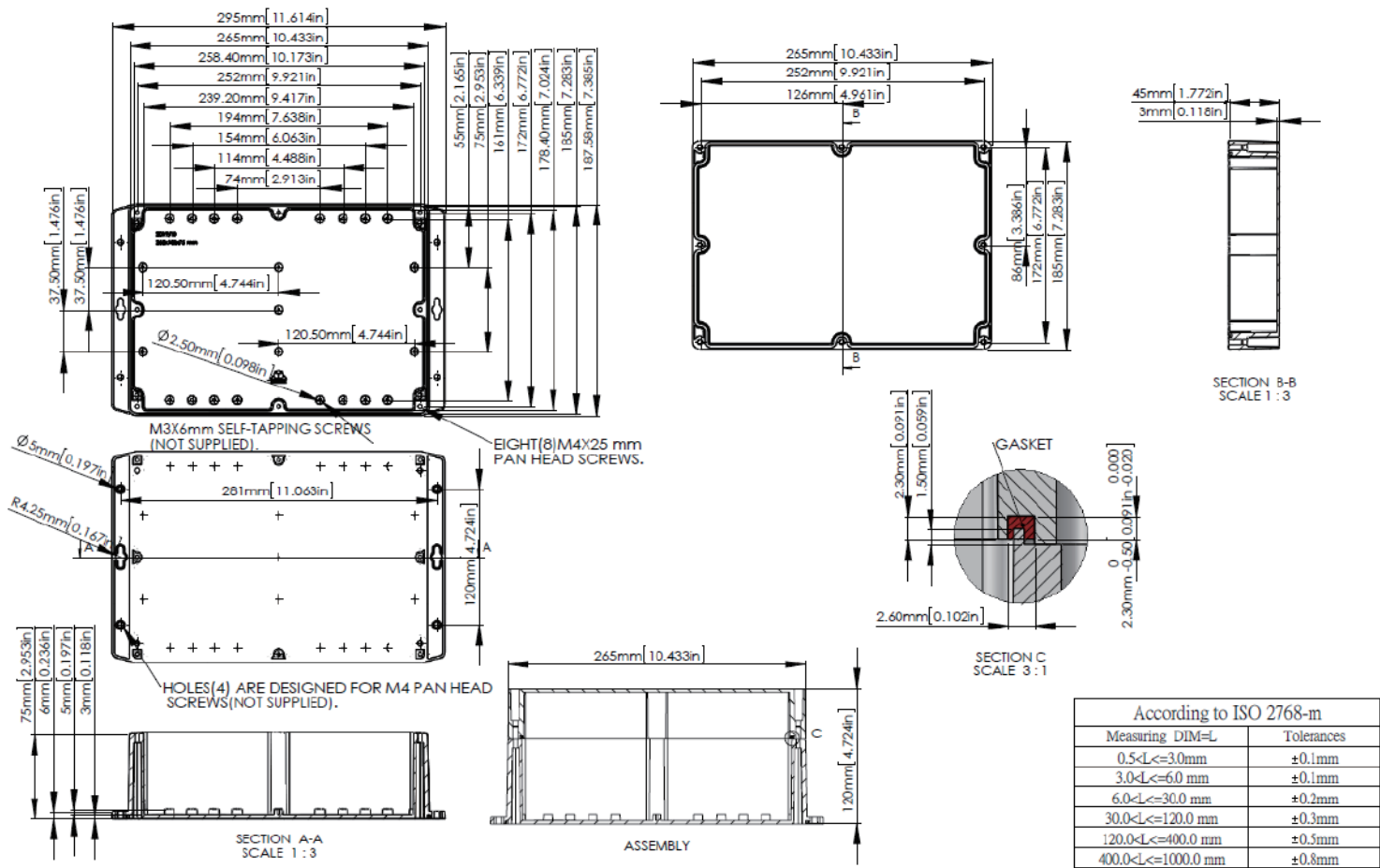
**G2691MF-IP67 / G2691CMF-IP67 / G3735MF-IP67**



**G2385MF-IP67 / G2385CMF-IP67 / G3783MF-IP67**

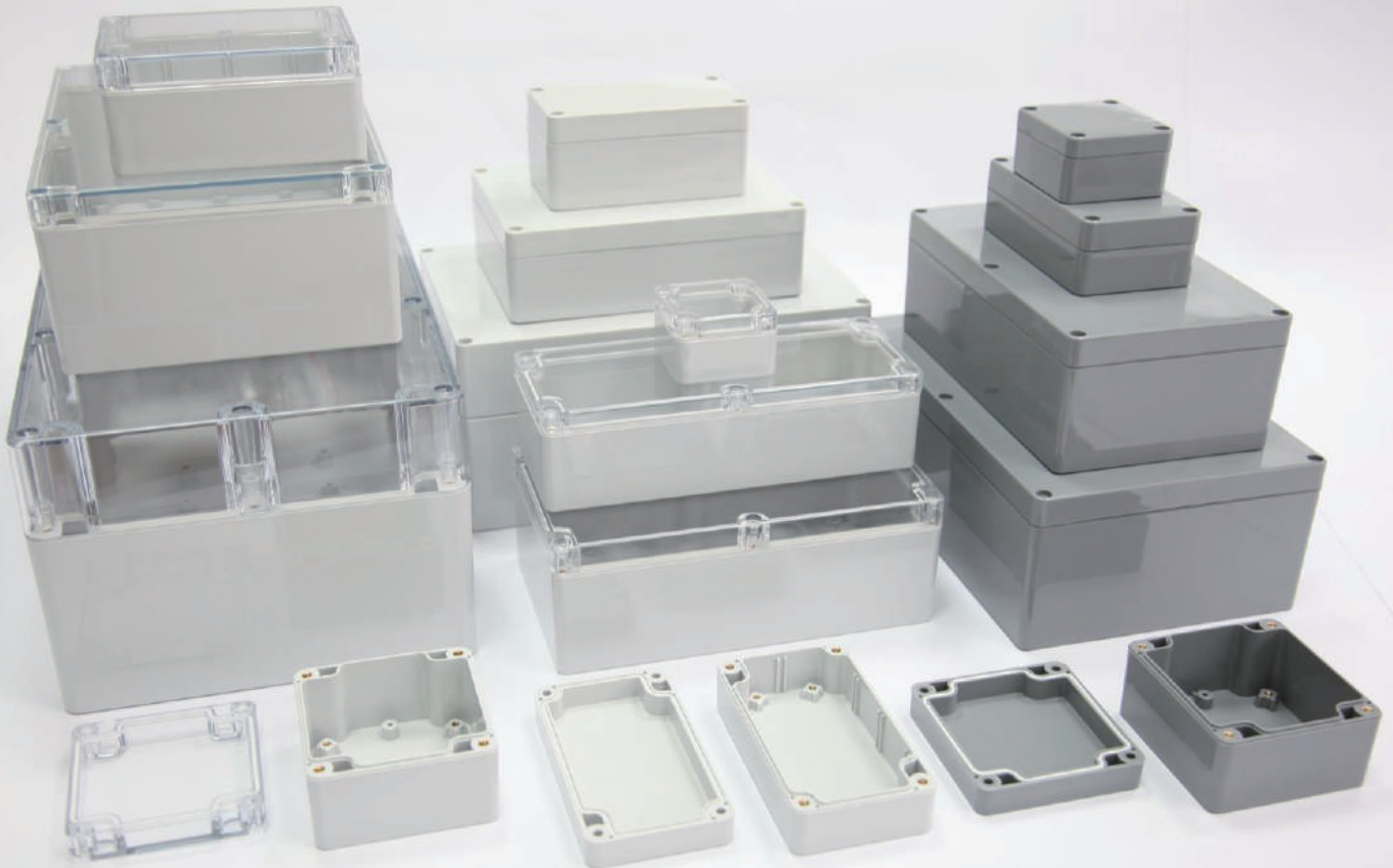


**G2393MF-IP67 / G2393CMF-IP67 / G3913MF-IP67**



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

## IP68 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 60°C

Content



P203-IP68



P203C-IP68



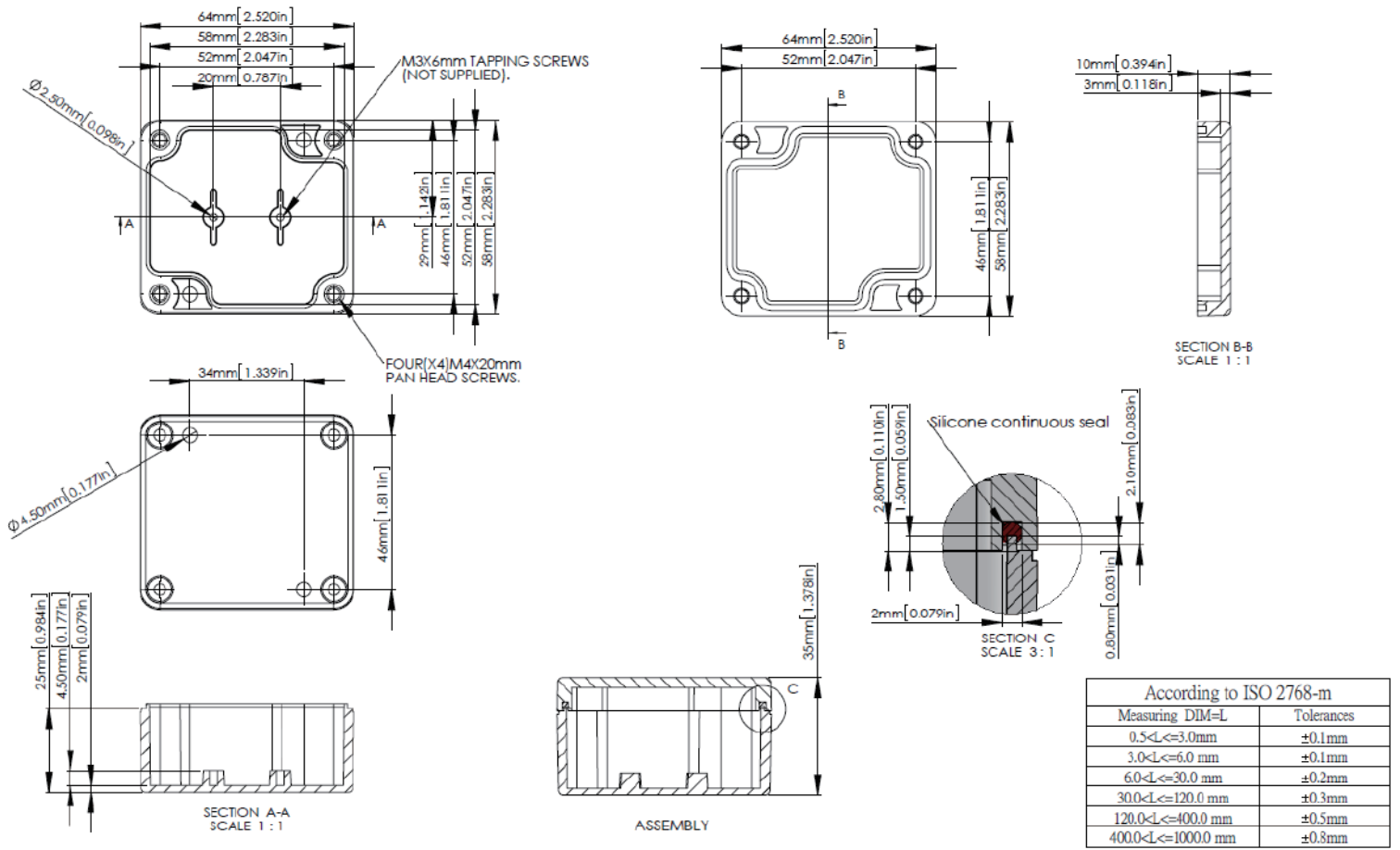
A304-IP68

**MATERIAL : POLYCARBONATE**

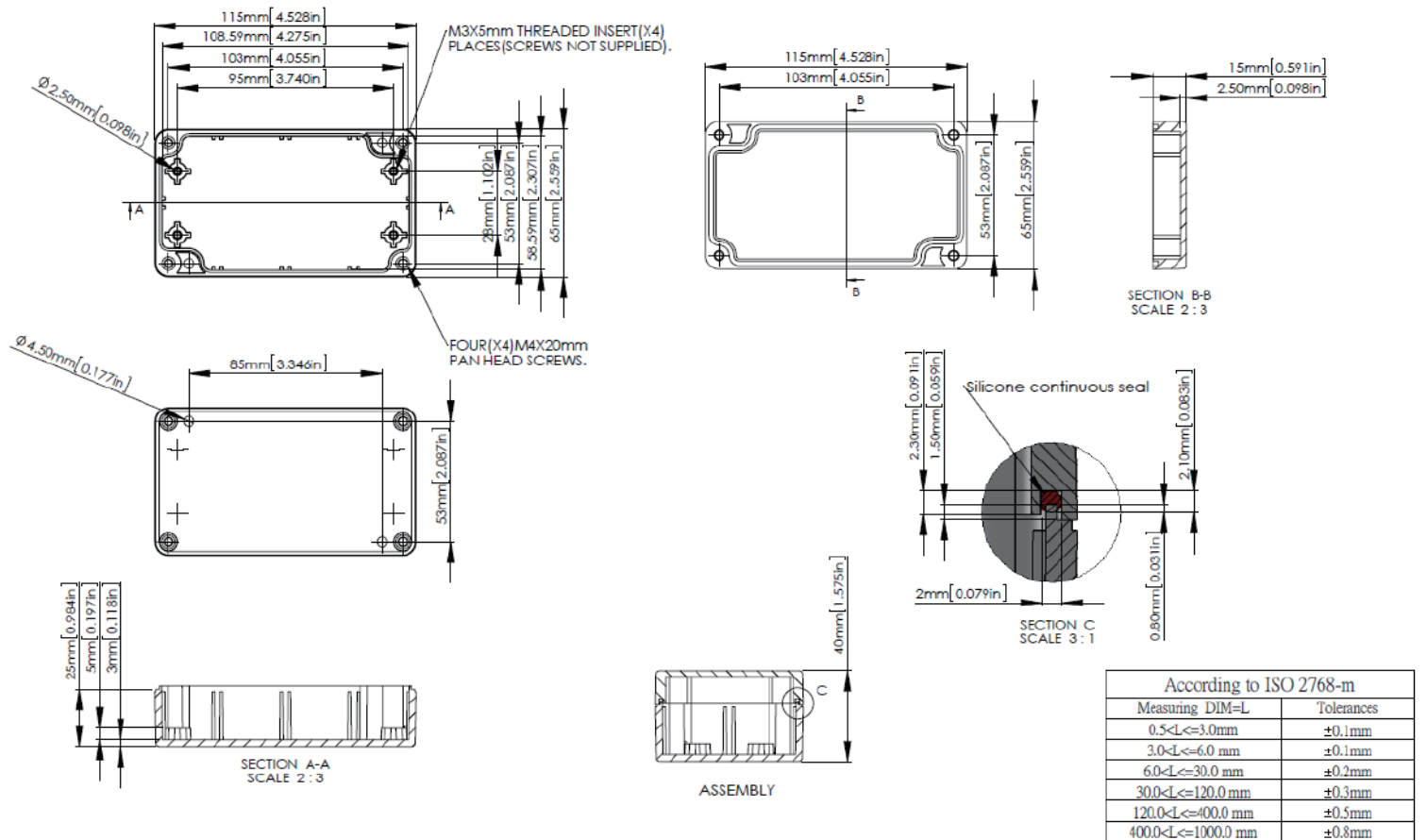
Light Grey Lid + Light Grey Base	Clear Lid + Light Grey Base	EXTERNAL DIMENSION (mm)	Clear Lid + Light Grey Base
ITEM NO.	ITEM NO.		ITEM NO.
P201-IP68	P201C-IP68	64 x 58 x 35	A302-IP68
P203-IP68	P203C-IP68	115 x 65 x 40	A304-IP68
P205-IP68	P205C-IP68	115 x 65 x 55	A308-IP68
P212-IP68	P212C-IP68	115 x 90 x 55	A311-IP68
P214-IP68	P214C-IP68	171 x 121 x 55	A313-IP68
P218-IP68	P218C-IP68	222 x 146 x 55	A317-IP68
P221-IP68	P221C-IP68	115 x 90 x 80	A331-IP68
P223-IP68	P223C-IP68	171 x 121 x 80	A340-IP68
P229-IP68	P229C-IP68	195 x 80 x 55	A346-IP68
P232-IP68	P232C-IP68	222 x 146 x 75	A353-IP68
P250-IP68	P250C-IP68	52 x 50 x 35	A362-IP68
P256-IP68	P256C-IP68	82 x 80 x 55	A366-IP68
P258-IP68	P258C-IP68	160 x 80 x 55	A368-IP68
P265-IP68	P265C-IP68	160 x 80 x 85	A369-IP68
P278-IP68	P278C-IP68	120 x 120 x 60	A386-IP68
P279-IP68	P279C-IP68	120 x 120 x 90	A387-IP68
P287-IP68	P287C-IP68	160 x 160 x 60	A396-IP68
P288-IP68	P288C-IP68	160 x 160 x 90	A399-IP68
P2691-IP68	P2691C-IP68	200 x 120 x 75	A3735-IP68
P2385-IP68	P2385C-IP68	265 x 185 x 95	A3783-IP68
P2018-IP68	P2018C-IP68	240 x 160 x 90	A3008-IP68
P2025-IP68	P2025C-IP68	240 x 160 x 120	A3019-IP68
P20295-IP68	P20295C-IP68	300 x 230 x 86	A30285-IP68
P20385-IP68	P20385C-IP68	300 x 230 x 111	A30312-IP68
P20583-IP68	P20583C-IP68	360 x 200 x 150	A30393-IP68
<b>NEW</b> P20793-IP68	P20793C-IP68	360 x 250 x 110	A30693-IP68
<b>NEW</b> P20883-IP68	P20883C-IP68	360 x 250 x 150	A30993-IP68
<b>NEW</b> P2393-IP68	P2393C-IP68	265 x 185 x 120	A3913-IP68

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

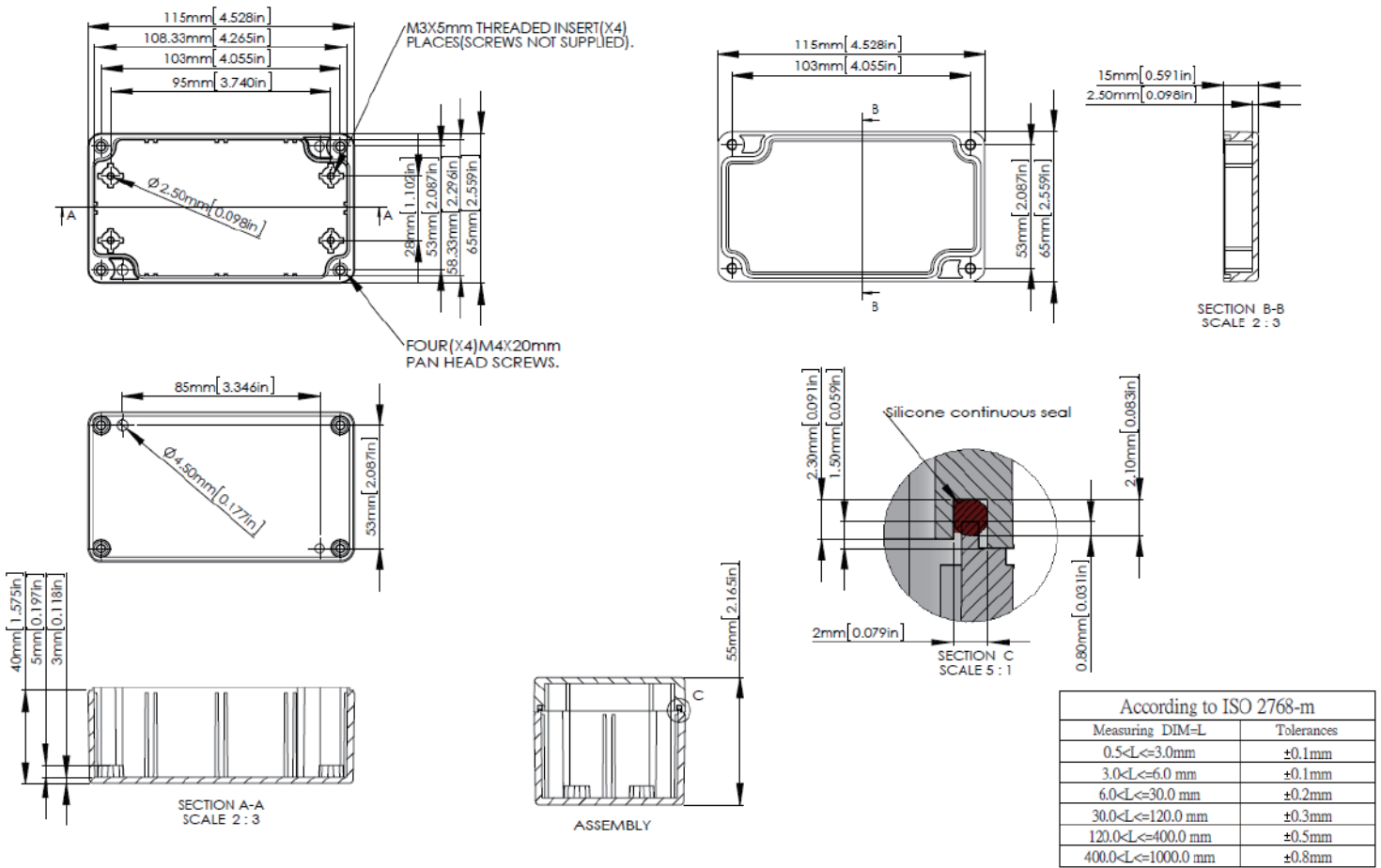
**P201-IP68 / P201C-IP68 / A302-IP68**



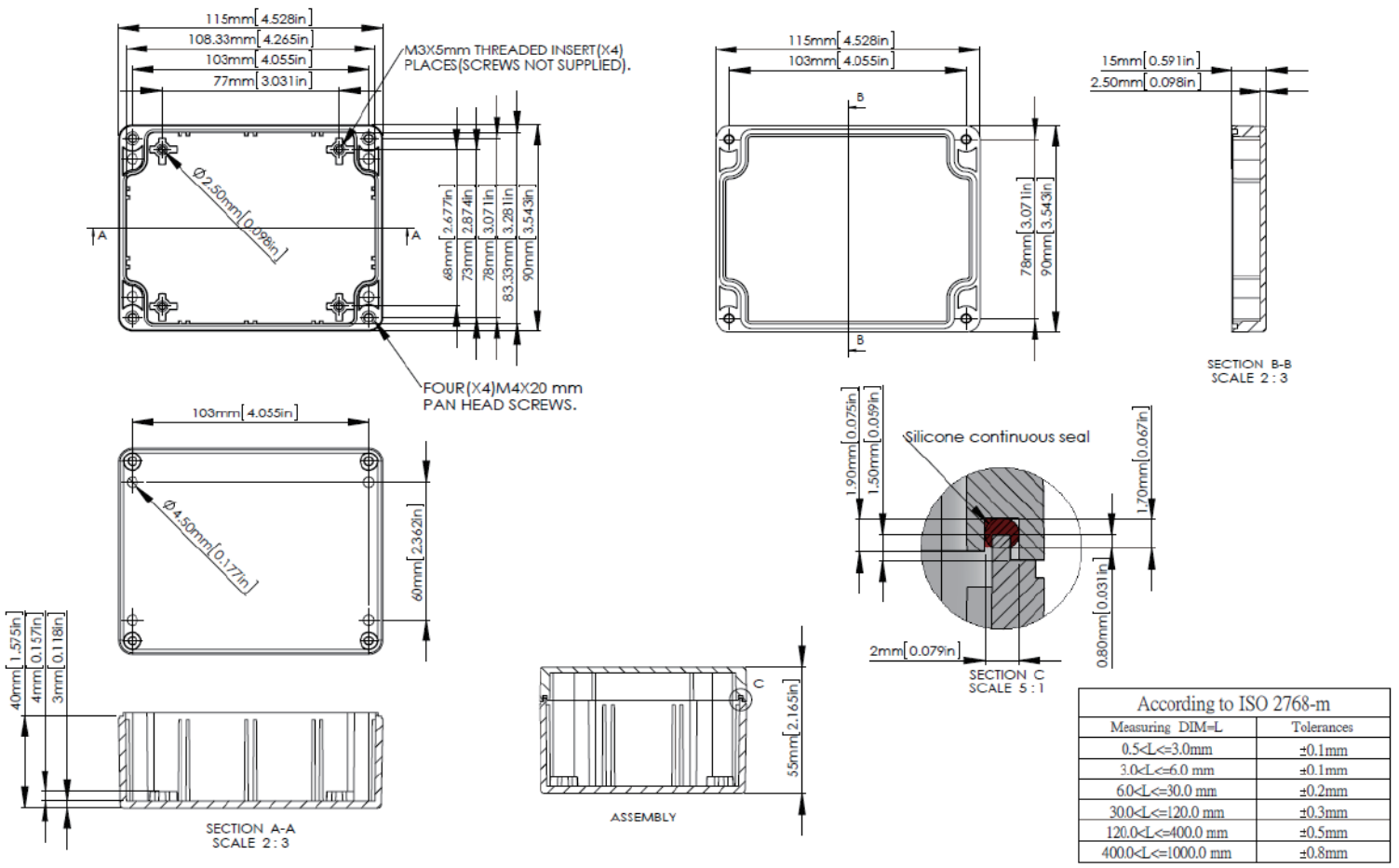
**P203-IP68 / P203C-IP68 / A304-IP68**



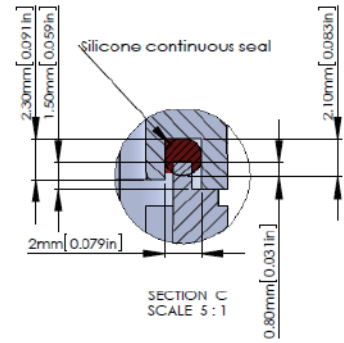
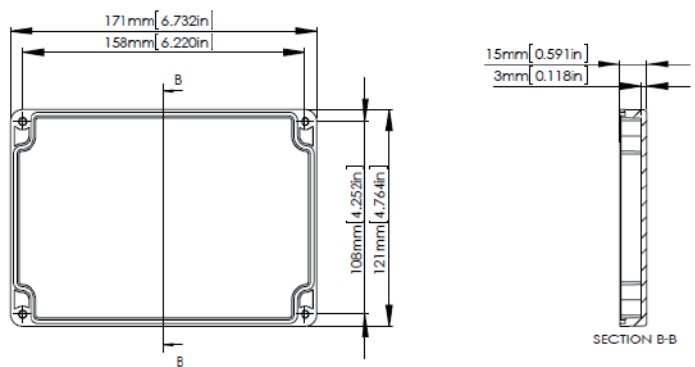
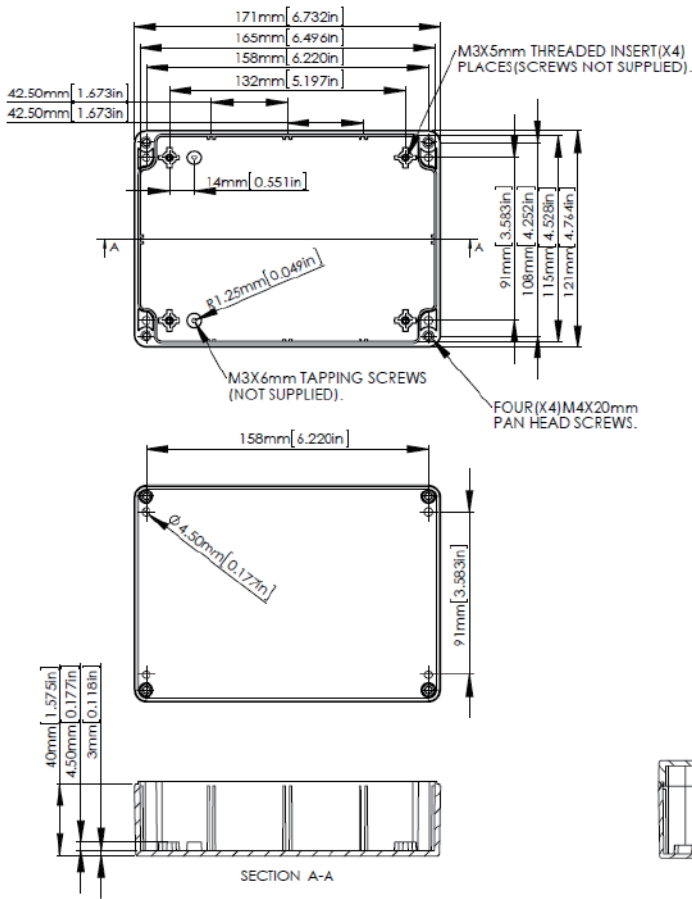
**P205-IP68 / P205C-IP68 / A308-IP68**



**P212-IP68 / P212C-IP68 / A311-IP68**

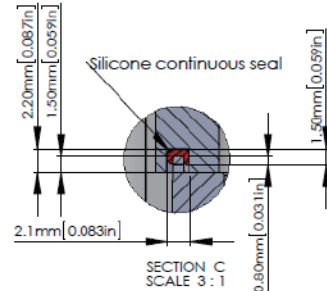
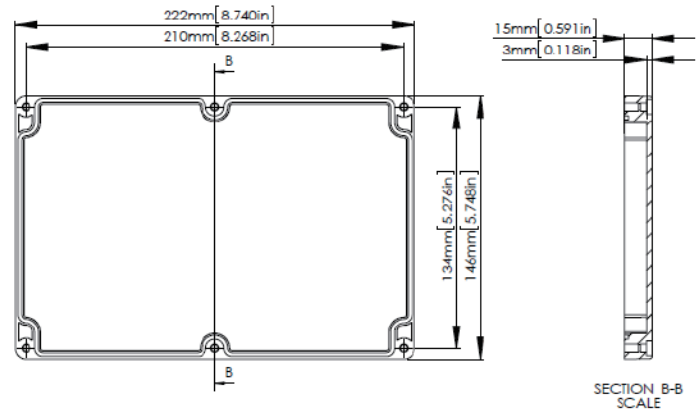
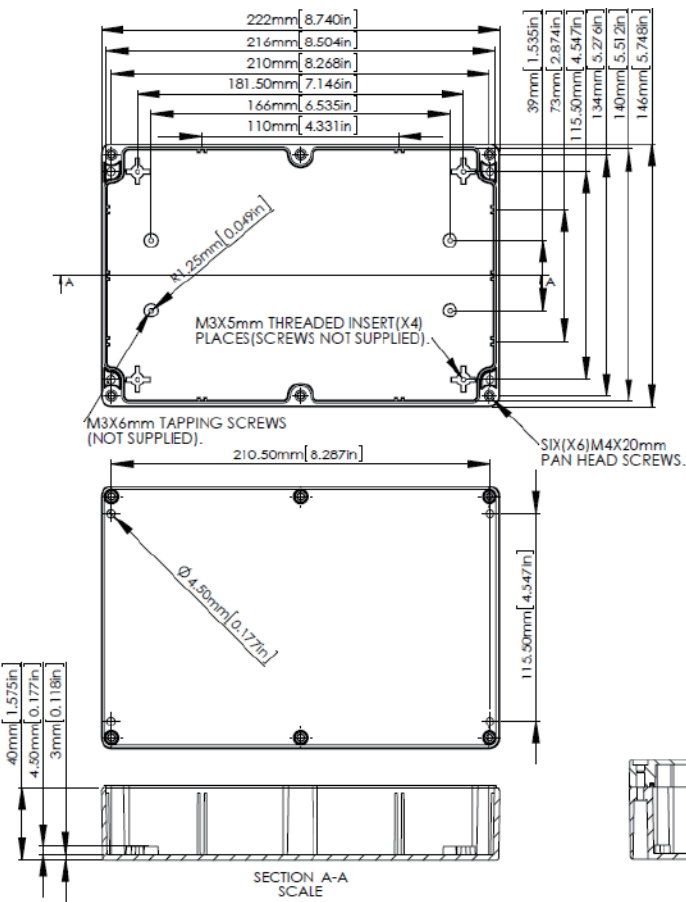


**P214-IP68 / P214C-IP68 / A313-IP68**



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

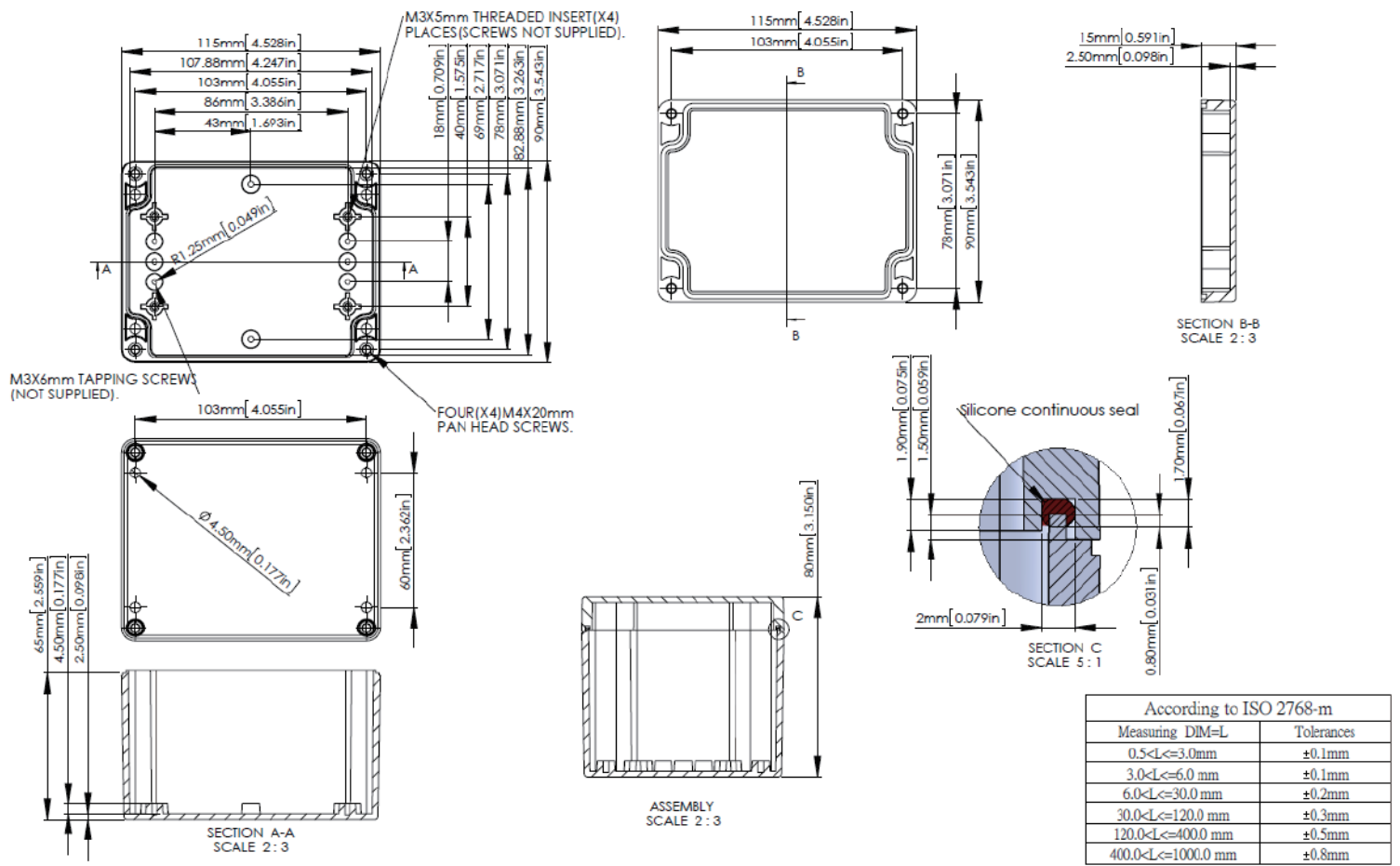
**P218-IP68 / P218C-IP68 / A317-IP68**



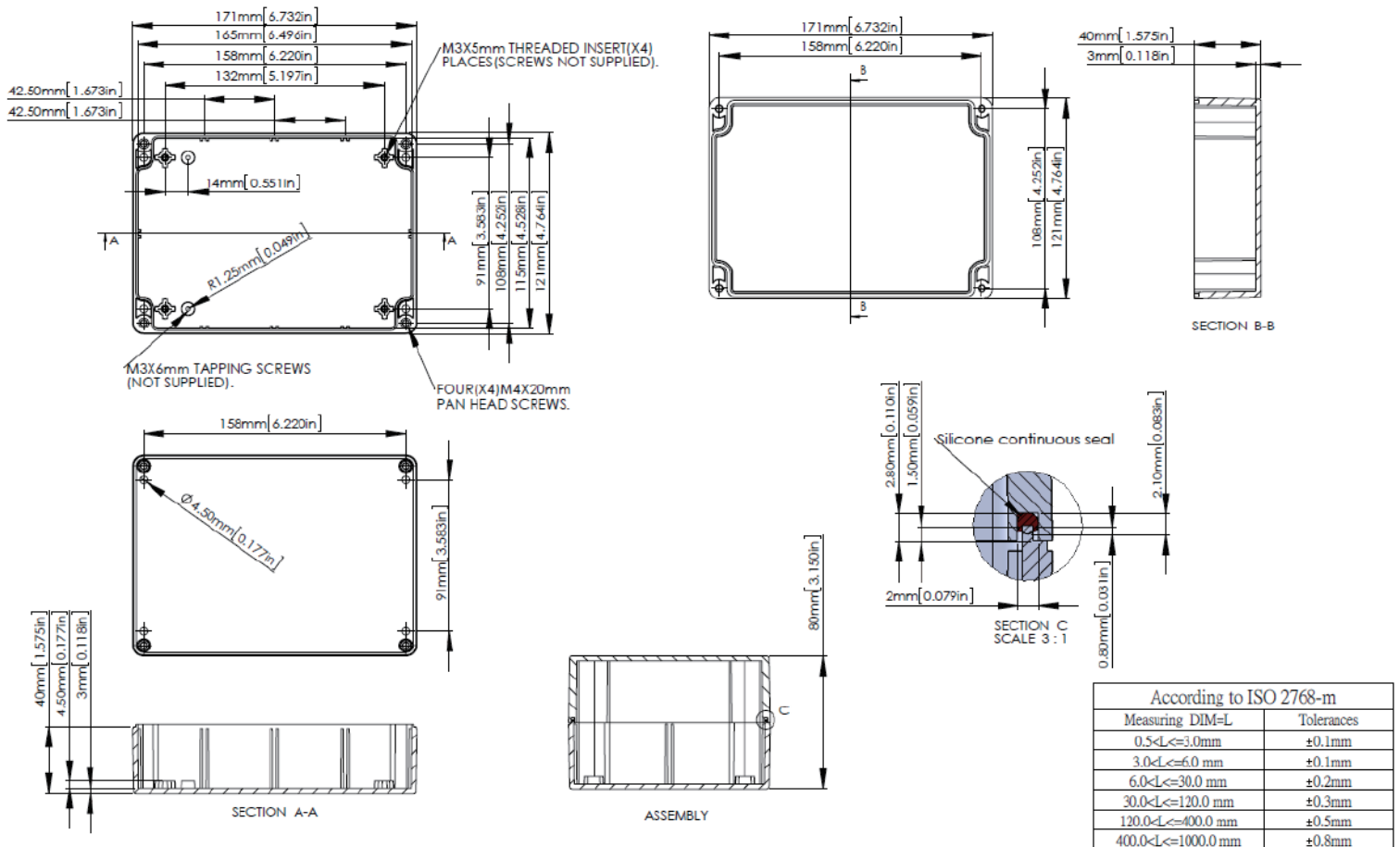
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm



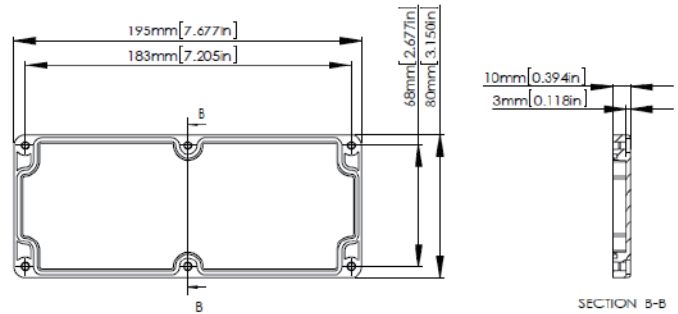
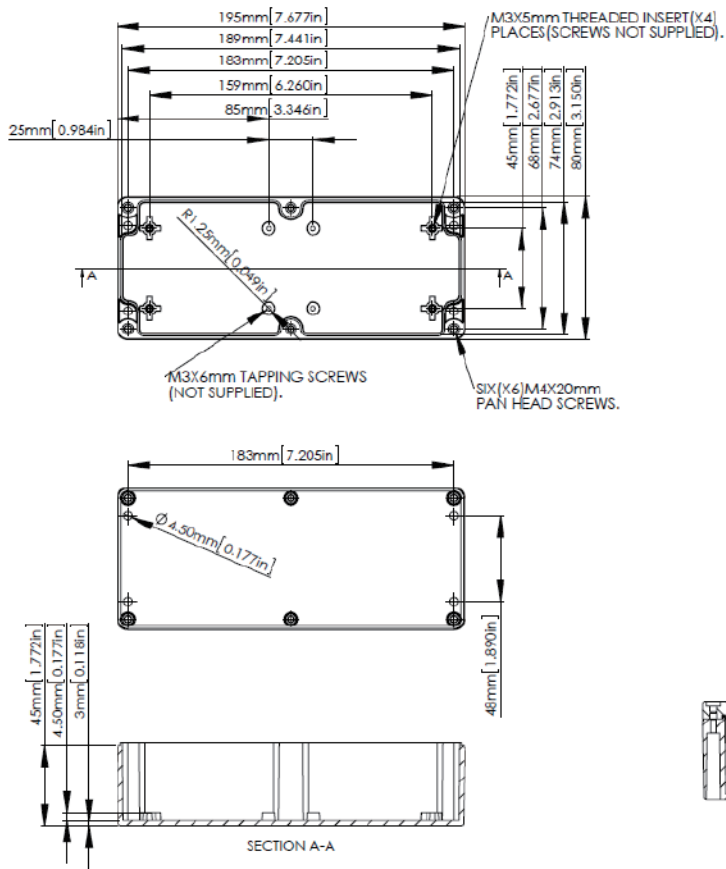
**P221-IP68 / P221C-IP68 / A331-IP68**



**P223-IP68 / P223C-IP68 / A340-IP68**

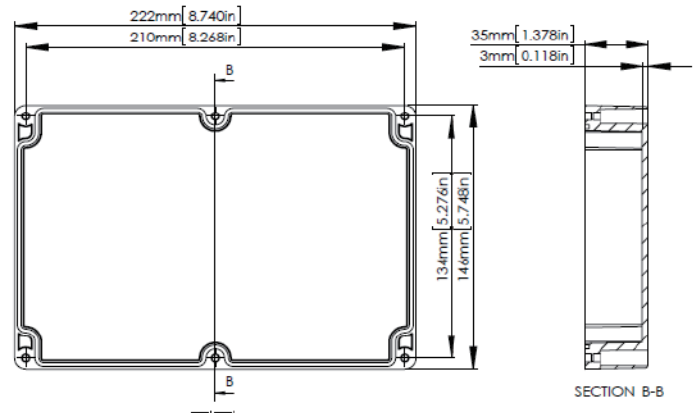
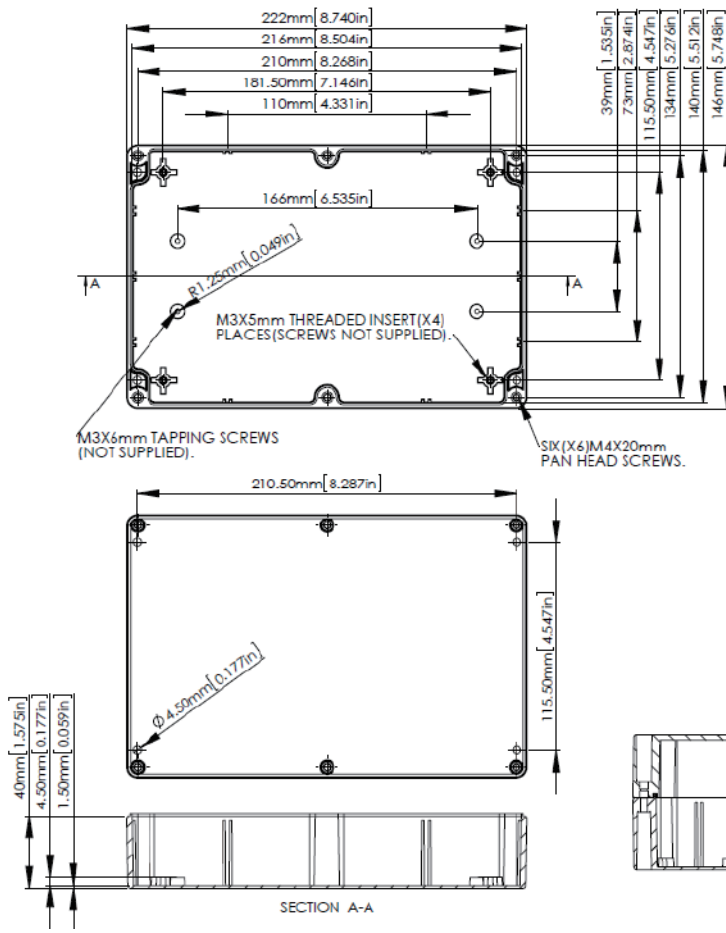


**P229-IP68 / P229C-IP68 / A346-IP68**



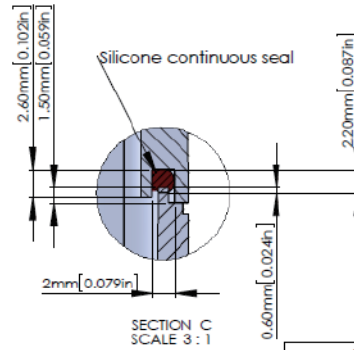
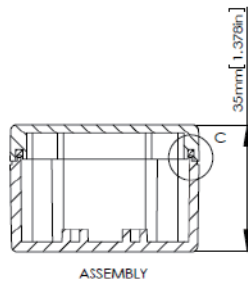
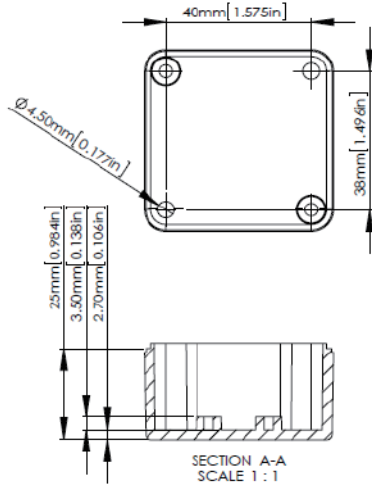
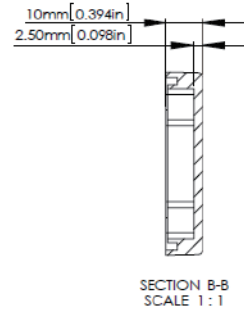
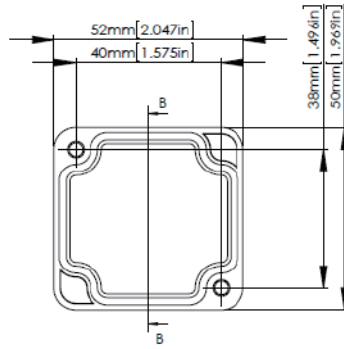
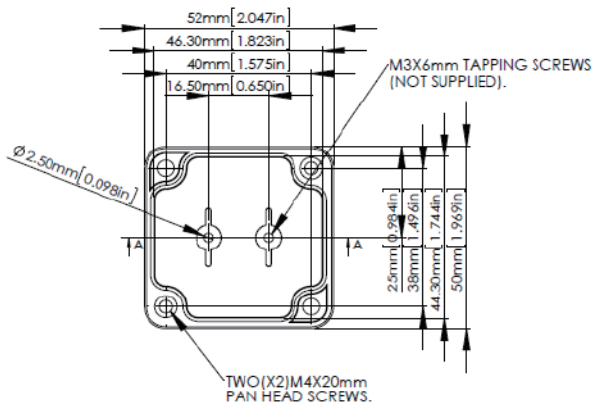
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**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<=6.0 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

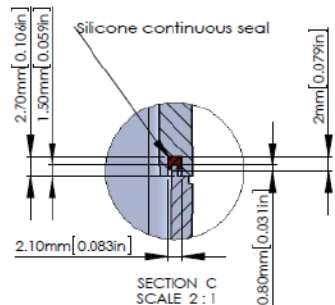
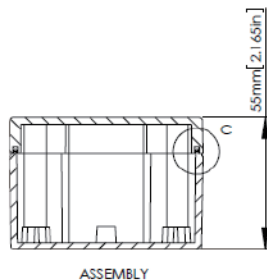
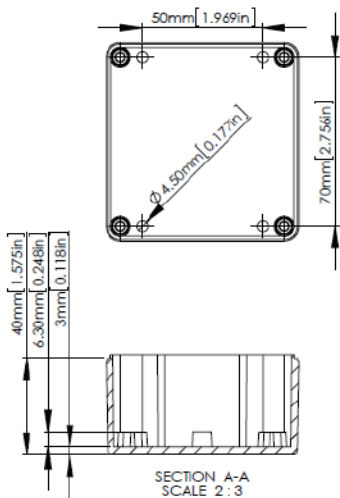
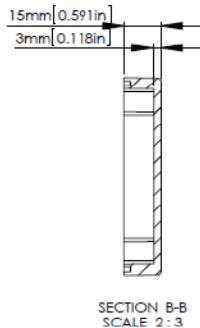
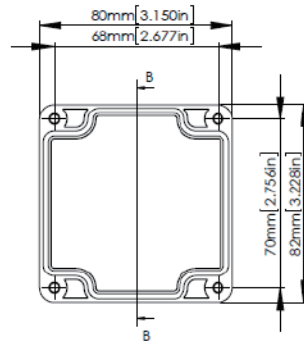
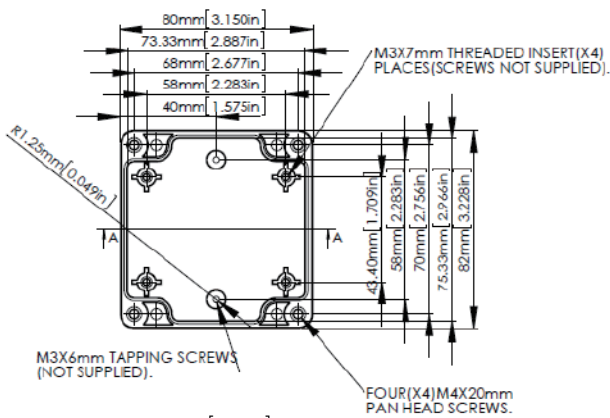
**P250-IP68 / P250C-IP68 / A362-IP68**



According to ISO 2768-m

Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 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

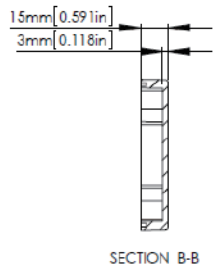
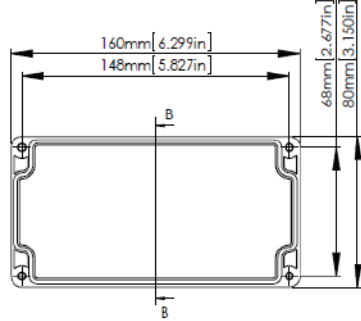
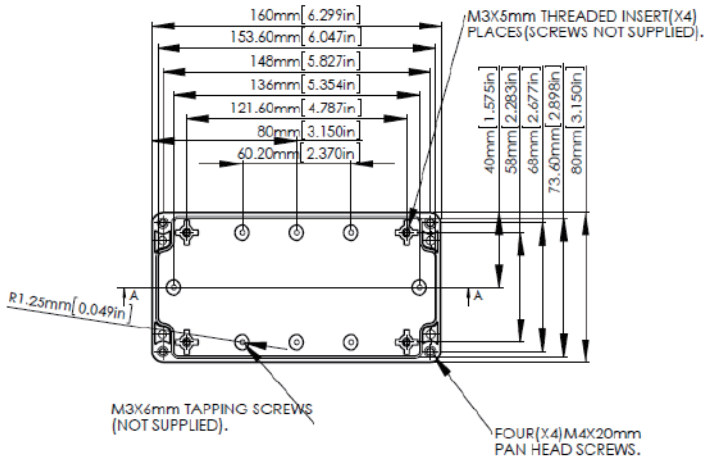
**P256-IP68 / P256C-IP68 / A366-IP68**



According to ISO 2768-m

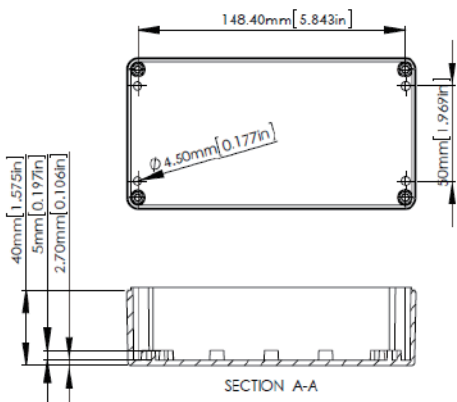
Measuring DIM=L	Tolerances
0.5<L≤3.0mm	±0.1mm
3.0<L≤6.0 mm	±0.1mm
6.0<L≤30.0 mm	±0.2mm
30.0<L≤120.0 mm	±0.3mm
120.0<L≤400.0 mm	±0.5mm
400.0<L≤1000.0 mm	±0.8mm

**P258-IP68 / P258C-IP68 / A368-IP68**

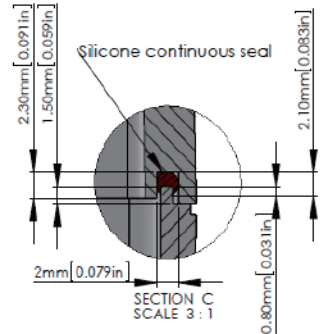


SECTION B-B

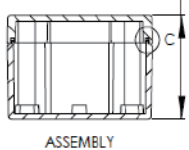
M3X6mm TAPPING SCREWS (NOT SUPPLIED).  
FOUR (X4) M4X20mm PAN HEAD SCREWS.



SECTION A-A



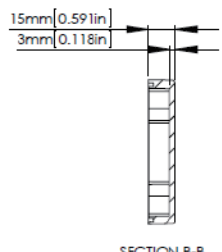
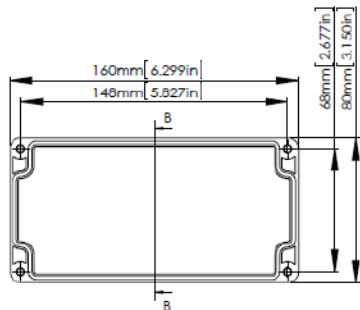
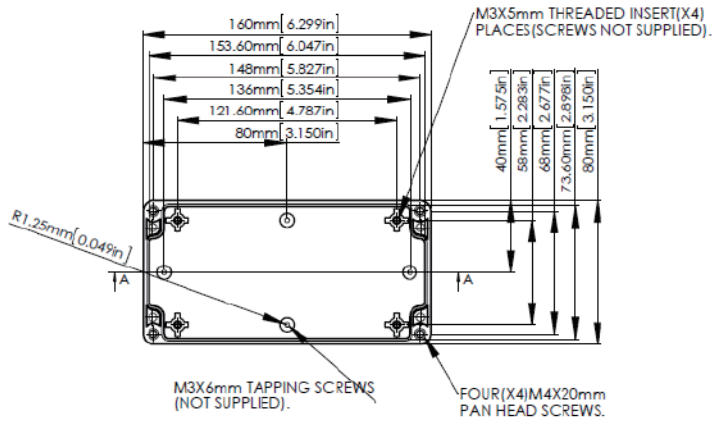
SECTION C SCALE 3 : 1



ASSEMBLY

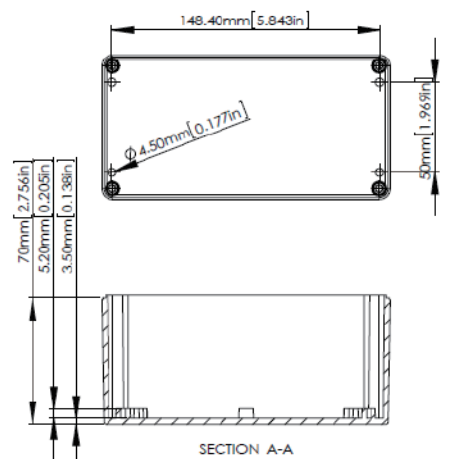
According to ISO 2768-m	
Measuring DIM=L	Tolerances
0.5<L<=3.0mm	±0.1mm
3.0<L<=6.0 mm	±0.1mm
6.0<L<=30.0 mm	±0.2mm
30.0<L<=120.0 mm	±0.3mm
120.0<L<=400.0 mm	±0.5mm
400.0<L<=1000.0 mm	±0.8mm

**P265-IP68 / P265C-IP68 / A369-IP68**

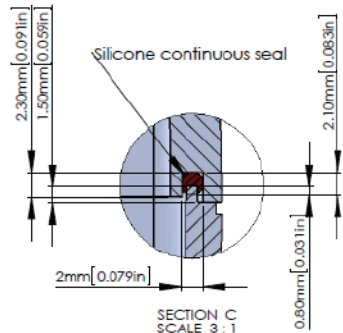


SECTION B-B

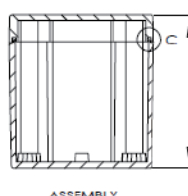
M3X6mm TAPPING SCREWS (NOT SUPPLIED).  
FOUR (X4) M4X20mm PAN HEAD SCREWS.



SECTION A-A



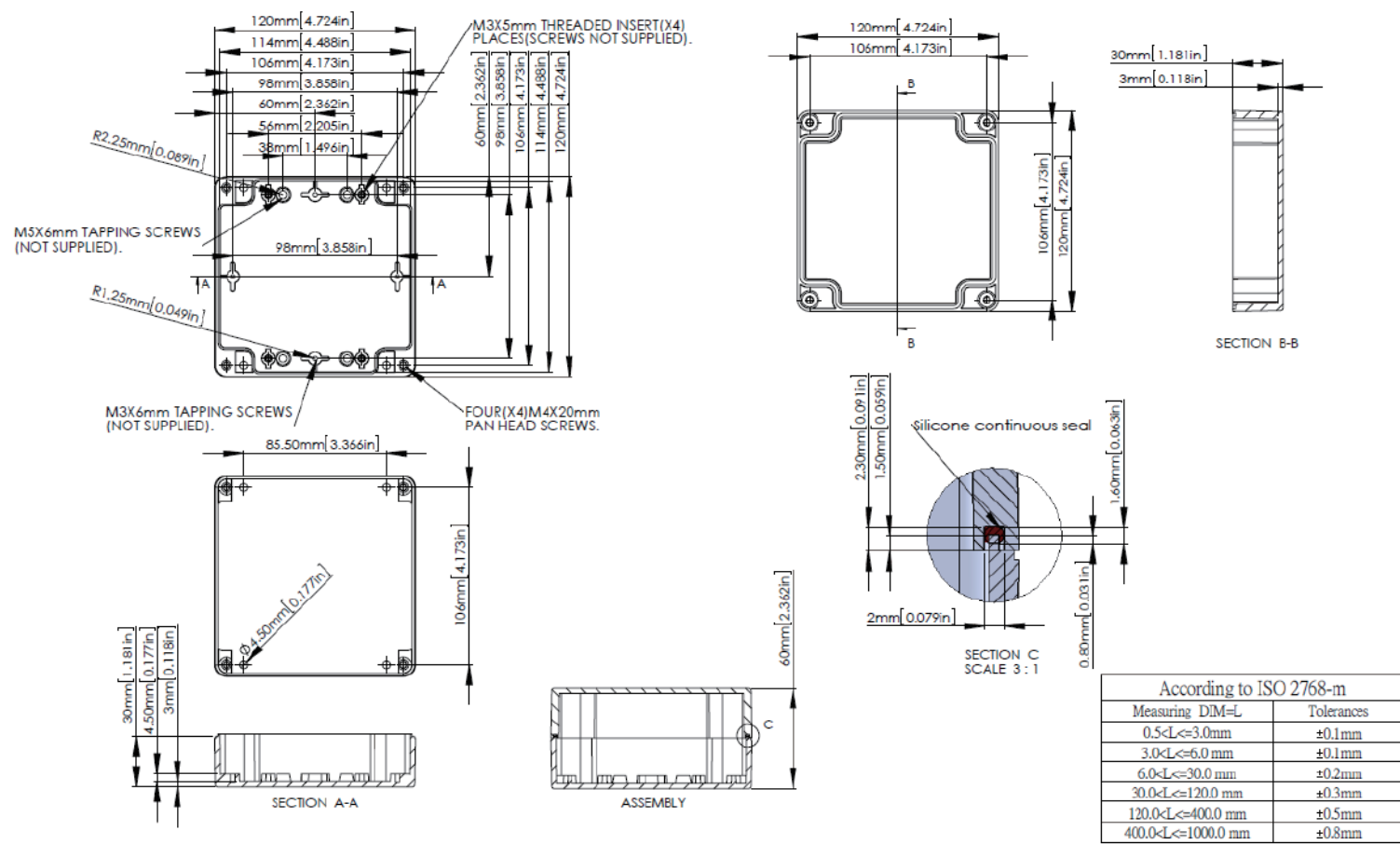
SECTION C SCALE 3 : 1



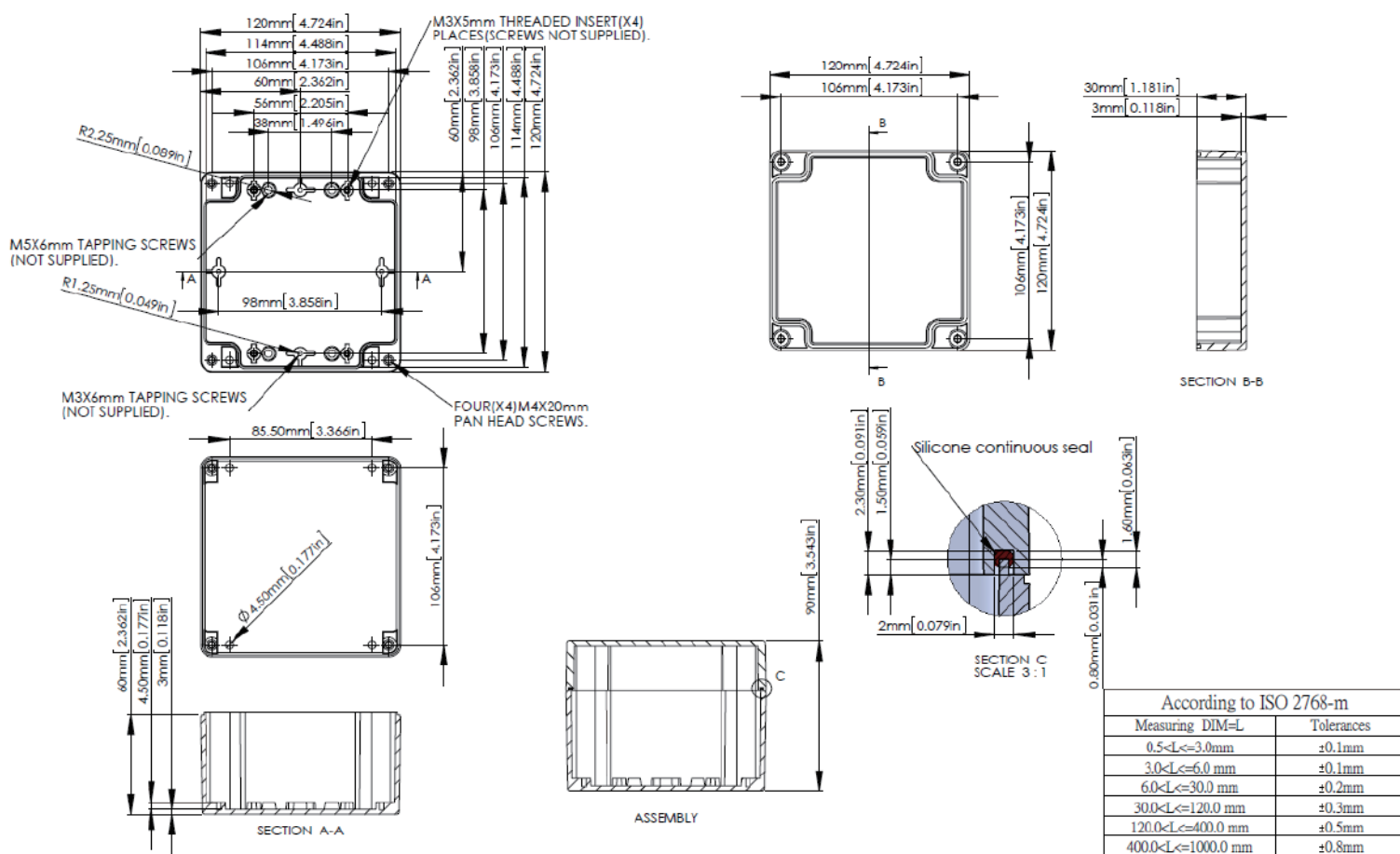
ASSEMBLY

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

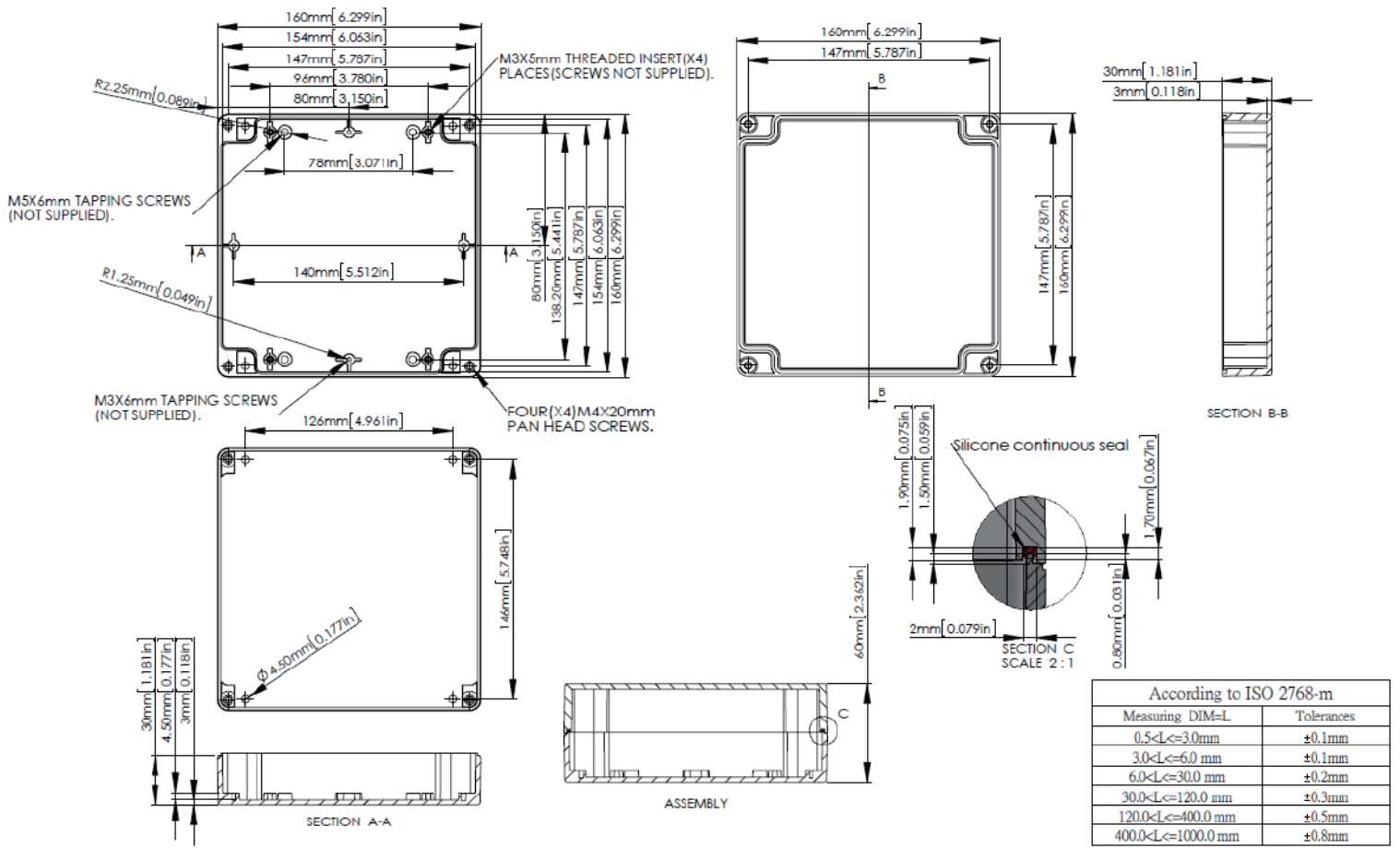
**P278-IP68 / P278C-IP68 / A386-IP68**



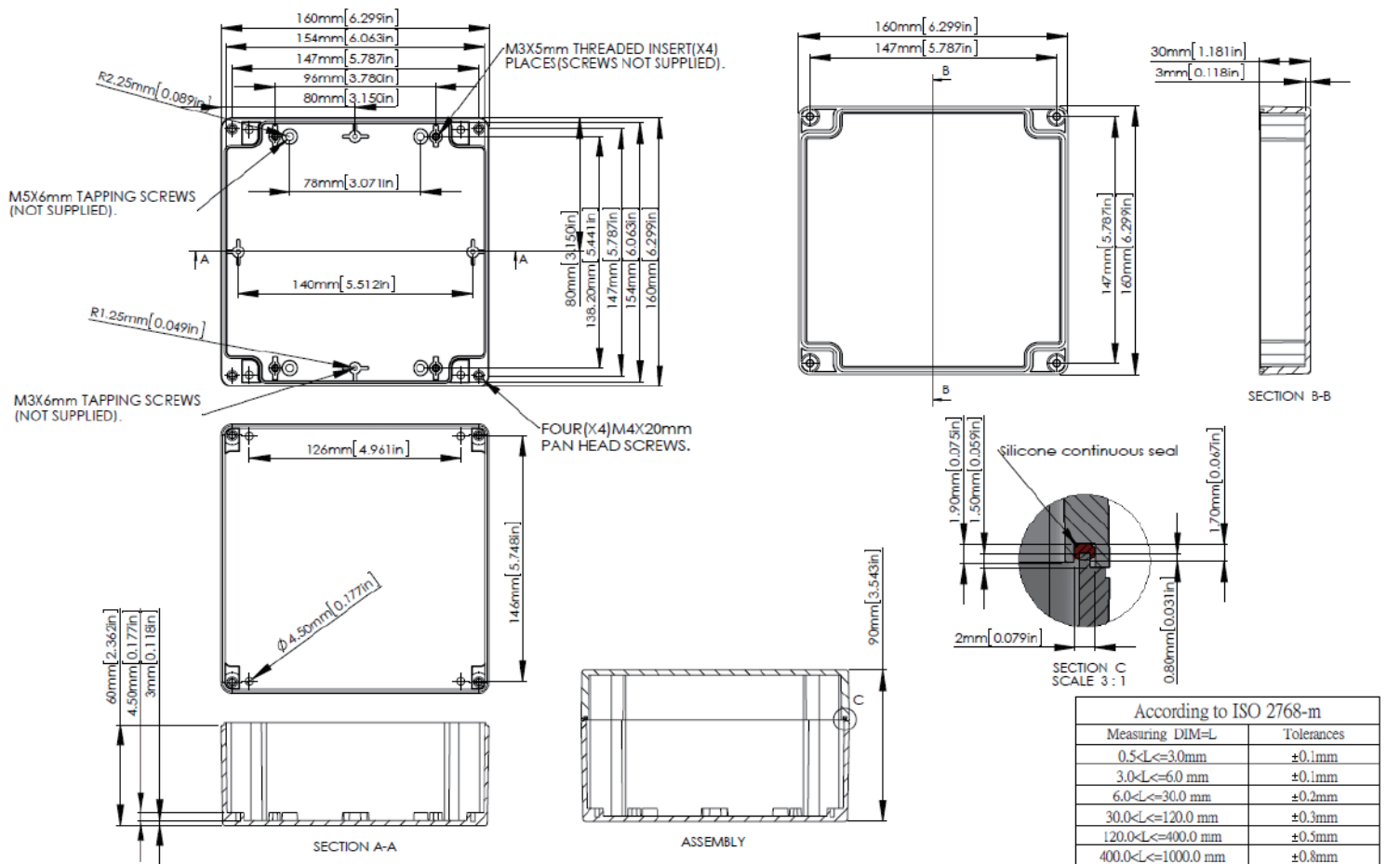
**P279-IP68 / P279C-IP68 / A387-IP68**



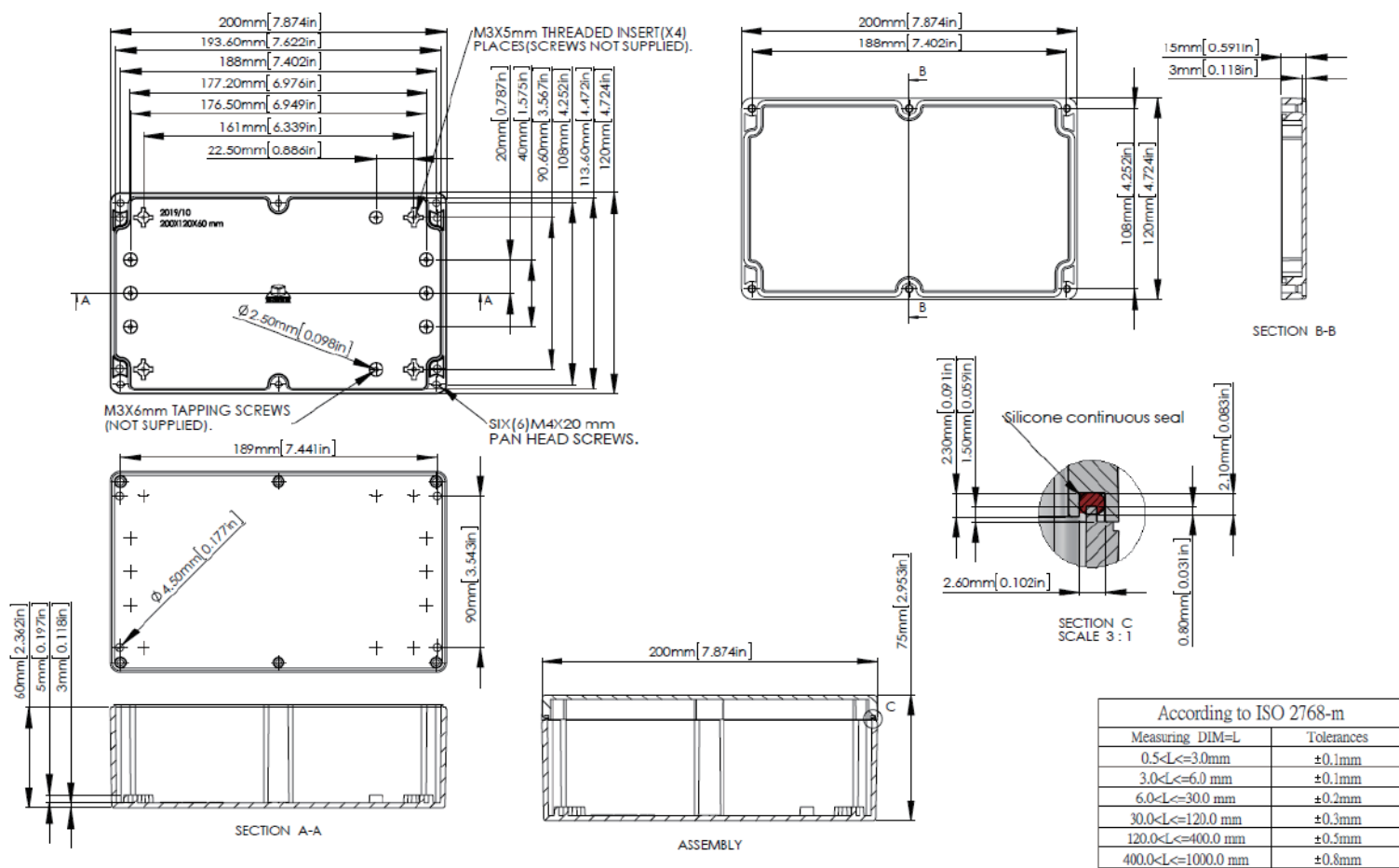
**P287-IP68 / P287C-IP68 / A396-IP68**



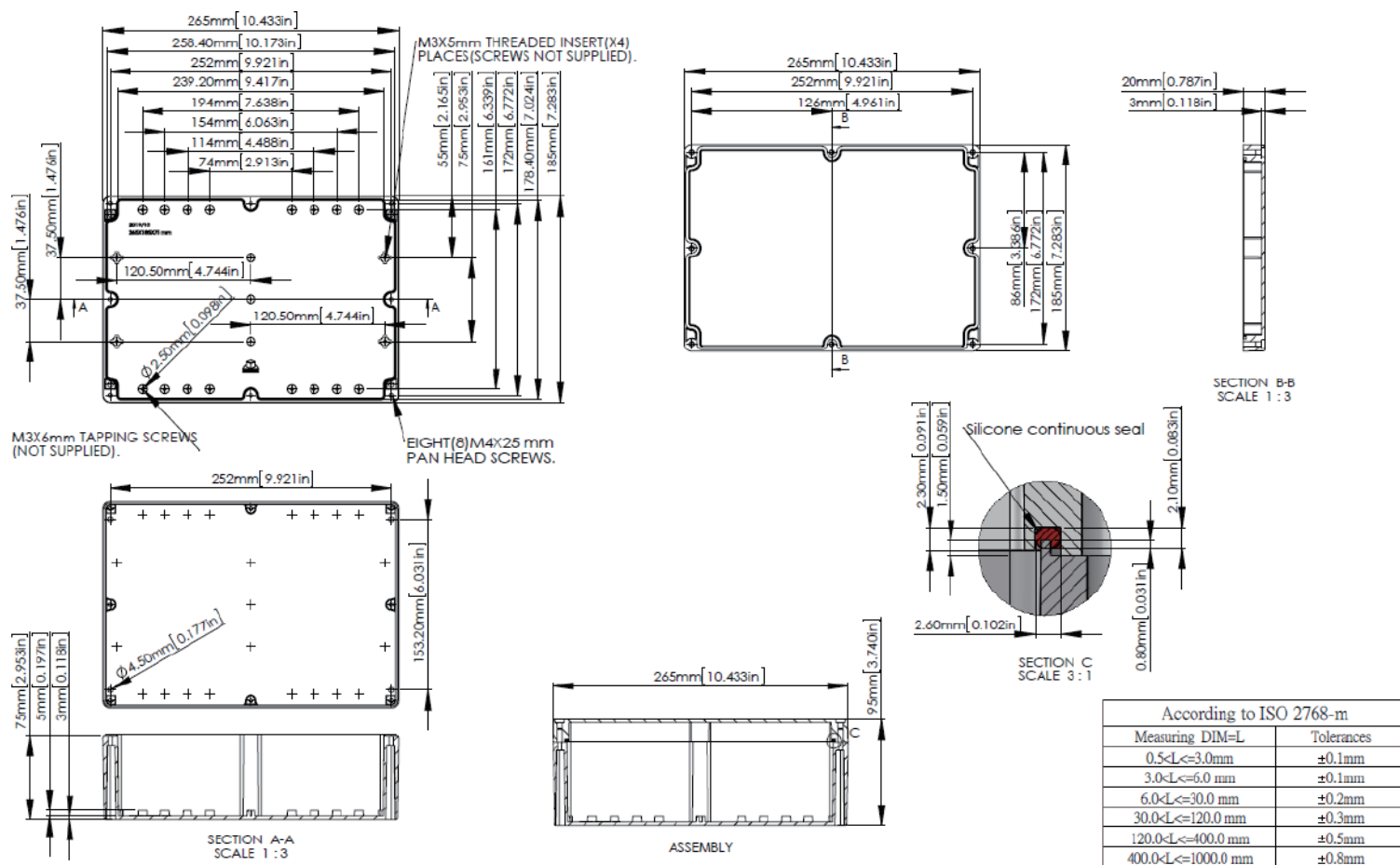
**P288-IP68 / P288C-IP68 / A399-IP68**



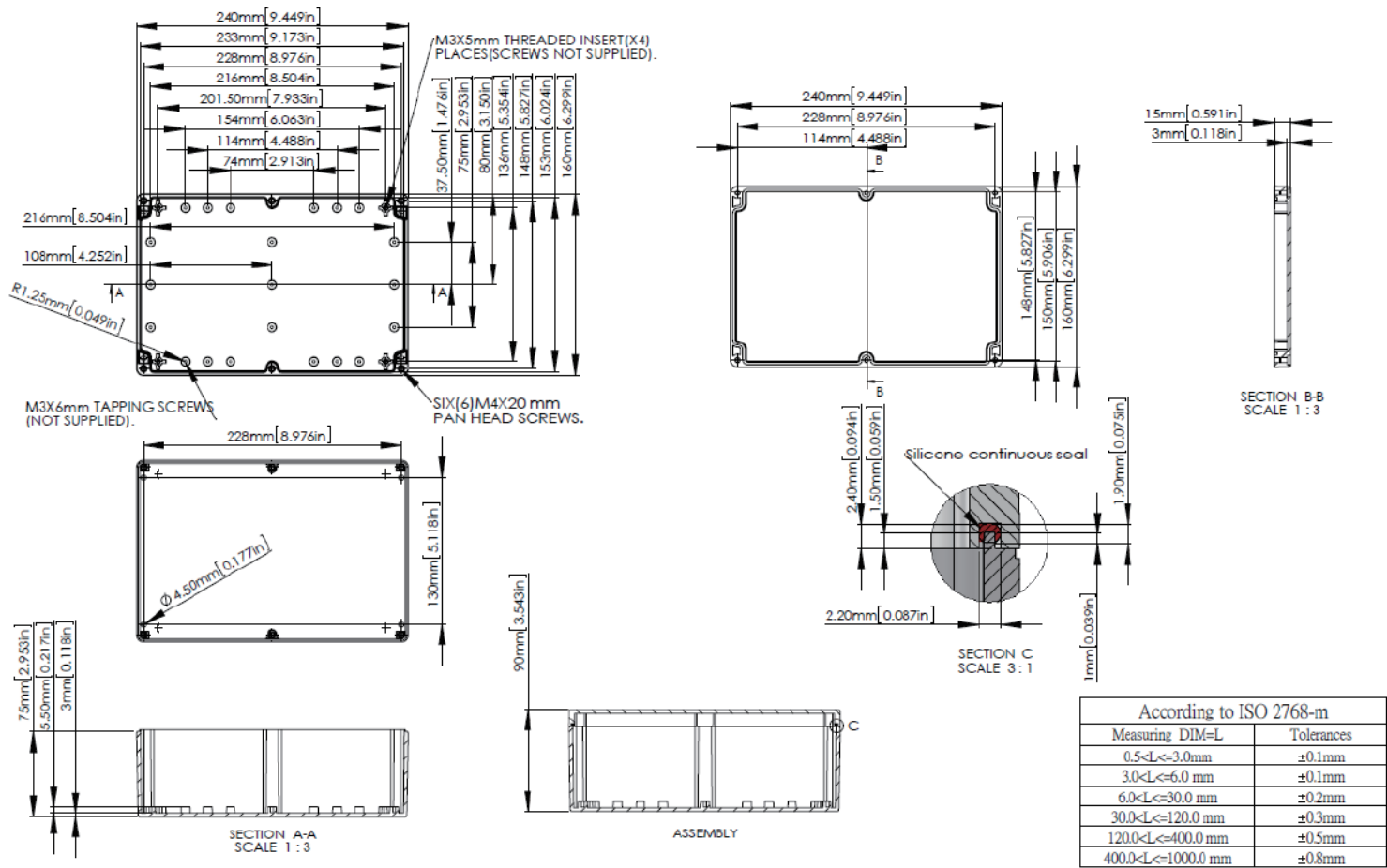
**P2691-IP68 / P2691C-IP68 / A3735-IP68**



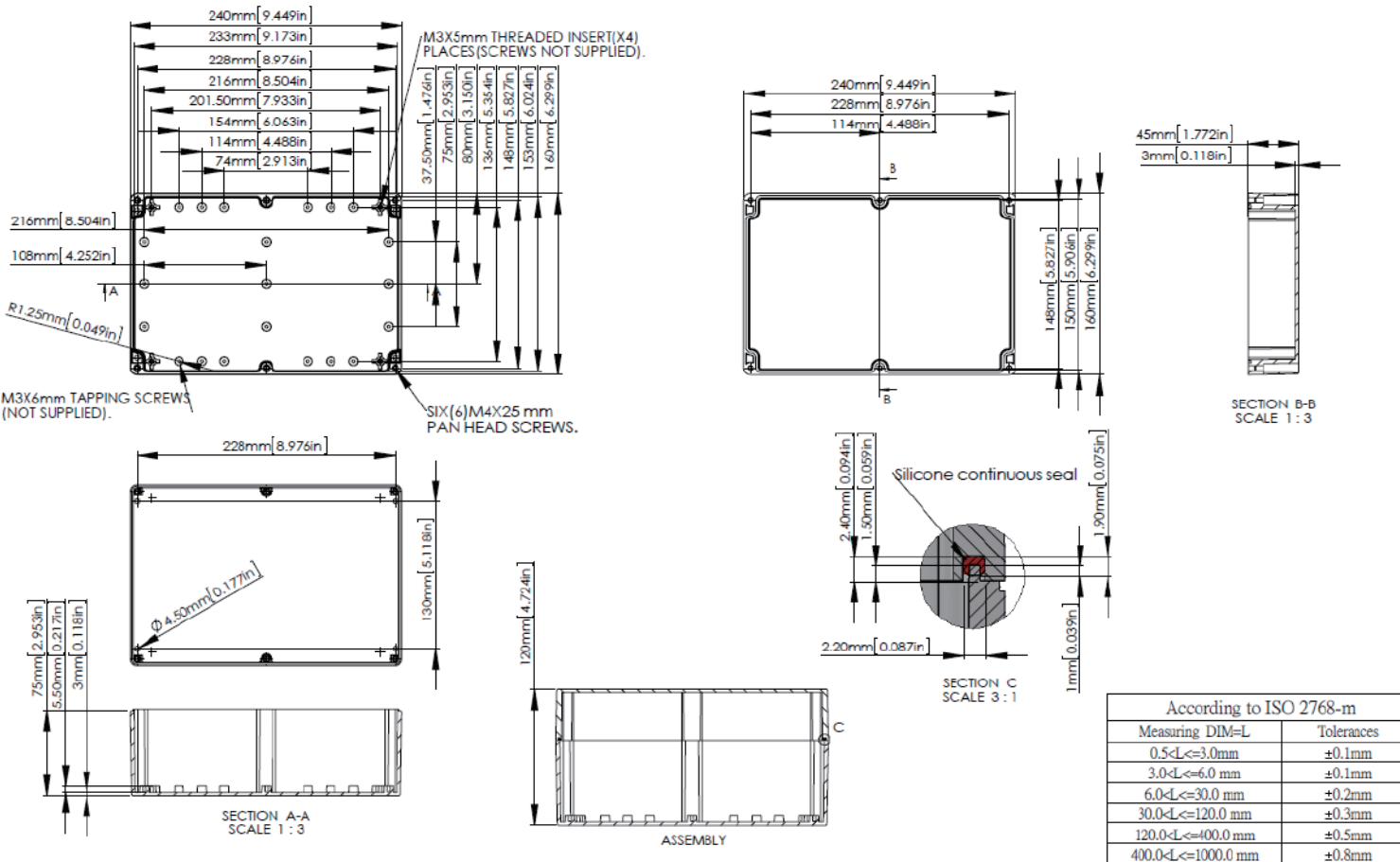
**P2385-IP68 / P2385C-IP68 / A3783-IP68**



**P2018-IP68 / P2018C-IP68 / A3008-IP68**

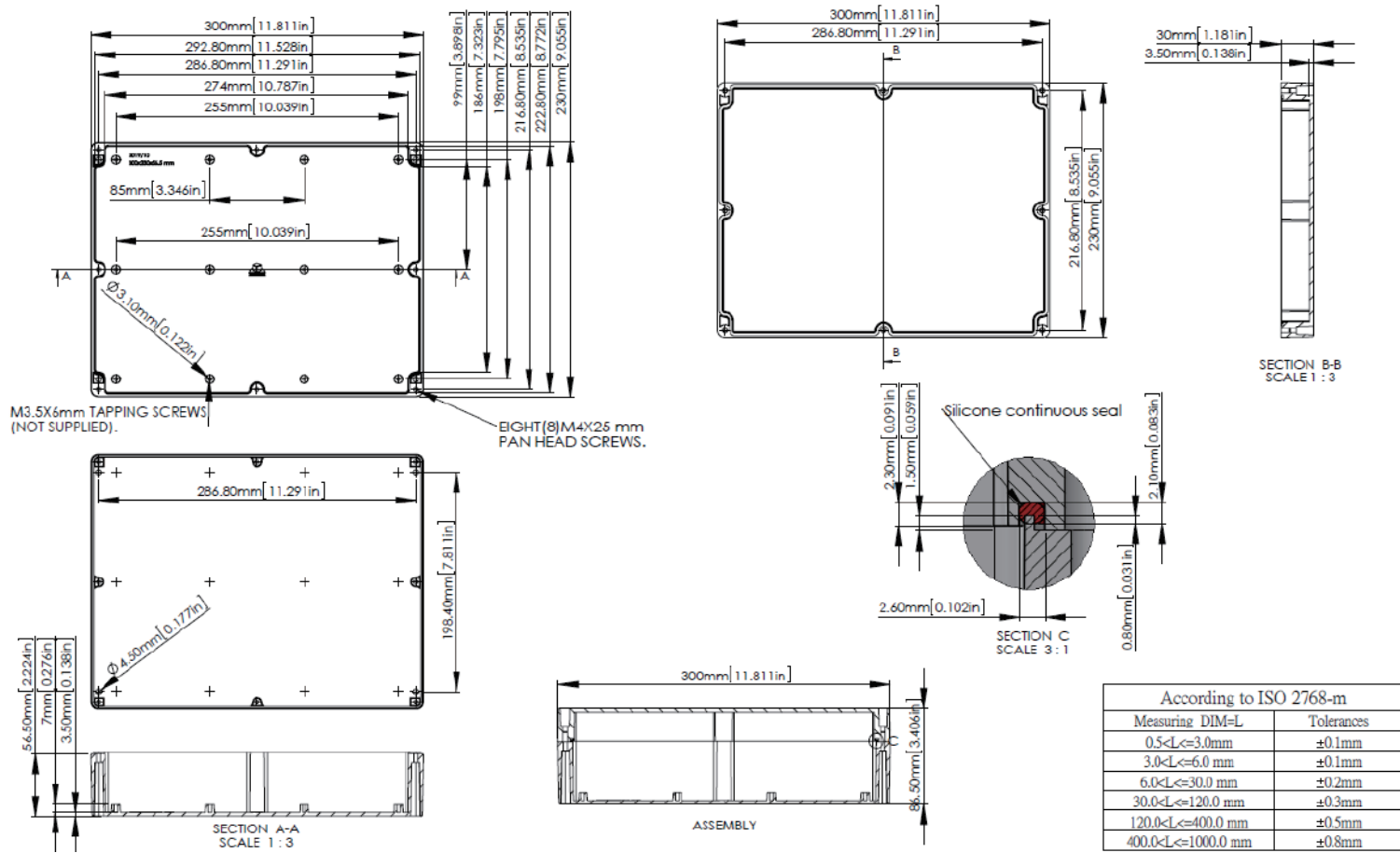


**P2025-IP68 / P2025C-IP68 / A3019-IP68**

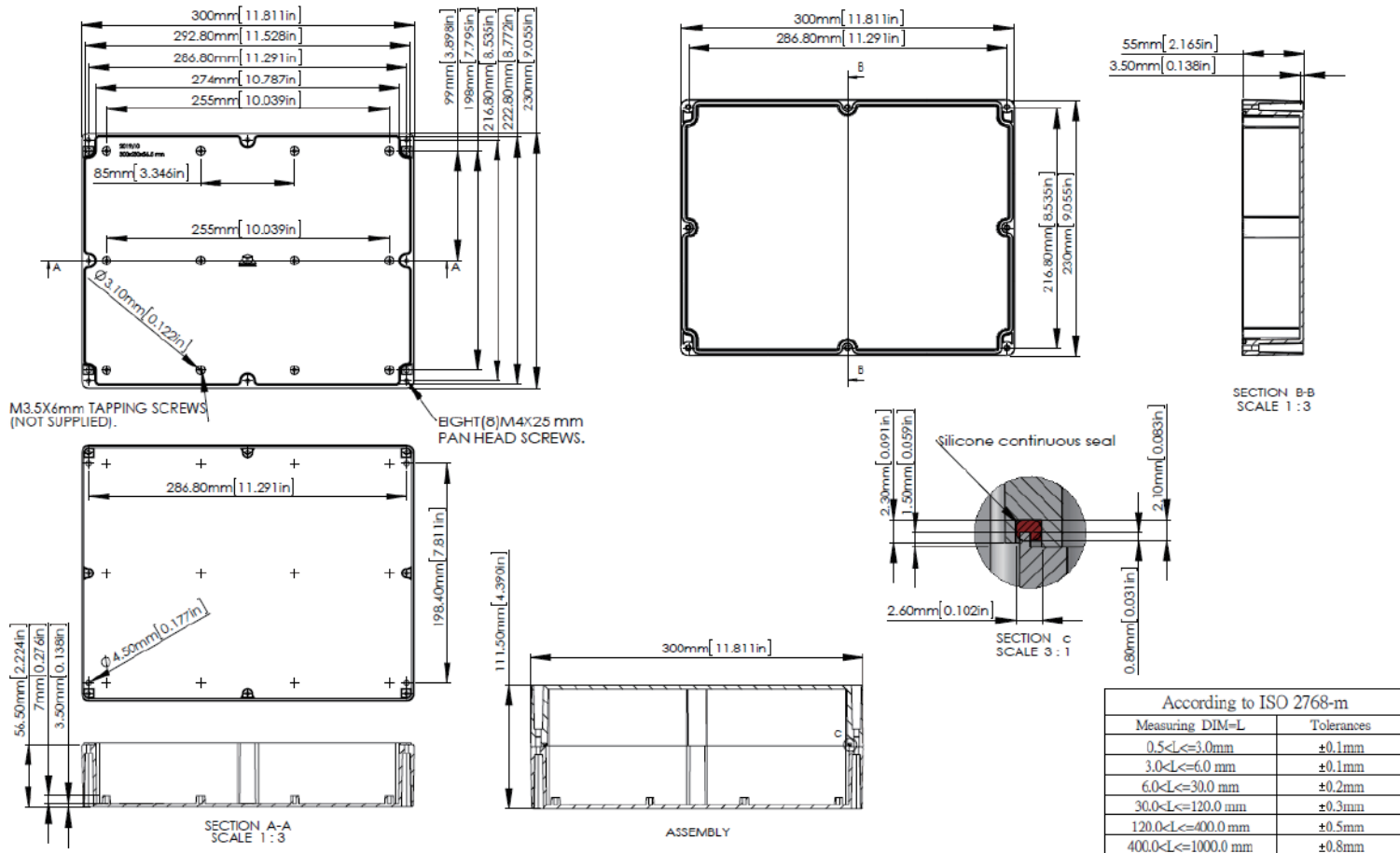




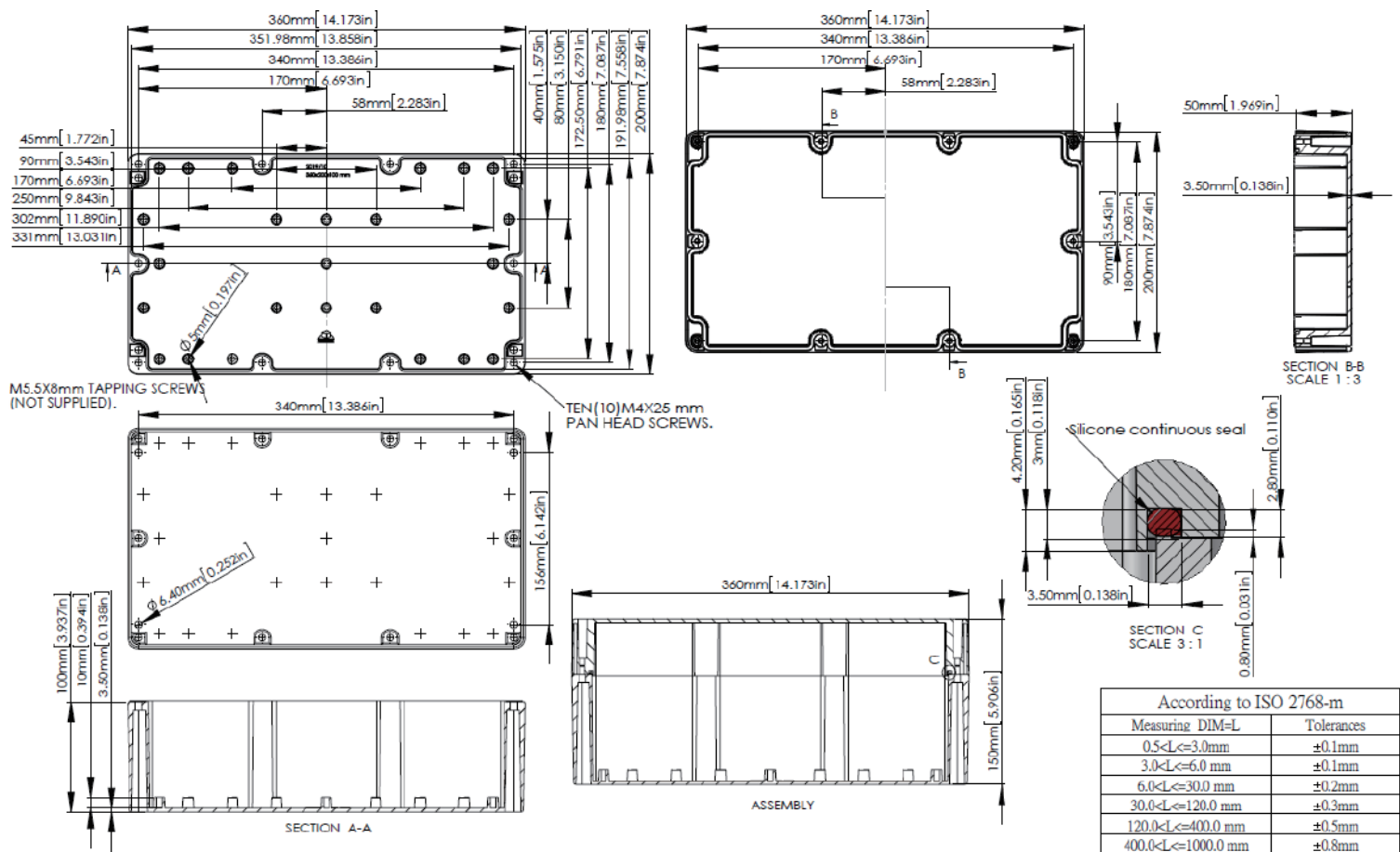
**P20295-IP68 / P20295C-IP68 / A30285-IP68**



**P20385-IP68 / P20385C-IP68 / A30312-IP68**



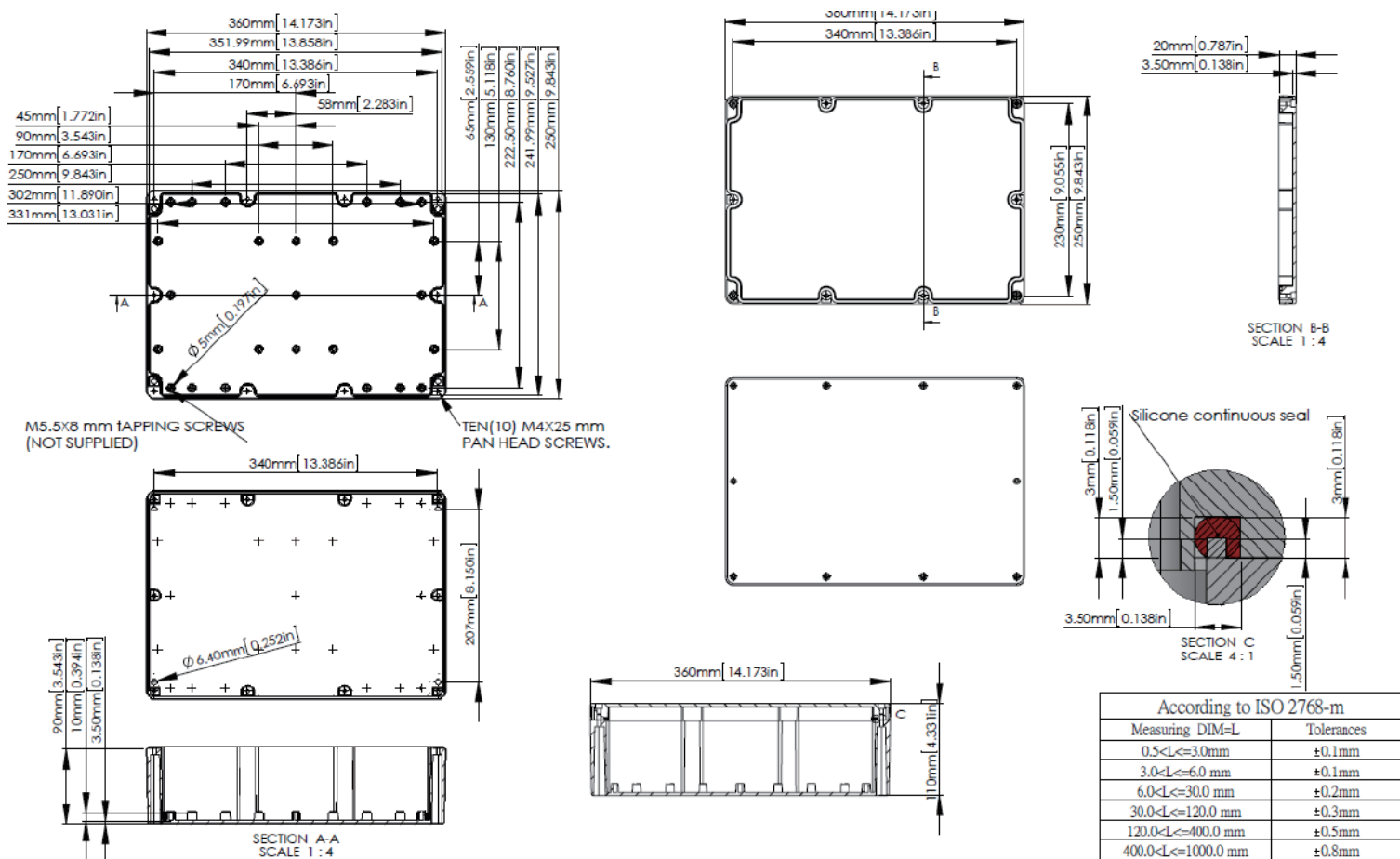
**P20583-IP68 / P20583C-IP68 / A30393-IP68**



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

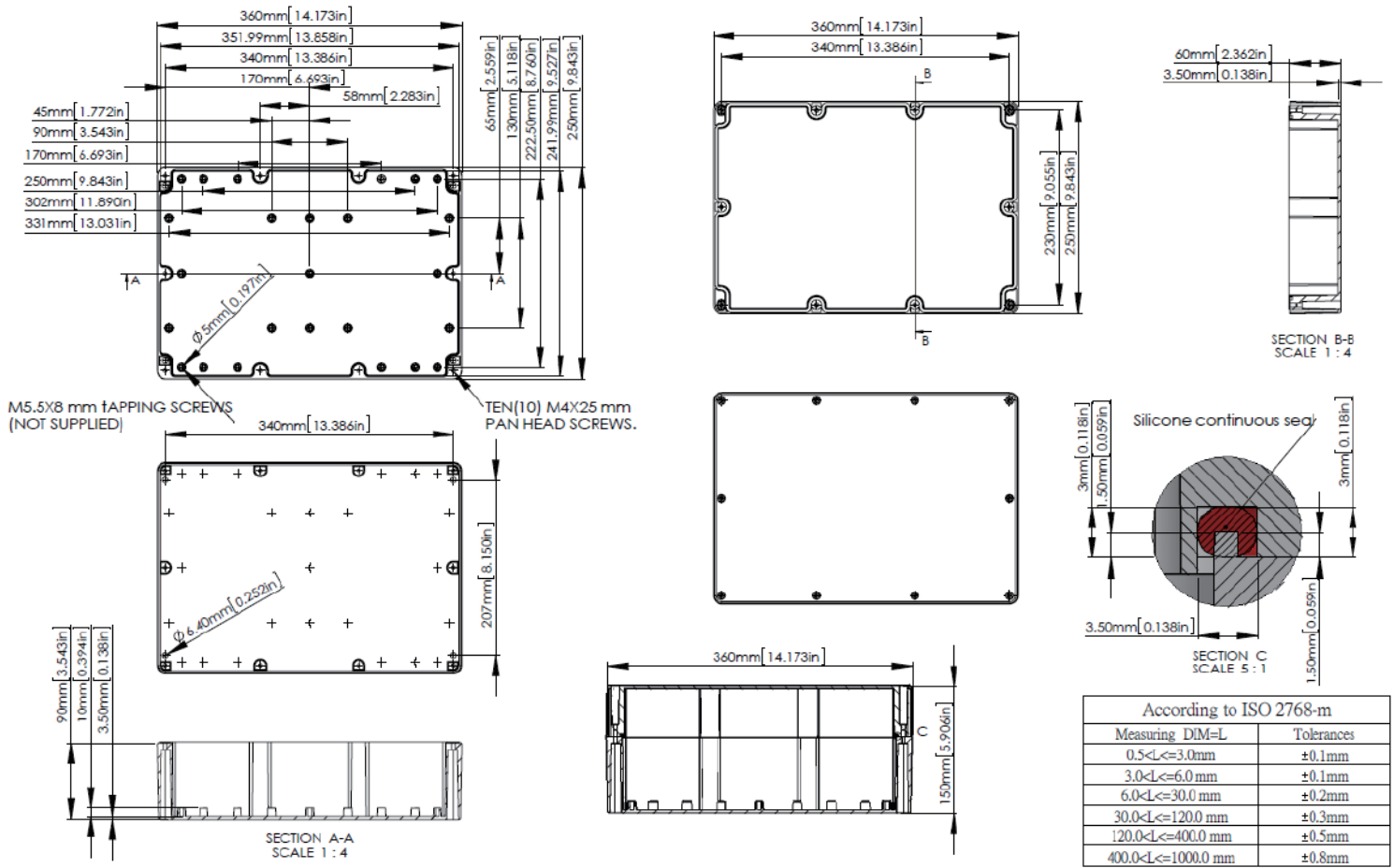
**P20793-IP68 / P20793C-IP68 / A30693-IP68**



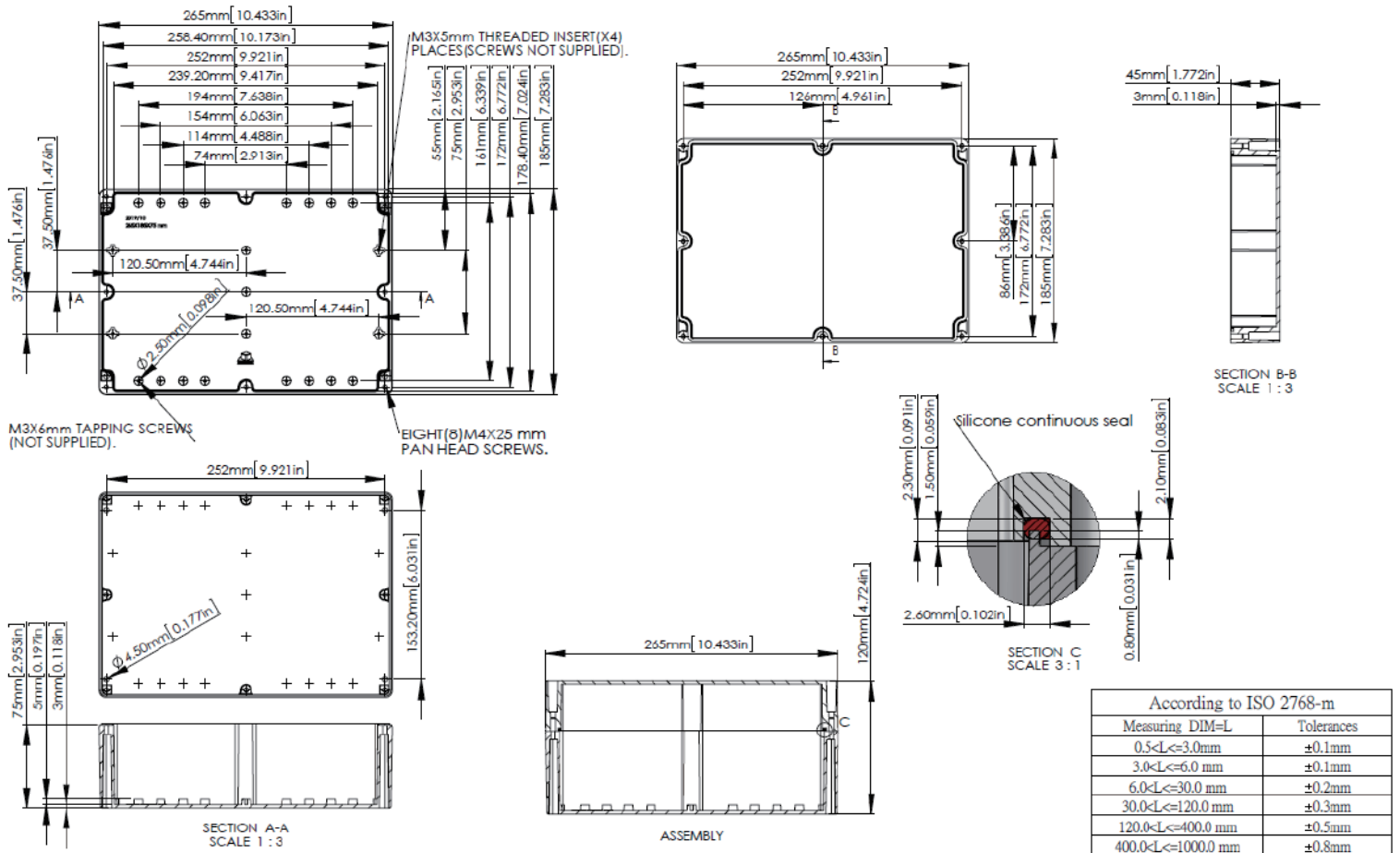
According to ISO 2768-m

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

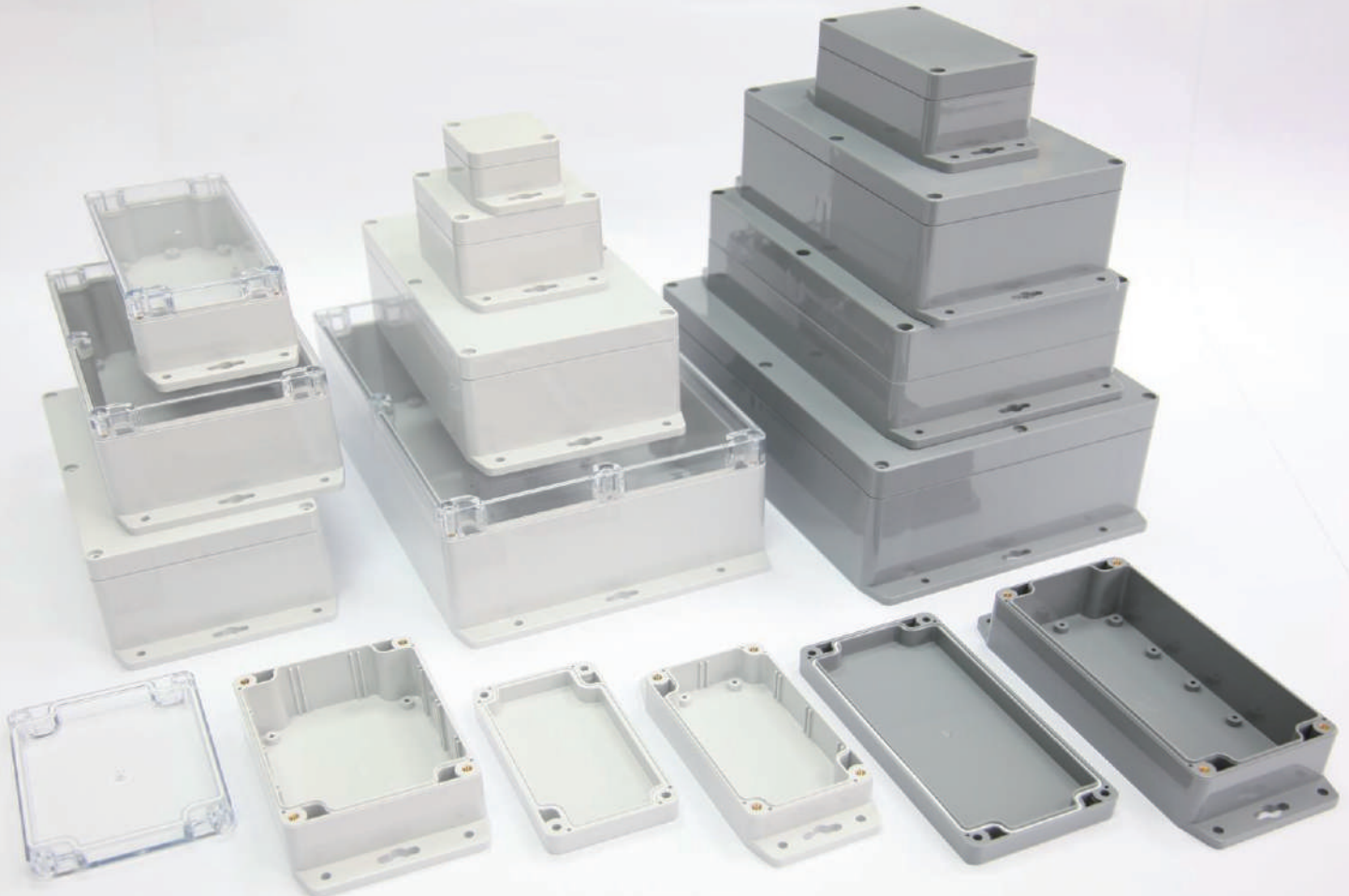
**P20883-IP68 / P20883C-IP68 / A30993-IP68**



**P2393-IP68 / P2393C-IP68 / A3913-IP68**



## IP68 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

(P2XX-IP68)  
(P2XXC-IP68)

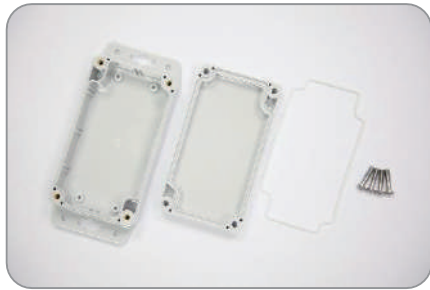
- Material : Polycarbonate ( UL94-HB )
- Moulded in : Light grey
- Operating temperature : -40°C to 120°C
- Clear lid is available on request

#### ABS

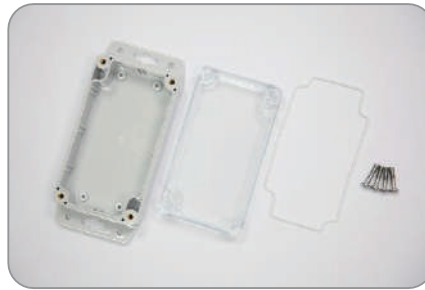
(A3XX-IP68)

- Material : High Impact ABS ( UL94-HB )
- Moulded in : Dark grey
- Operating temperature : -20°C to 60°C

Content



P203MF-IP68



P203CMF-IP68

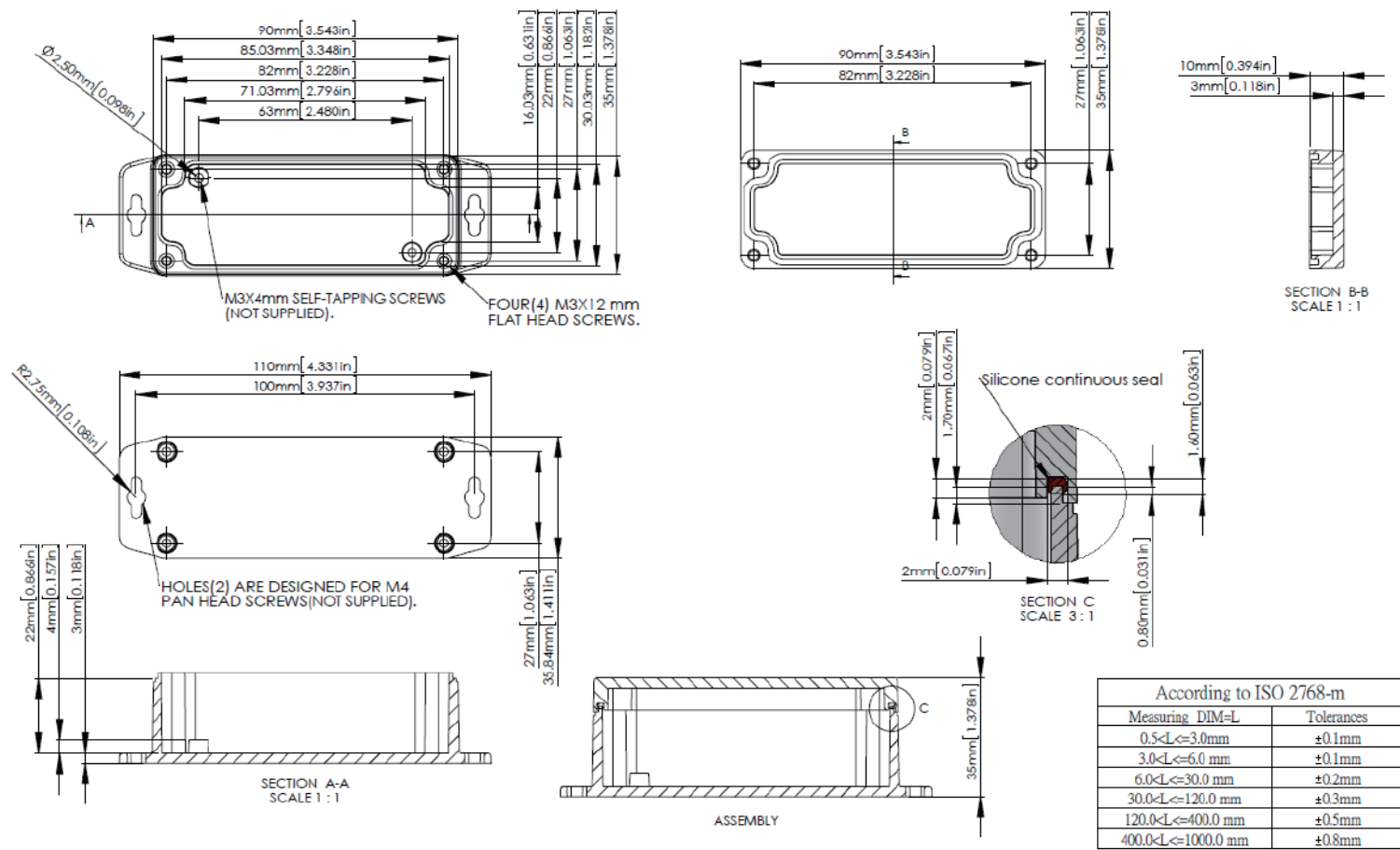


A304MF-IP68

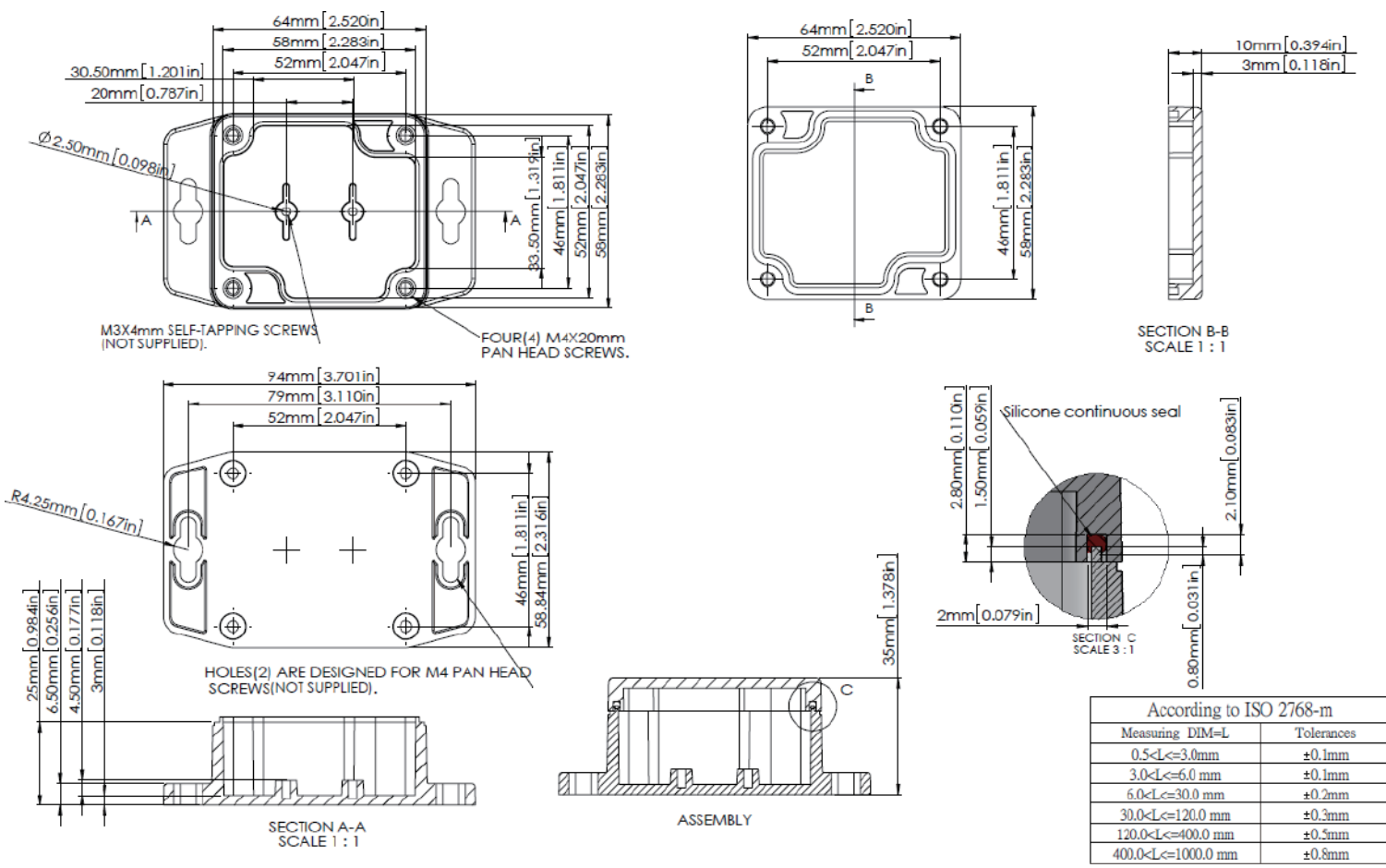
MATERIAL : POLYCARBONATE			
Light Grey Lid + Light Grey Base ITEM NO.	Clear Lid + Light Grey Base ITEM NO.	EXTERNAL DIMENSION (mm)	Clear Lid + Light Grey Base ITEM NO.
P200MF-IP68	P200CMF-IP68	90 x 35 x 35	A300MF-IP68
P201MF-IP68	P201CMF-IP68	64 x 58 x 35	A302MF-IP68
P203MF-IP68	P203CMF-IP68	115 x 65 x 40	A304MF-IP68
P205MF-IP68	P205CMF-IP68	115 x 65 x 55	A308MF-IP68
P212MF-IP68	P212CMF-IP68	115 x 90 x 55	A311MF-IP68
P214MF-IP68	P214CMF-IP68	171 x 121 x 55	A313MF-IP68
P218MF-IP68	P218CMF-IP68	222 x 146 x 55	A317MF-IP68
P221MF-IP68	P221CMF-IP68	115 x 90 x 80	A331MF-IP68
P223MF-IP68	P223CMF-IP68	171 x 121 x 80	A340MF-IP68
P232MF-IP68	P232CMF-IP68	222 x 146 x 75	A353MF-IP68
P250MF-IP68	P250CMF-IP68	52 x 50 x 35	A362MF-IP68
P256MF-IP68	P256CMF-IP68	82 x 80 x 55	A366MF-IP68
P258MF-IP68	P258CMF-IP68	160 x 80 x 55	A368MF-IP68
P265MF-IP68	P265CMF-IP68	160 x 80 x 85	A369MF-IP68
P278MF-IP68	P278CMF-IP68	120 x 120 x 60	A386MF-IP68
P279MF-IP68	P279CMF-IP68	120 x 120 x 90	A387MF-IP68
P2691MF-IP68	P2691CMF-IP68	200 x 120 x 75	A3735MF-IP68
P2385MF-IP68	P2385CMF-IP68	265 x 185 x 95	A3783MF-IP68
<b>NEW</b> P2393MF-IP68	P2393CMF-IP68	265 x 185 x 120	A3913MF-IP68

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

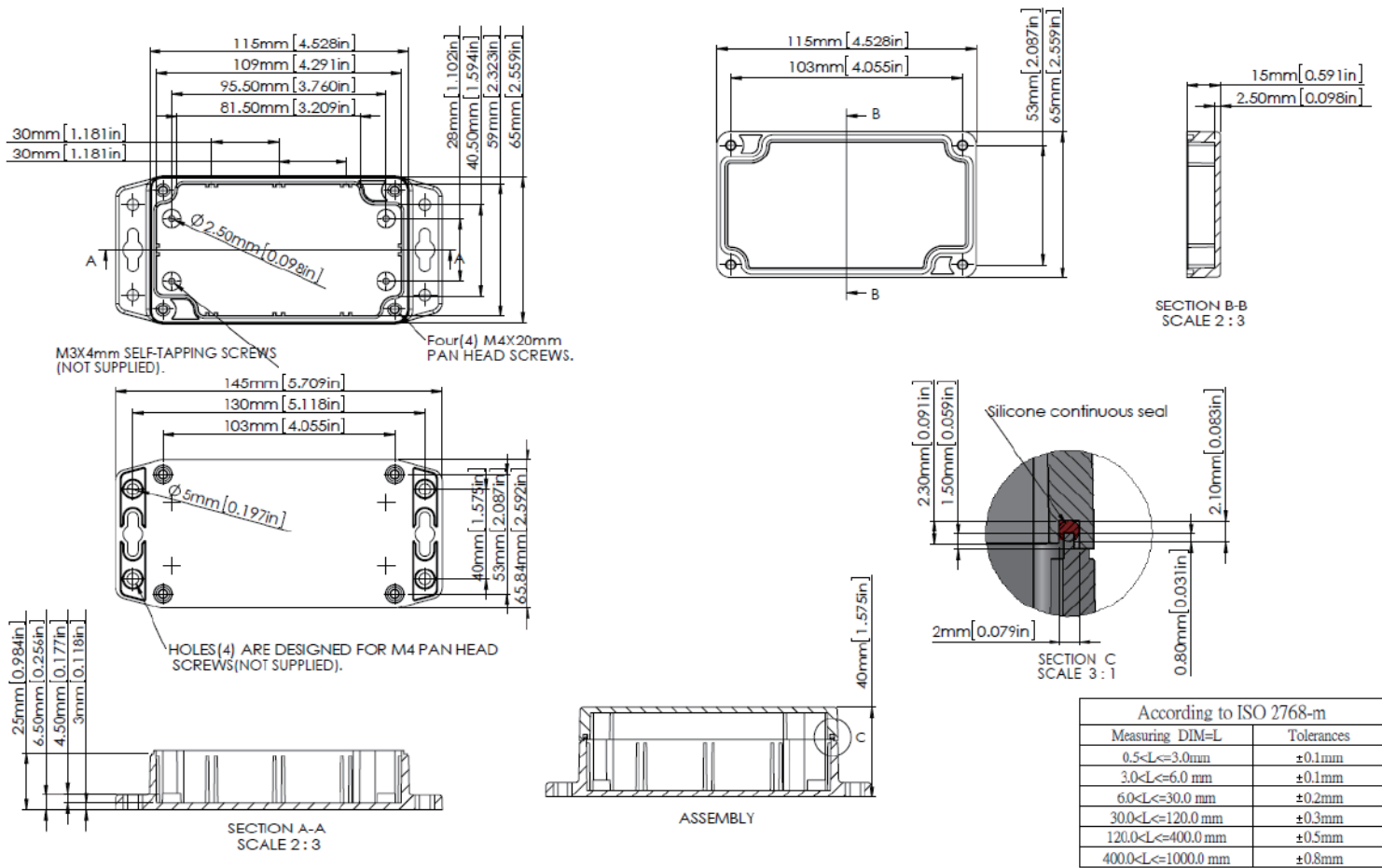
**P200MF-IP68 / P200CMF-IP68 / A300MF-IP68**



**P201MF-IP68 / P201CMF-IP68 / A302MF-IP68**



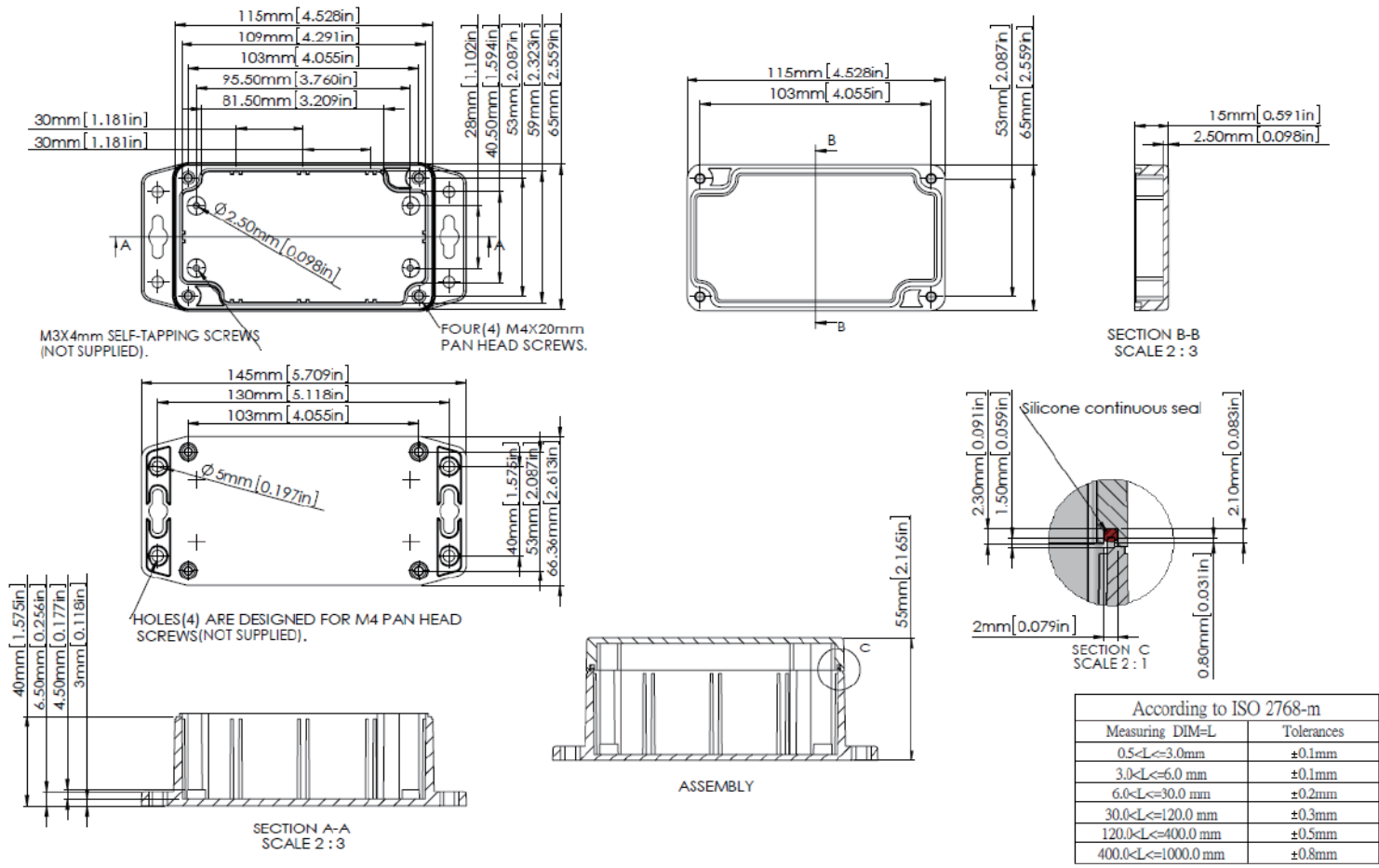
**P203MF-IP68 / P203CMF-IP68 / A304MF-IP68**



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

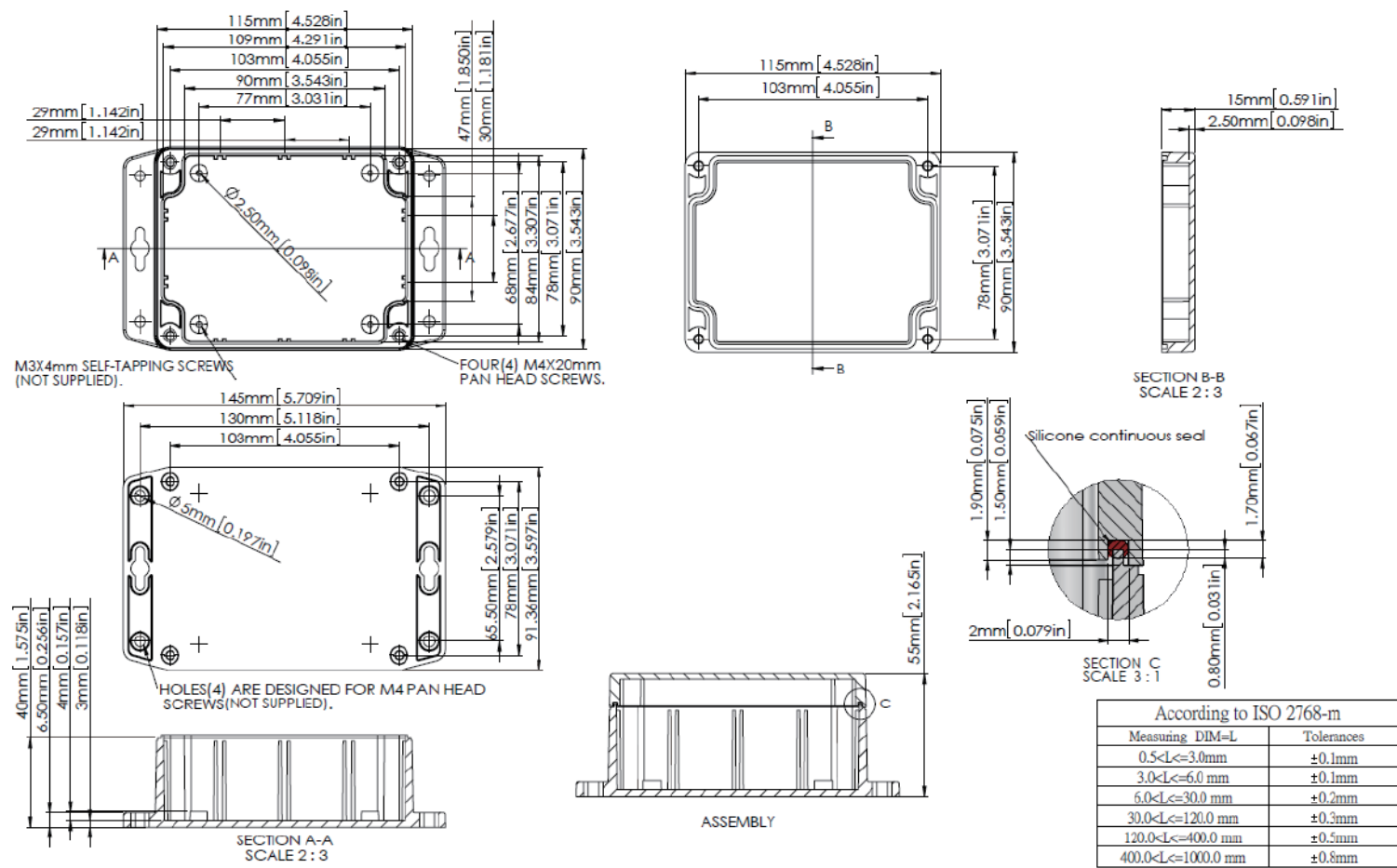
**P205MF-IP68 / P205CMF-IP68 / A308MF-IP68**



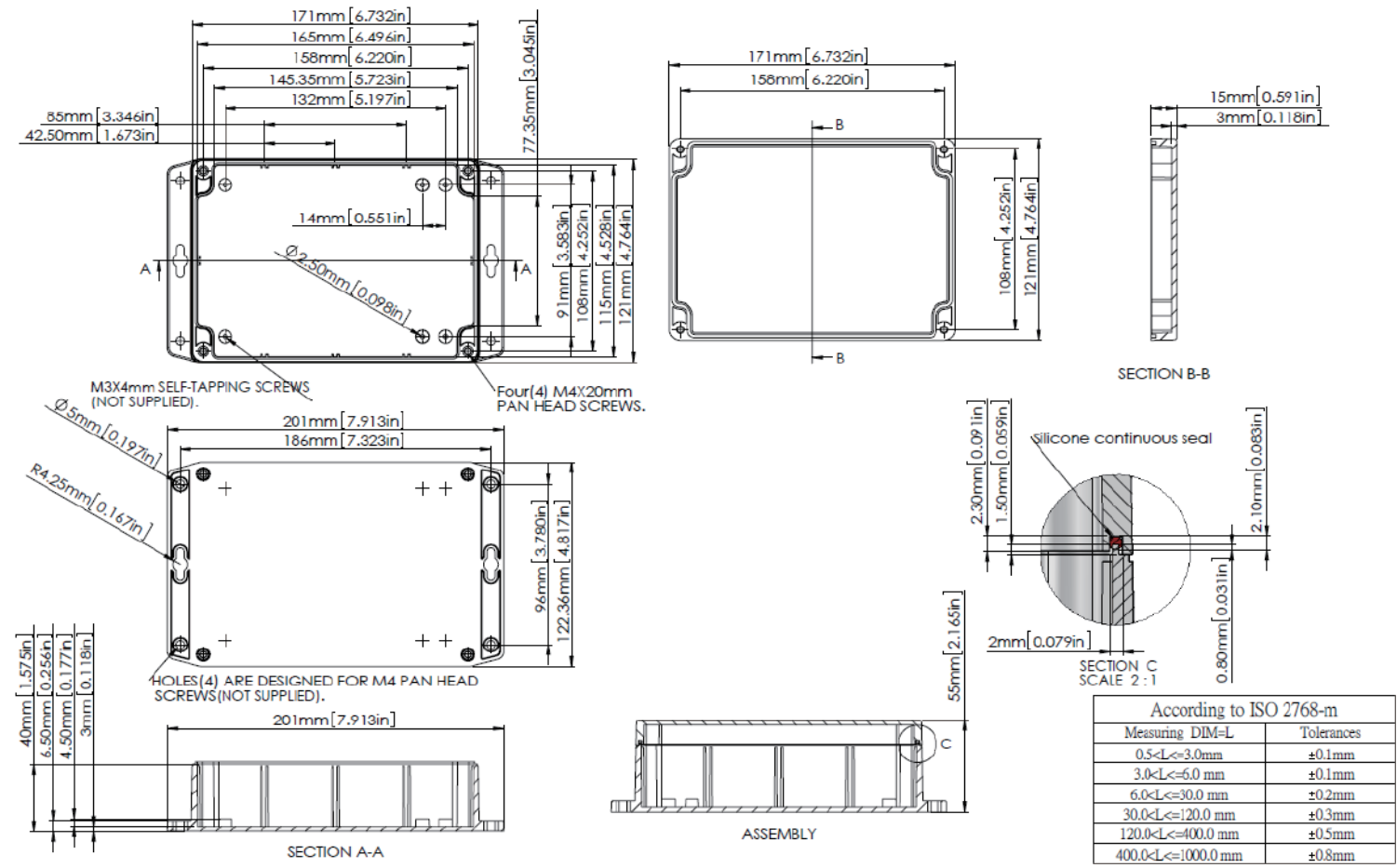
According to ISO 2768-m

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

**P212MF-IP68 / P212CMF-IP68 / A311MF-IP68**

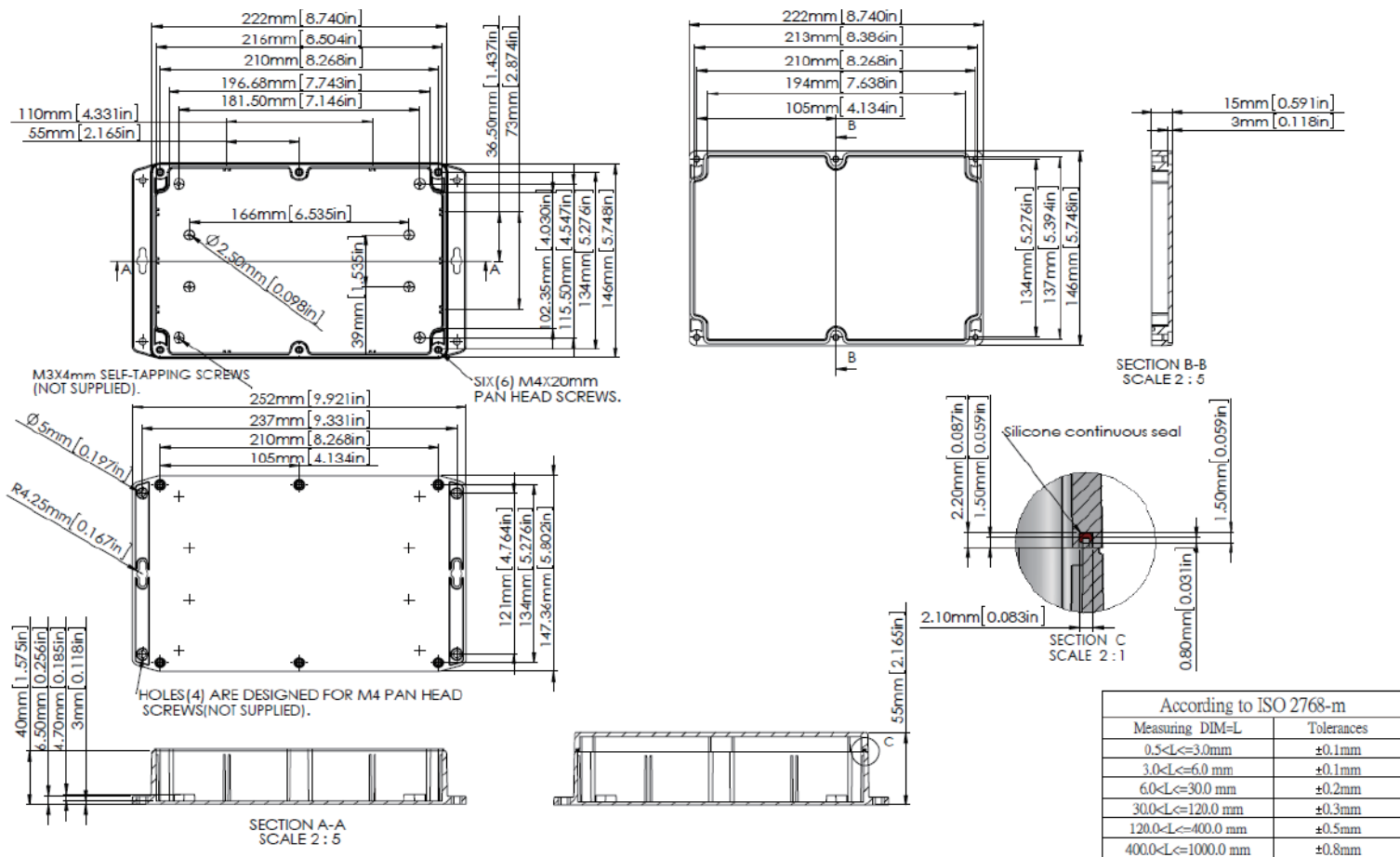


**P214MF-IP68 / P214CMF-IP68 / A313MF-IP68**

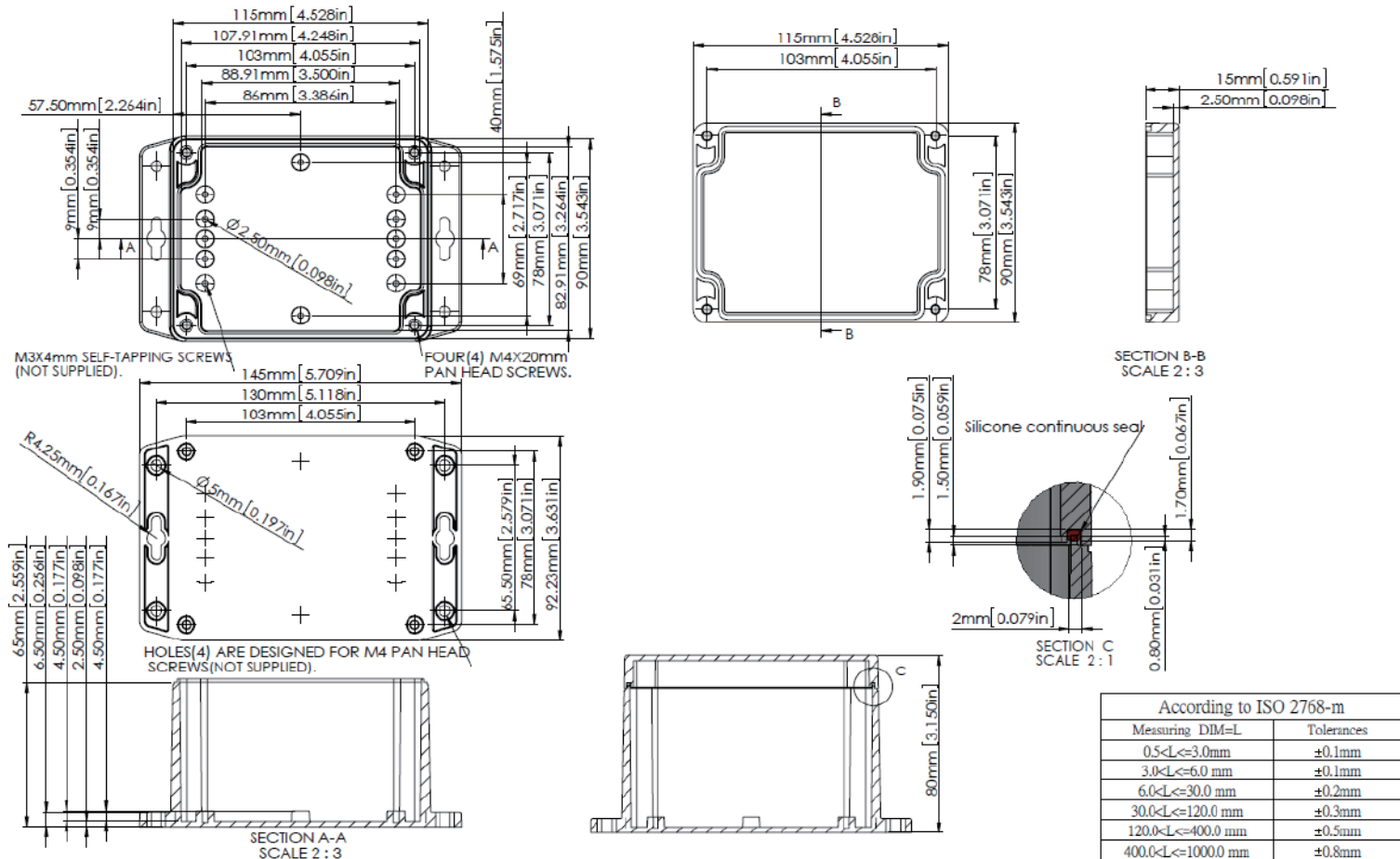




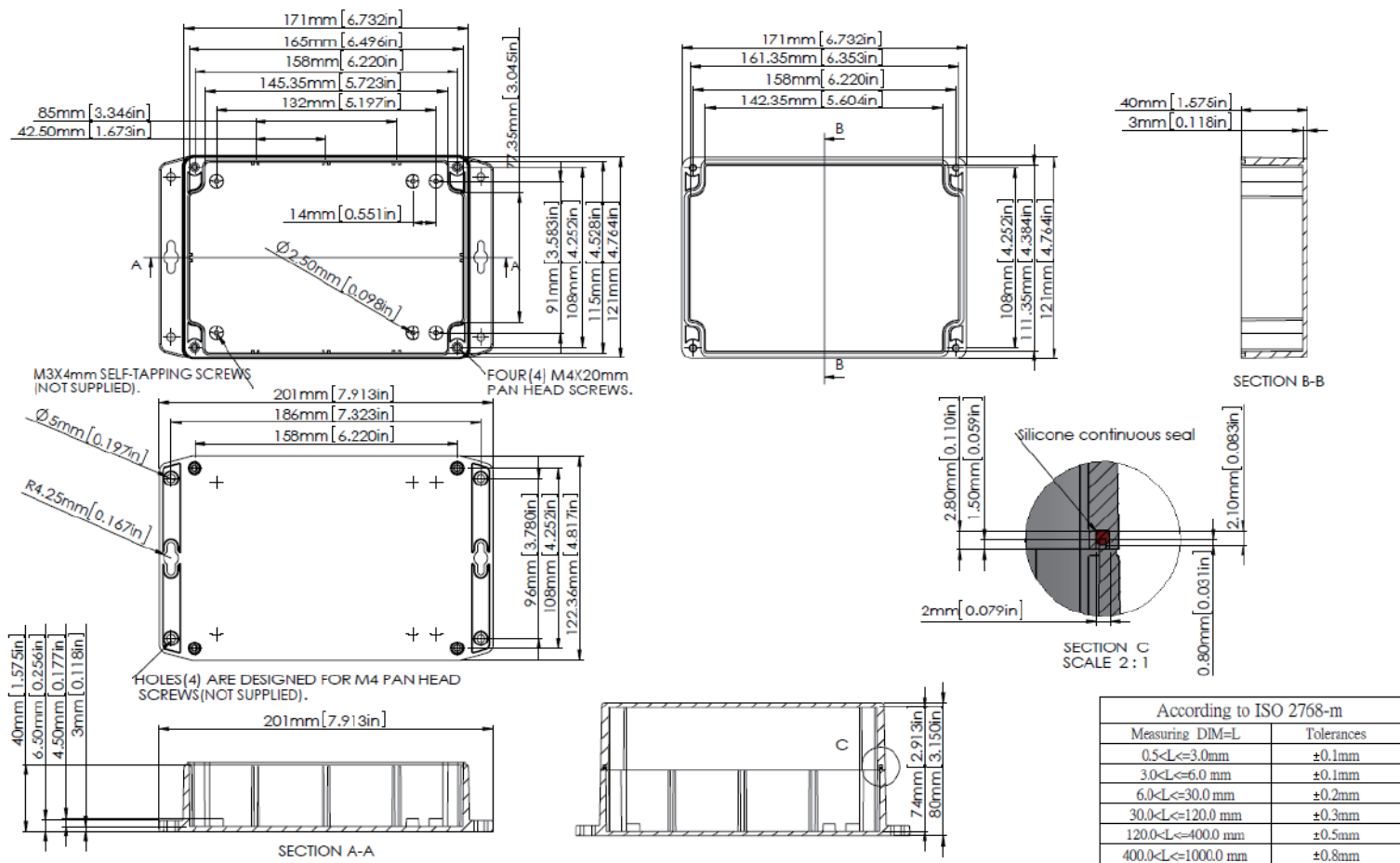
**P218MF-IP68 / P218CMF-IP68 / A317MF-IP68**



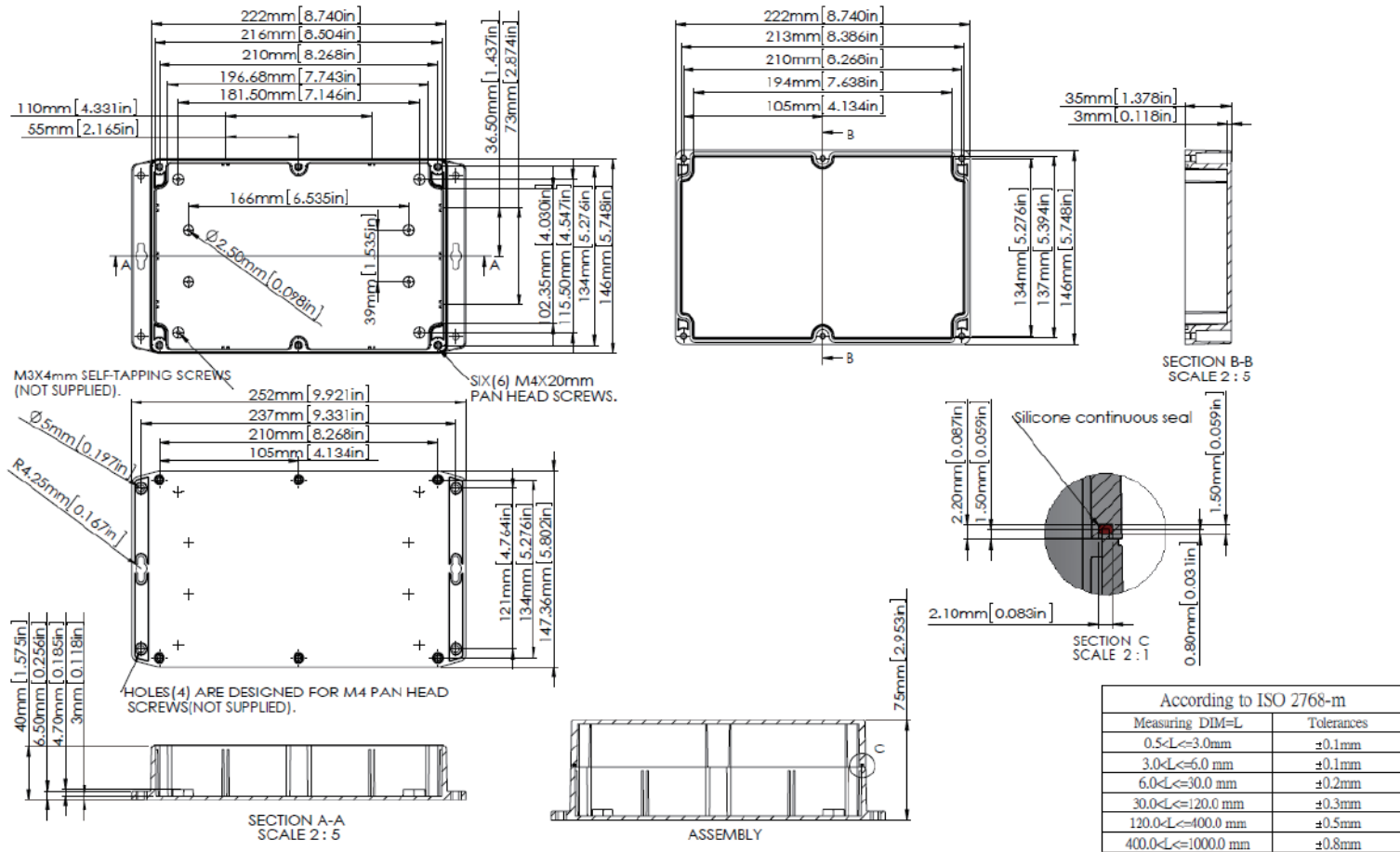
**P221MF-IP68 / P221CMF-IP68 / A331MF-IP68**



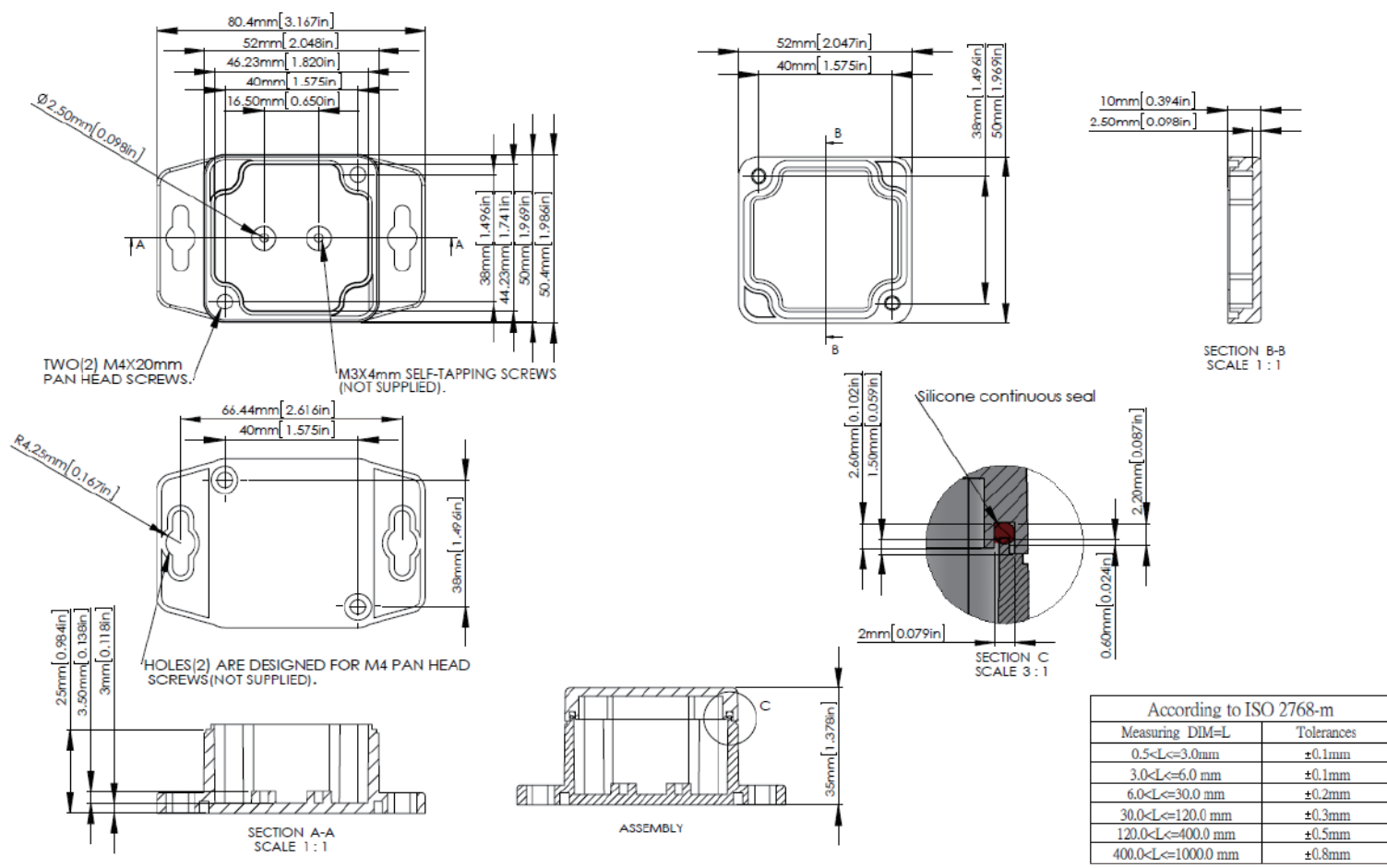
**P223MF-IP68 / P223CMF-IP68 / A340MF-IP68**



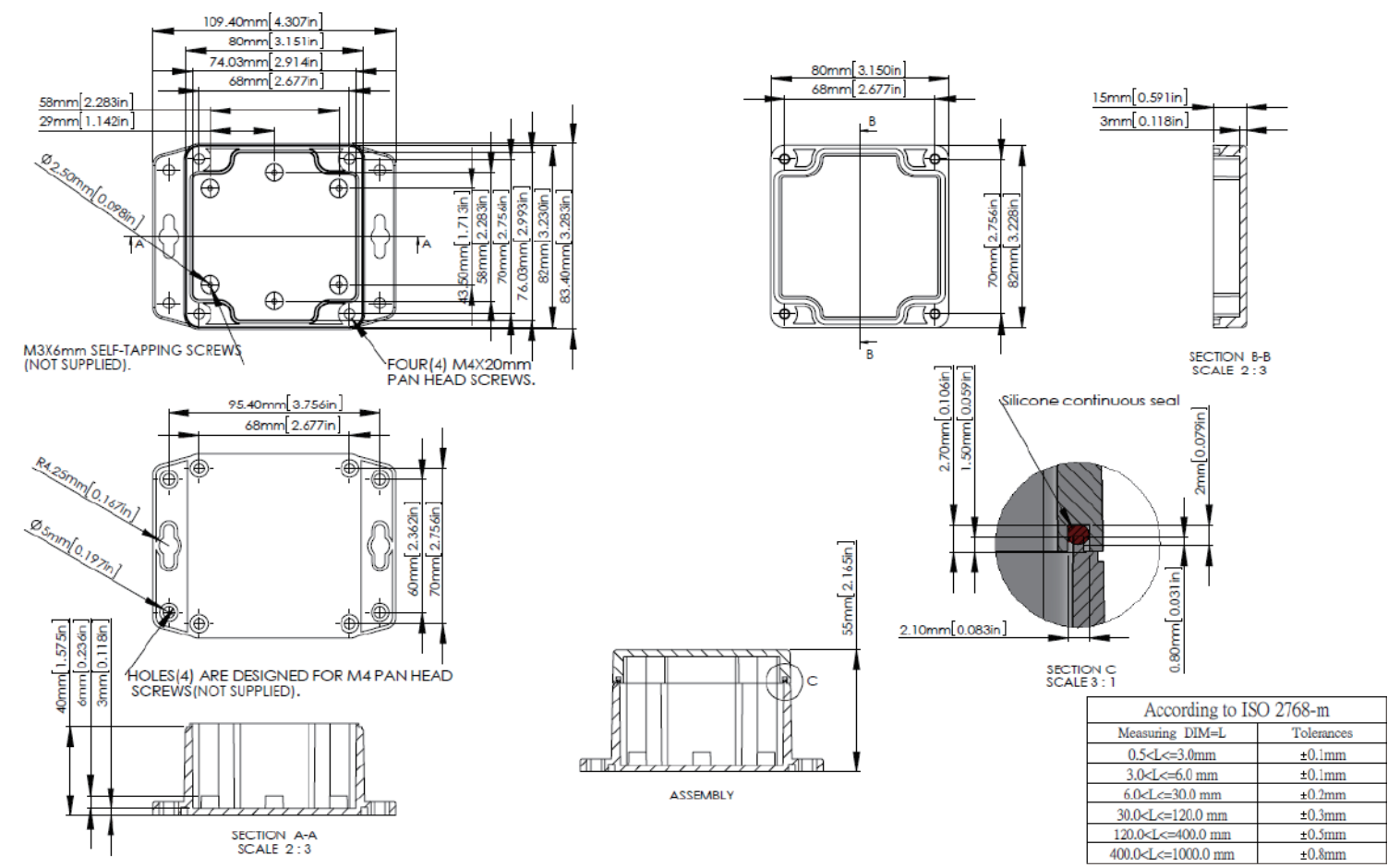
**P232MF-IP68 / P232CMF-IP68 / A353MF-IP68**



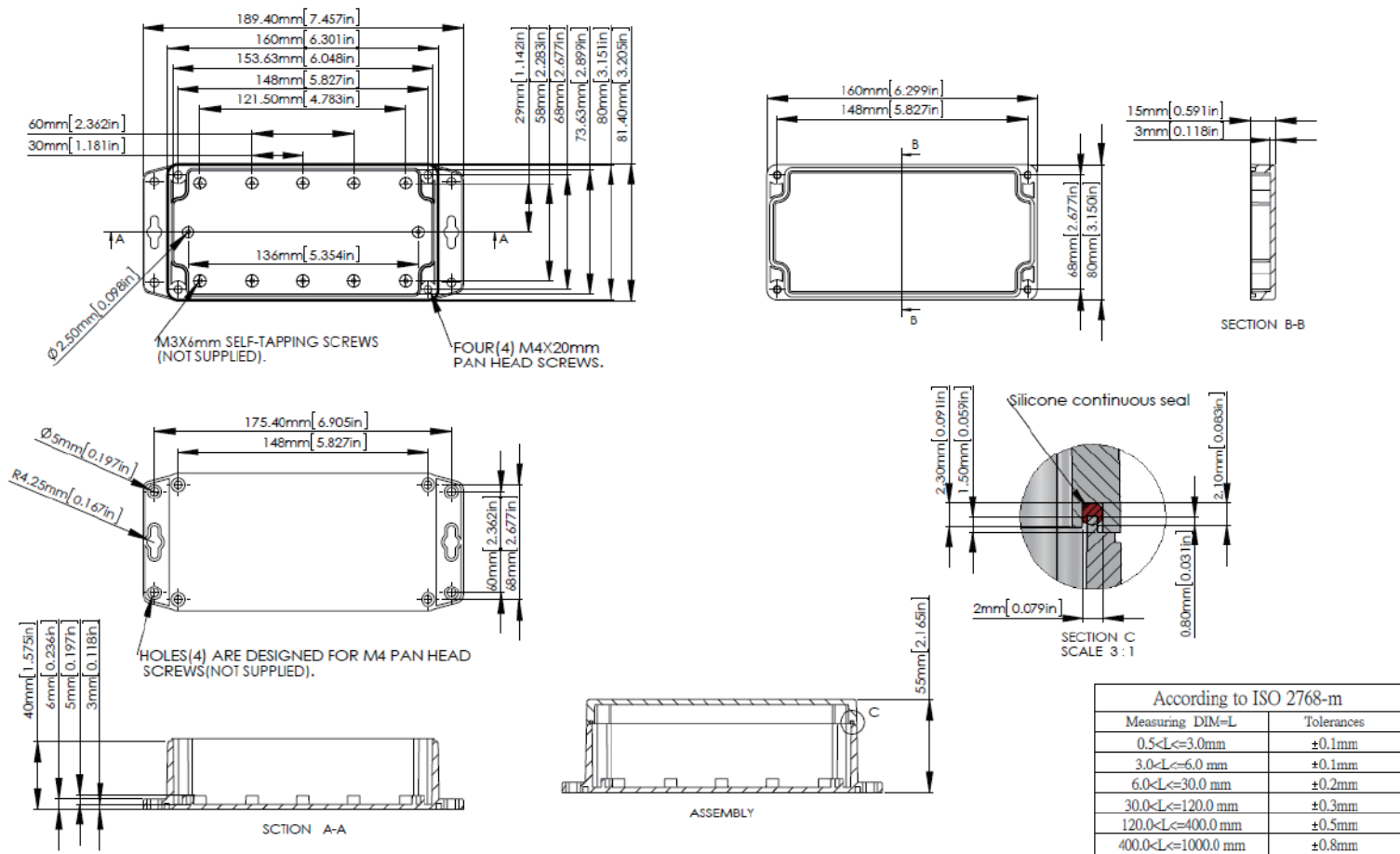
**P250MF-IP68 / P250CMF-IP68 / A362MF-IP68**



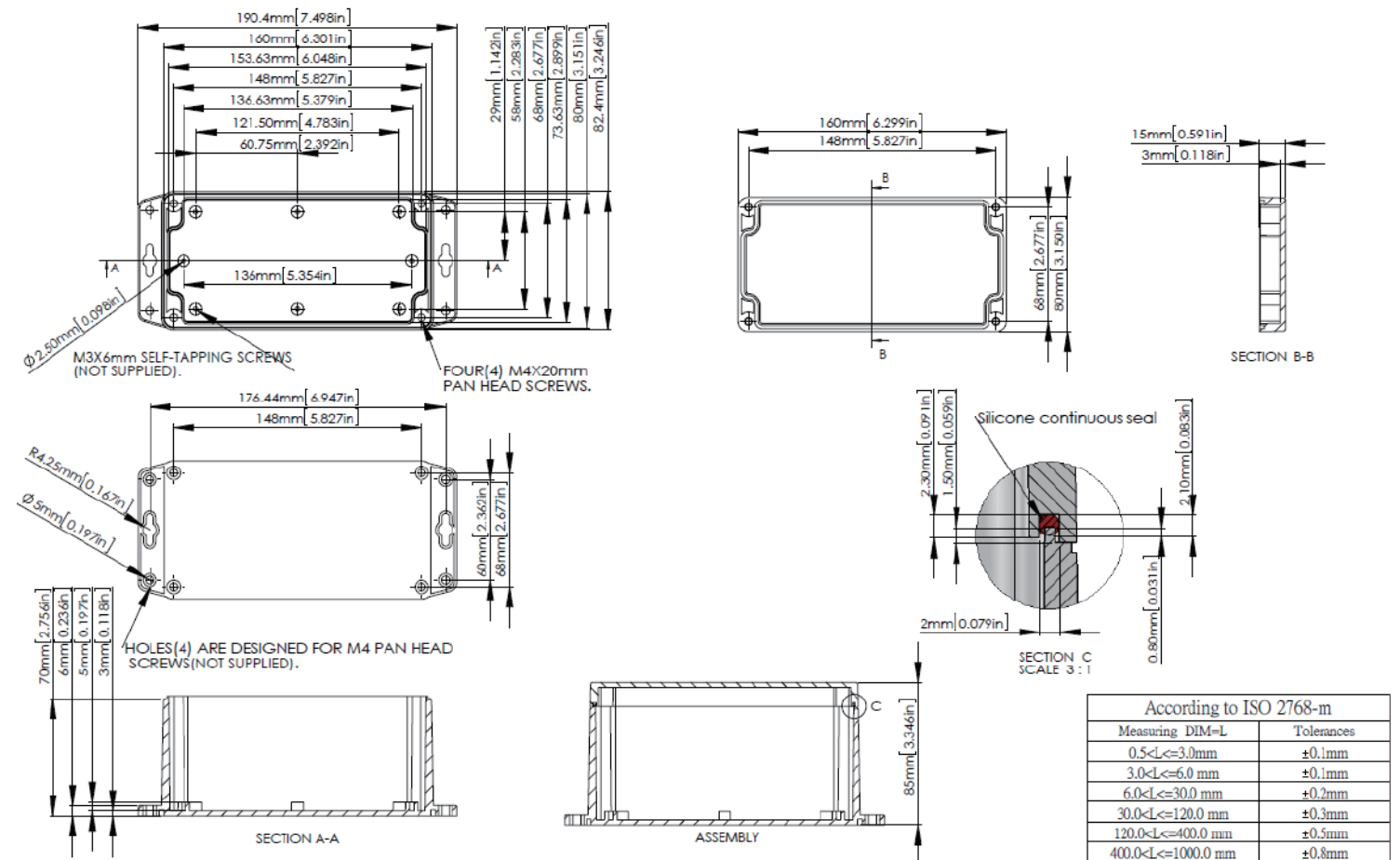
**P256MF-IP68 / P256CMF-IP68 / A366MF-IP68**



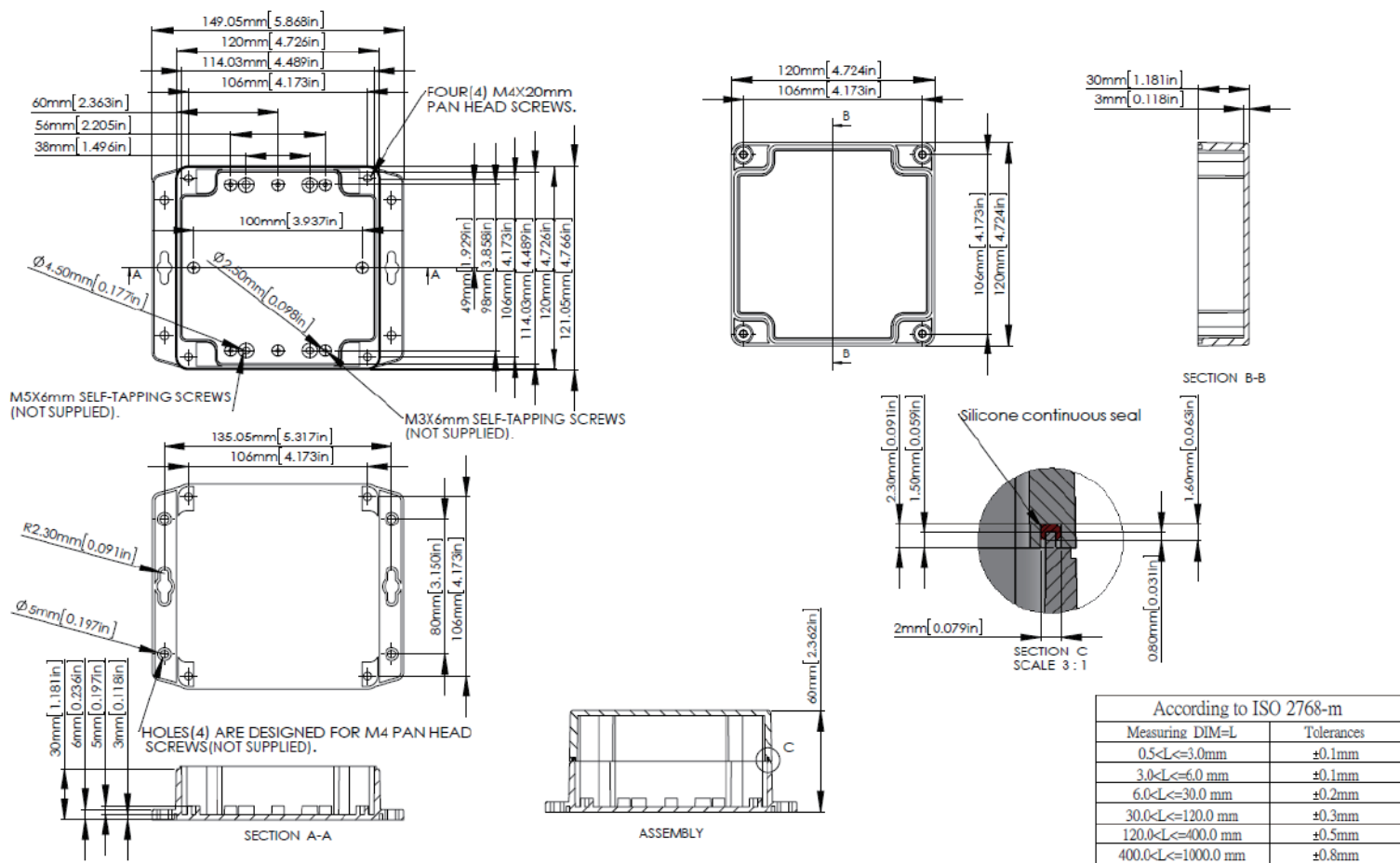
**P258MF-IP68 / P258CMF-IP68 / A368MF-IP68**



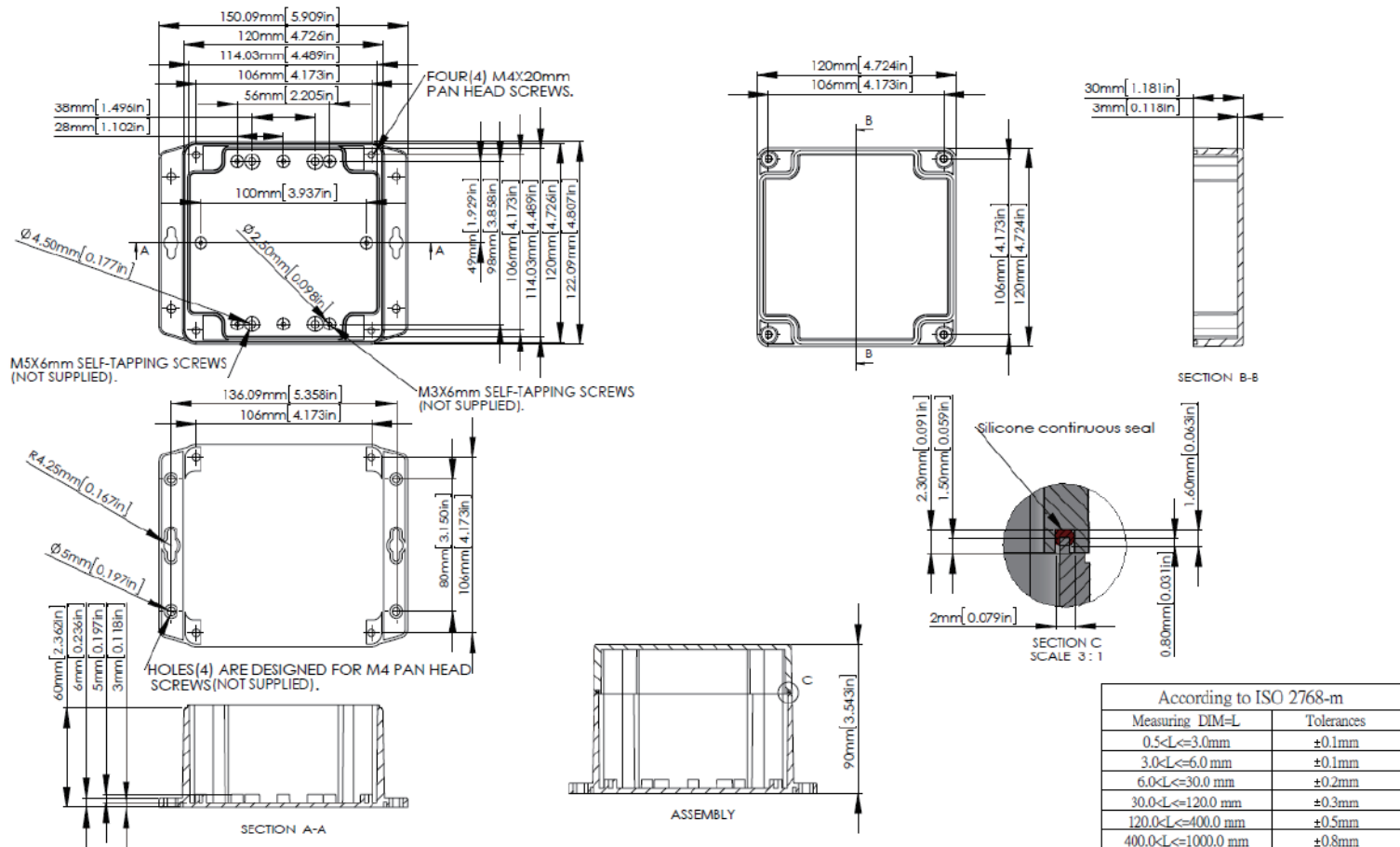
**P265MF-IP68 / P265CMF-IP68 / A369MF-IP68**



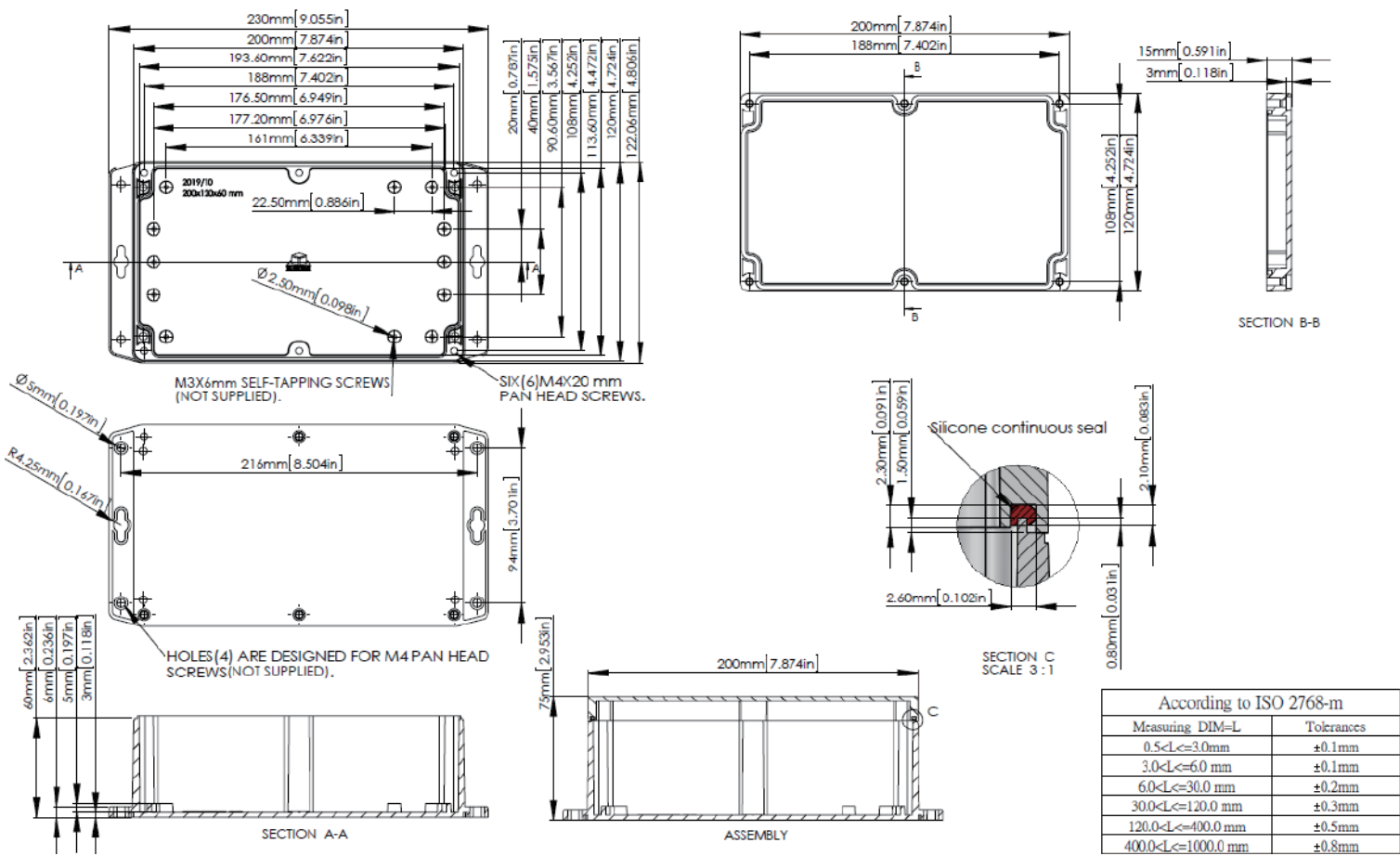
**P278MF-IP68 / P278CMF-IP68 / A386MF-IP68**



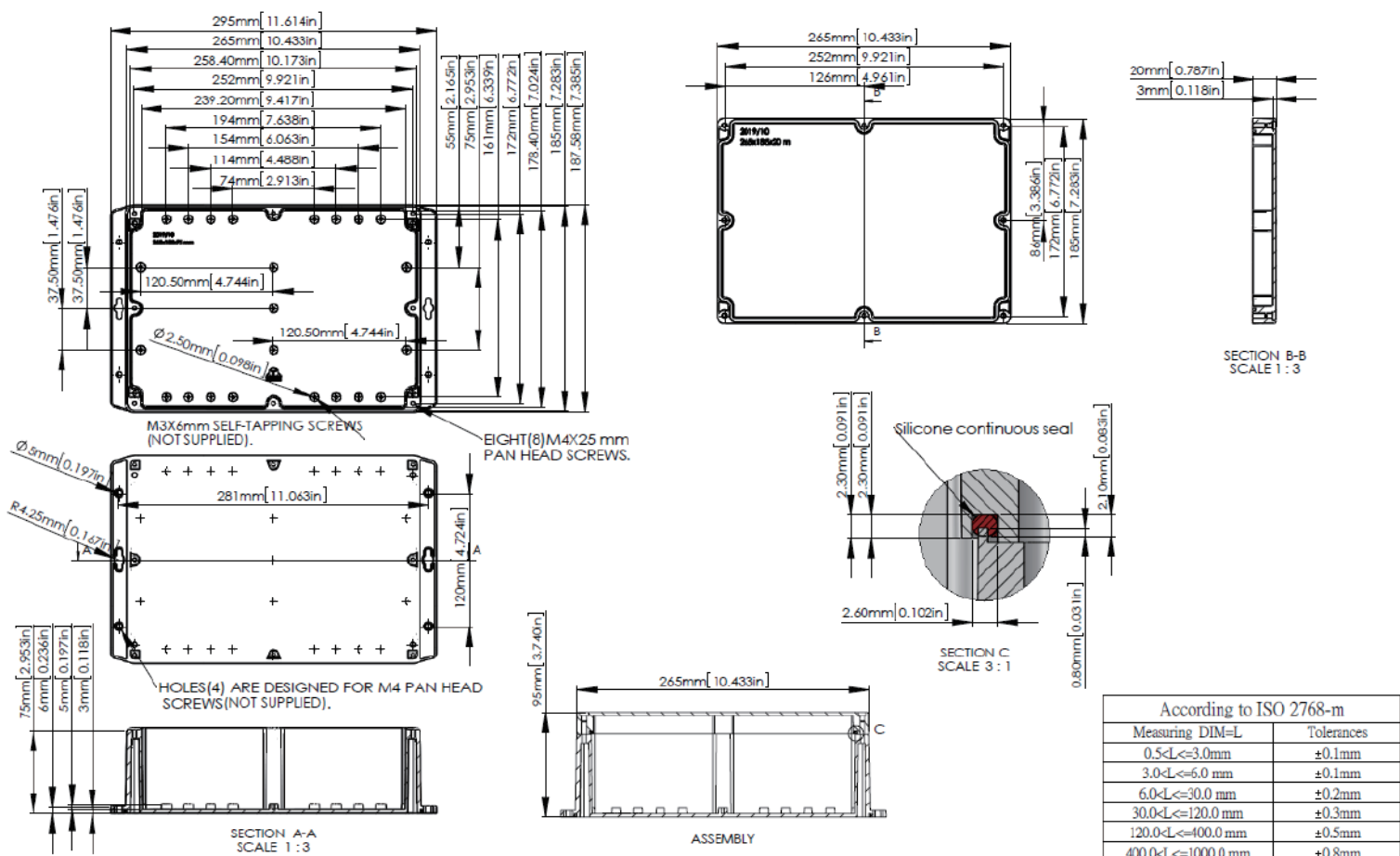
**P279MF-IP68 / P279CMF-IP68 / A387MF-IP68**



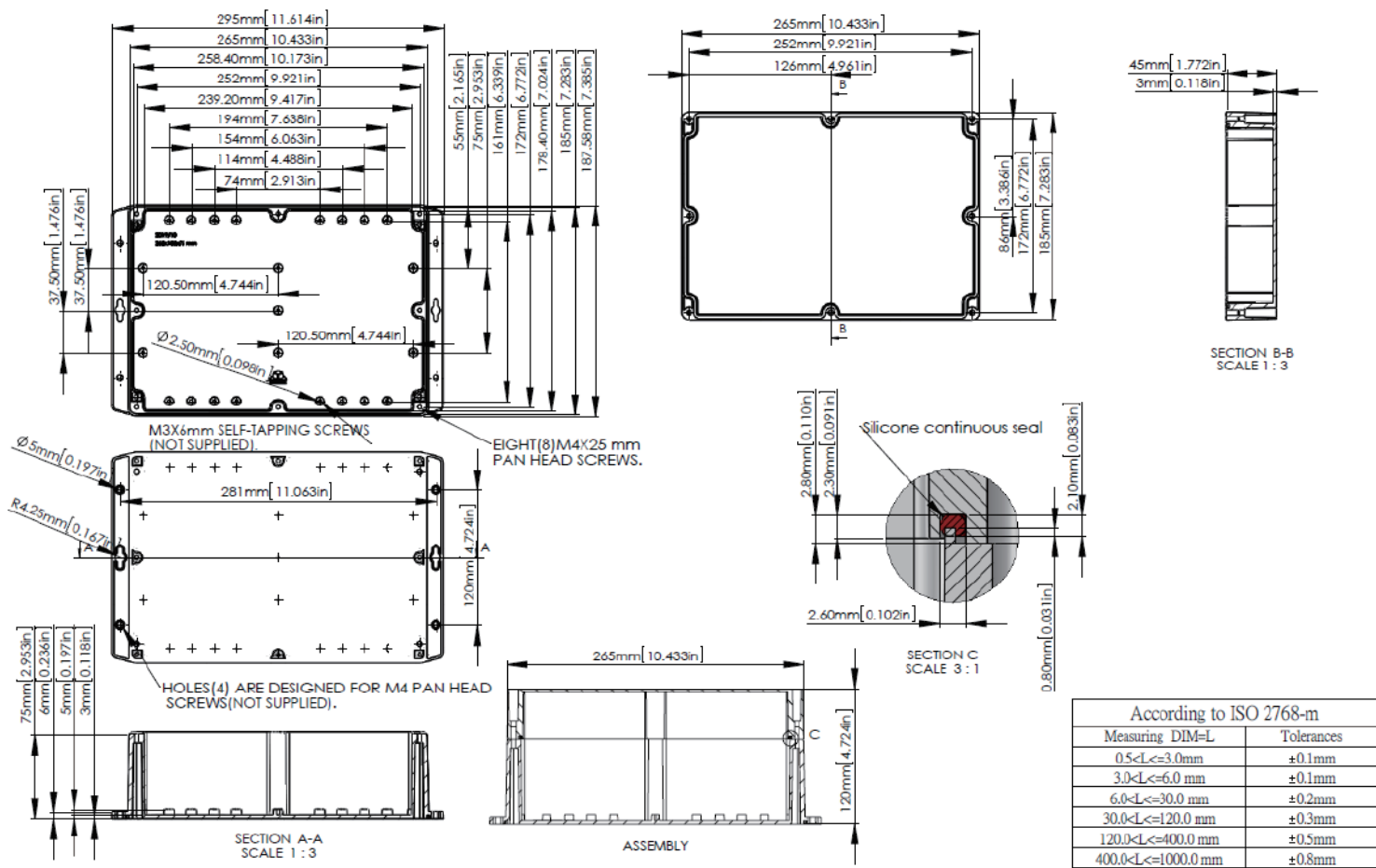
**P2691MF-IP68 / P2691CMF-IP68 / A3735MF-IP68**



**P2385MF-IP68 / P2385CMF-IP68 / A3783MF-IP68**

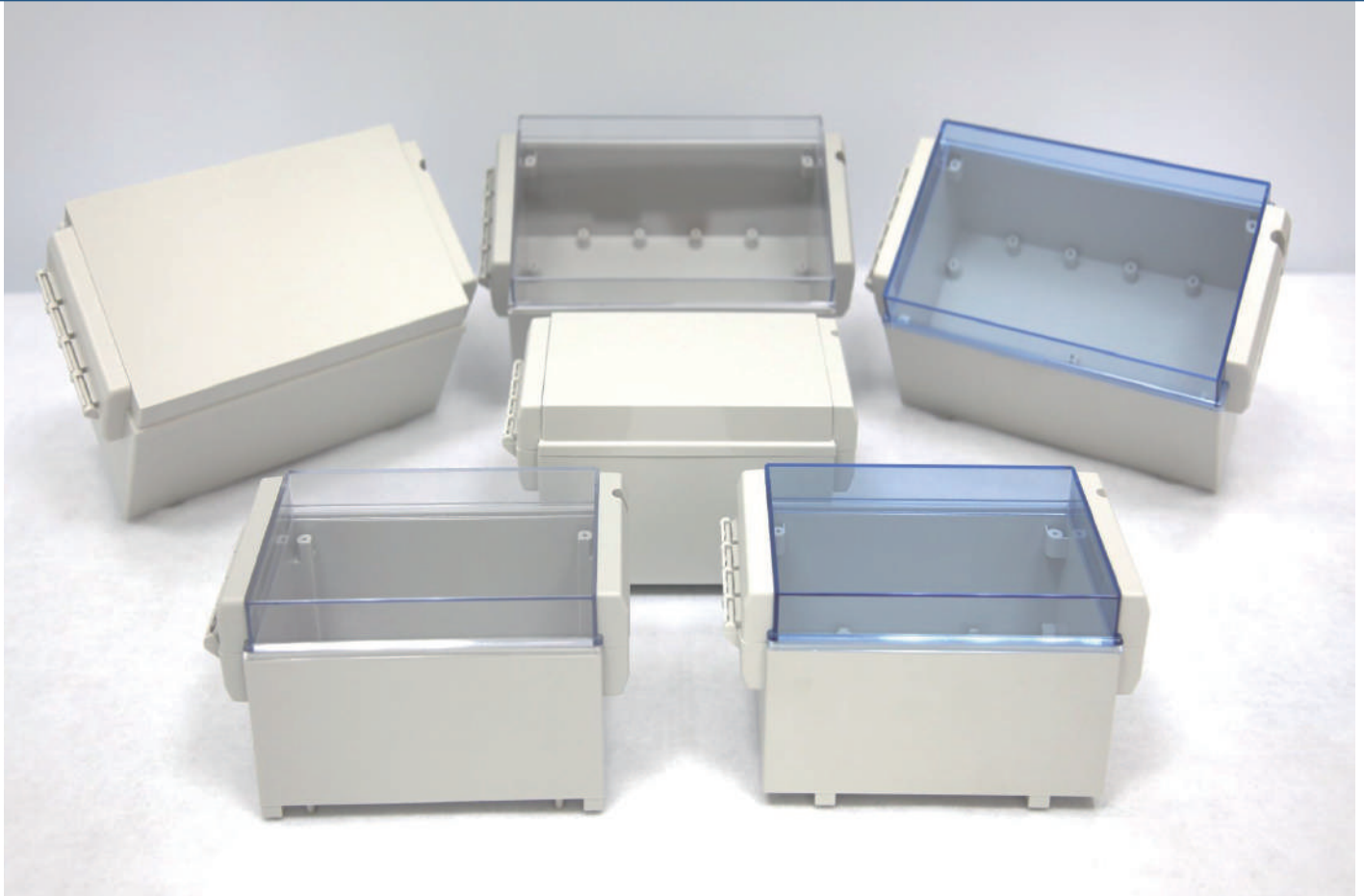


P2393MF-IP68 / P2393CMF-IP68 / A3913MF-IP68



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

## HINGE TYPE ENCLOSURES



### PRODUCT INFORMATION

- 2 different sizes of wall mounting cases for you to use in measurement & control application.
- These cases are able to be used with din EN60715 rail (35mm).
- Hinge type of transparent cover (left-hand or right-hand hinge) for you to view the parts easily.
- PG or Metric rated break points are designed for you to use the IP68 cable glands (PG or Metric type) well.
- 3 types of boxes are as follows,

#### TYPE A

HGPXXX SERIES



#### TYPE B

HGPXXXCBU SERIES



#### TYPE C

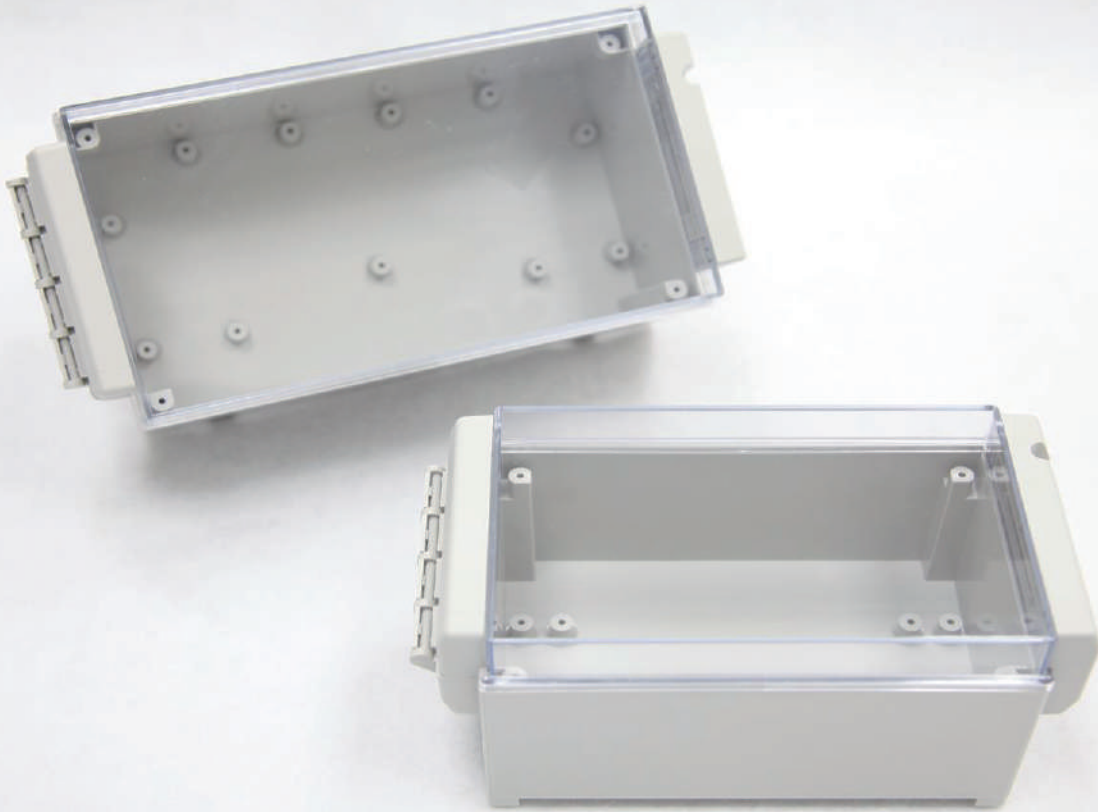
HGAXXX SERIES





# HGPXXX SERIES

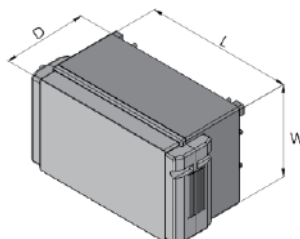
## HGP001, HGP005



### PRODUCT INFORMATION

- Material: UL94-V0 rating of PC/ABS (grey base, grey lid, hinge kit)  
UL94-V0 rating of Polycarbonate (transparent lid)
- Color: Light grey, similar to RAL7038 with transparent lid.
- Recommended working temperature: -20°C to +60°C.
- Ingress Protection: designed to meet IP65, EPDM gasket pre-installed.

ITEM NO.	EXTERNAL DIMENSION(mm)
HGP001	166 x 106 x 94
HGP005	213 x 125 x 104.5

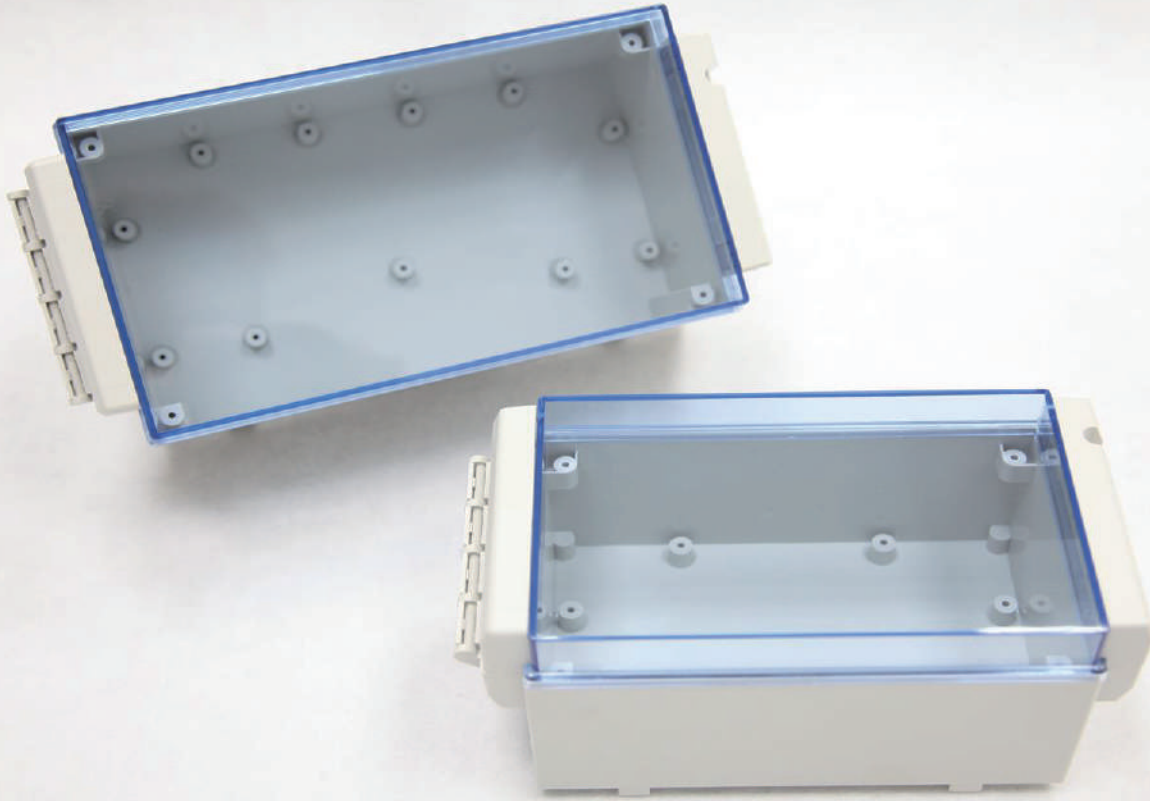


Gasket pre-installed



# HGPXXCBU SERIES

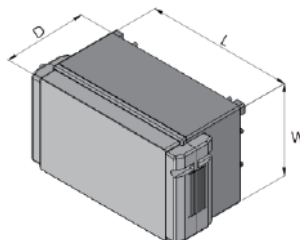
*HGP001CBU , HGP005CBU*



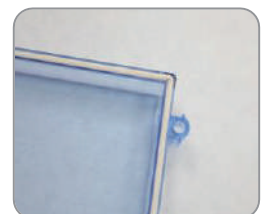
## PRODUCT INFORMATION

- Material: UL94-HB rating of ABS (grey base, grey lid, hinge kit)  
UL94-HB rating of Polycarbonate (transparent blue lid)
- Color: Light grey, similar to RAL7035 with transparent blue lid.
- Recommended working temperature: -20°C to +60°C.
- Ingress Protection: designed to meet IP65, EPDM gasket pre-installed.

ITEM NO.	EXTERNAL DIMENSION(mm)
HGP001CBU	166 x 106 x 94
HGP005CBU	213 x 125 x 104.5



Gasket pre-installed



# HGAXXX SERIES

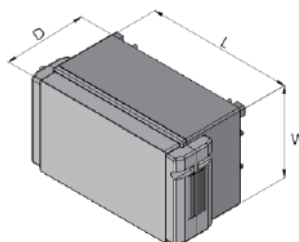
*HGA001, HGA005*



## PRODUCT INFORMATION

- Material: UL94-HB rating of ABS
- Color: Light grey, similar to RAL7035.
- Recommended working temperature: -20°C to +60°C.
- Ingress Protection: designed to meet IP65, EPDM gasket pre-installed.

ITEM NO.	EXTERNAL DIMENSION(mm)
HGA001	166 x 106 x 94
HGA005	213 x 125 x 104.5



Gasket pre-installed



# CONTENT

## TYPE A HGPXXX SERIES



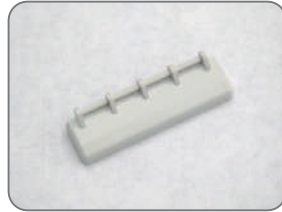
1 Cabinets



2 Transparent lid



4 Hinge Clip



5 Hinge bar

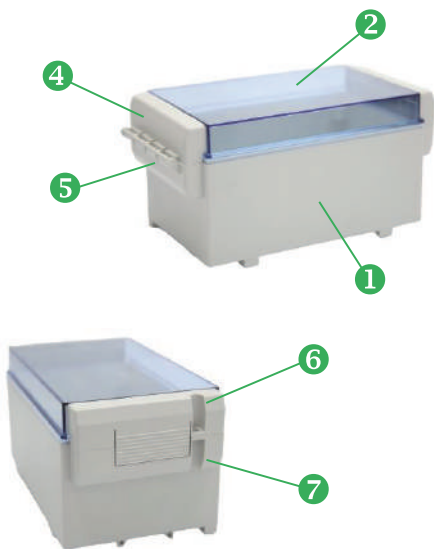


6 Locking hook



7 Lower locking hook

## TYPE B HGPXXXCBU SERIES



1 Cabinets



2 Transparent blue lid



4 Hinge Clip



5 Hinge bar

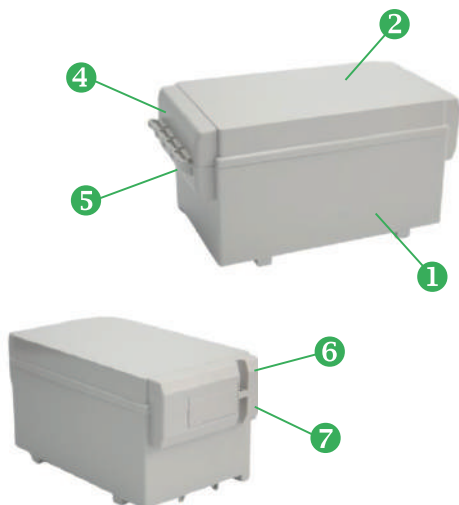


6 Locking hook



7 Lower locking hook

## TYPE C HGAXXX SERIES



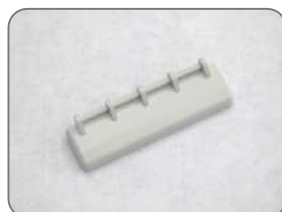
1 Cabinets



2 Grey lid



4 Hinge Clip



5 Hinge bar



6 Locking hook

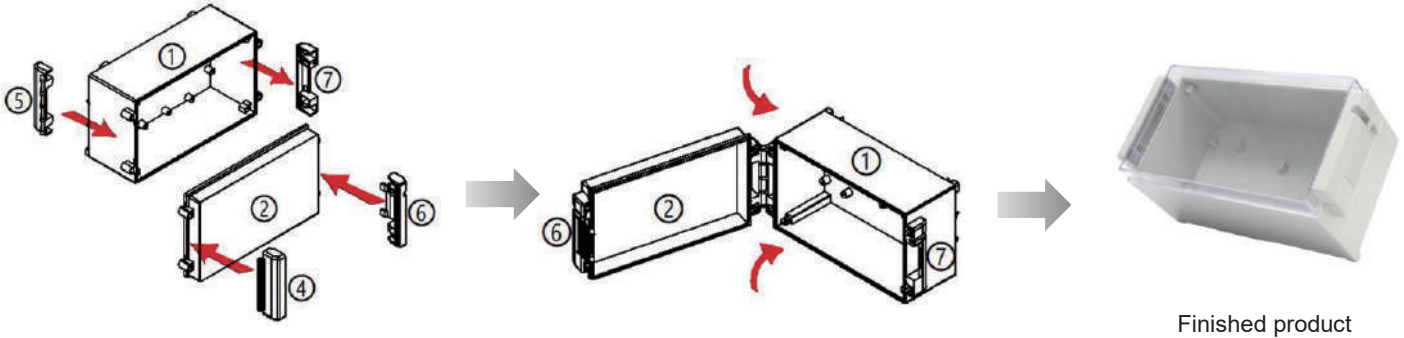


7 Lower locking hook

# ASSEMBLY INSTRUCTION

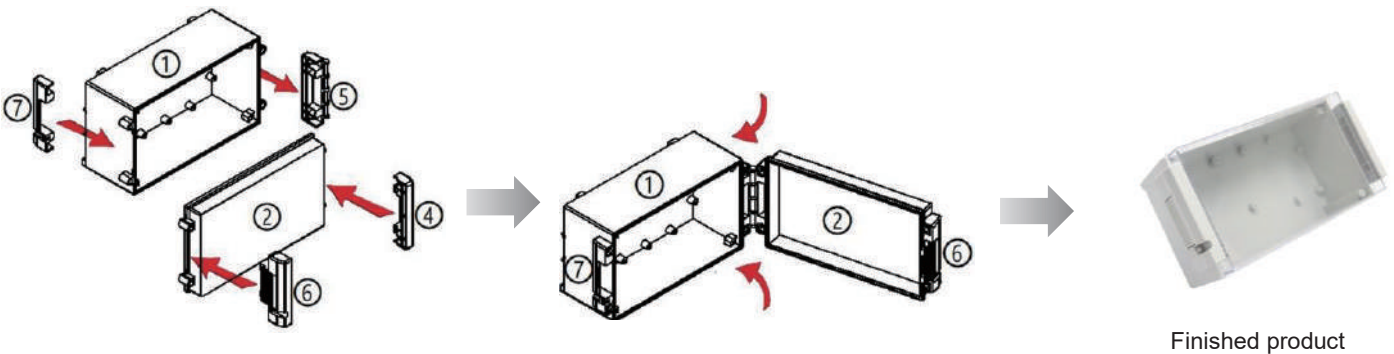
## Left-hand hinge

- 1.To assemble the ⑤ hinge bar on the left side of the ① cabinets.
- 2.To assemble the ⑦ lower locking hook on the right side of the ① cabinets.
- 3.To assemble the ④ hinge clip on the left side of the ② transparent lid.
- 4.To assemble the ⑥ locking hook on the right side of the ② transparent lid.



## Right-hand hinge

- 1.To assemble the ⑦ hinge bar on the left side of the ① cabinets.
- 2.To assemble the ⑤ lower locking hook on the right side of the ① cabinets.
- 3.To assemble the ⑥ hinge clip on the left side of the ② transparent lid.
- 4.To assemble the ④ locking hook on the right side of the ② transparent lid.



## OTHER FEATURES

### Mounting brackets ( Optional )

Can be assembled with the mounting brackets.



MF-001LG(4PCS)



### Designed to assemble with the IP68 cable glands (PG or Metric type).



1. For PG 9 or M12 USE.
2. For PG11 or M16 USE.
3. For PG13.5 or M20 USE.

### Din EN60715 rail (35mm)

Can be assembled with the din EN60715 rail (35mm).



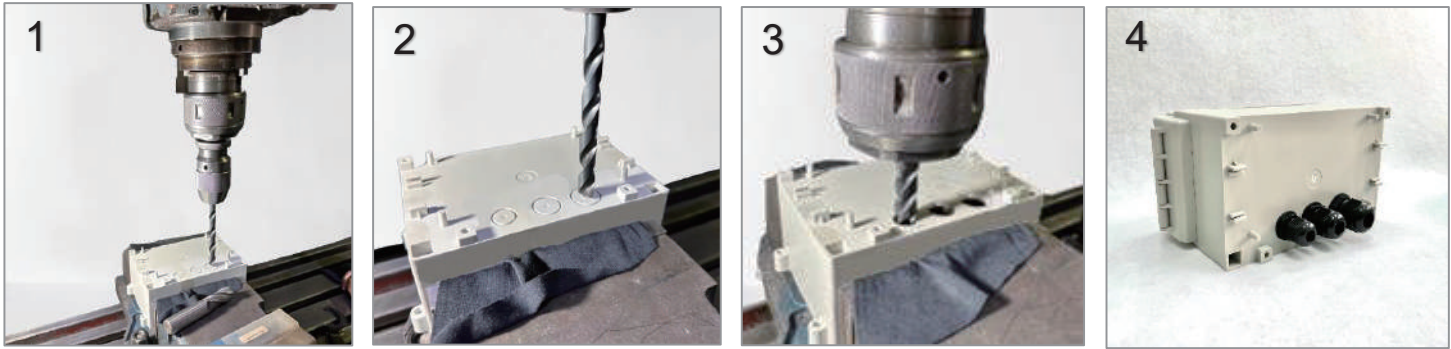
\* not supply

### Designed to assemble with the lock

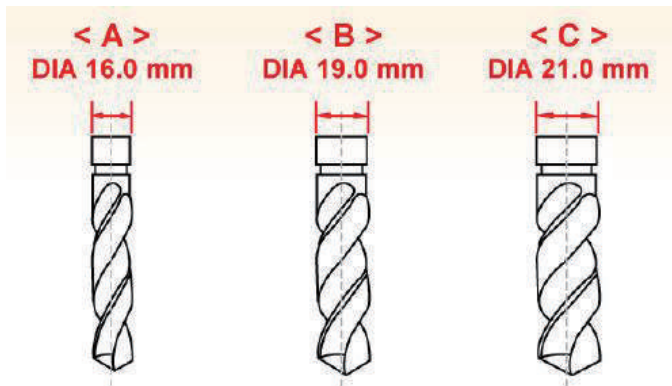


\* lock not supply

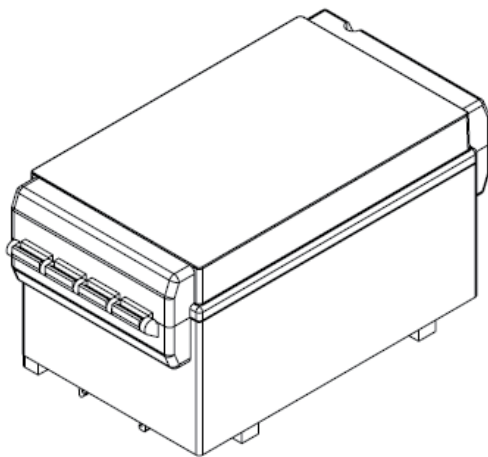
## Example for the drilling & assembly of the cable gland with HGXXX series of plastic box



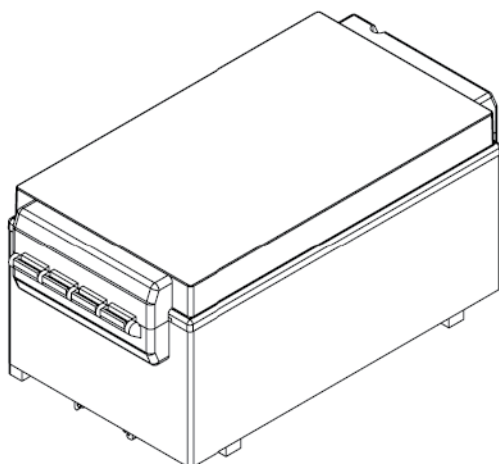
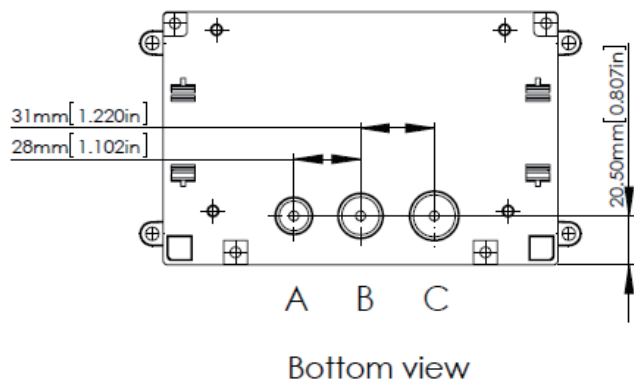
### Recommended bit size



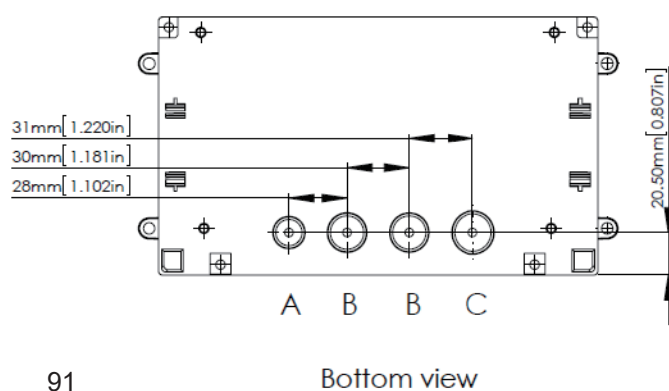
Recommended bit size		Cable Gland
A	DIA 16.0 mm	PG9 ( or M12 )
B	DIA 19.0 mm	PG11 ( or M16 )
C	DIA 21.0 mm	PG13.5 ( or M20 )

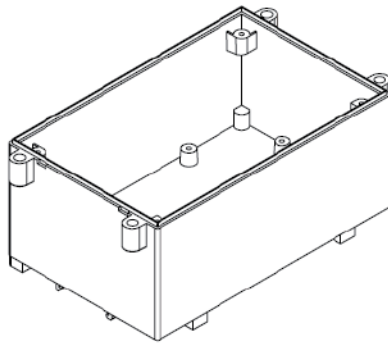
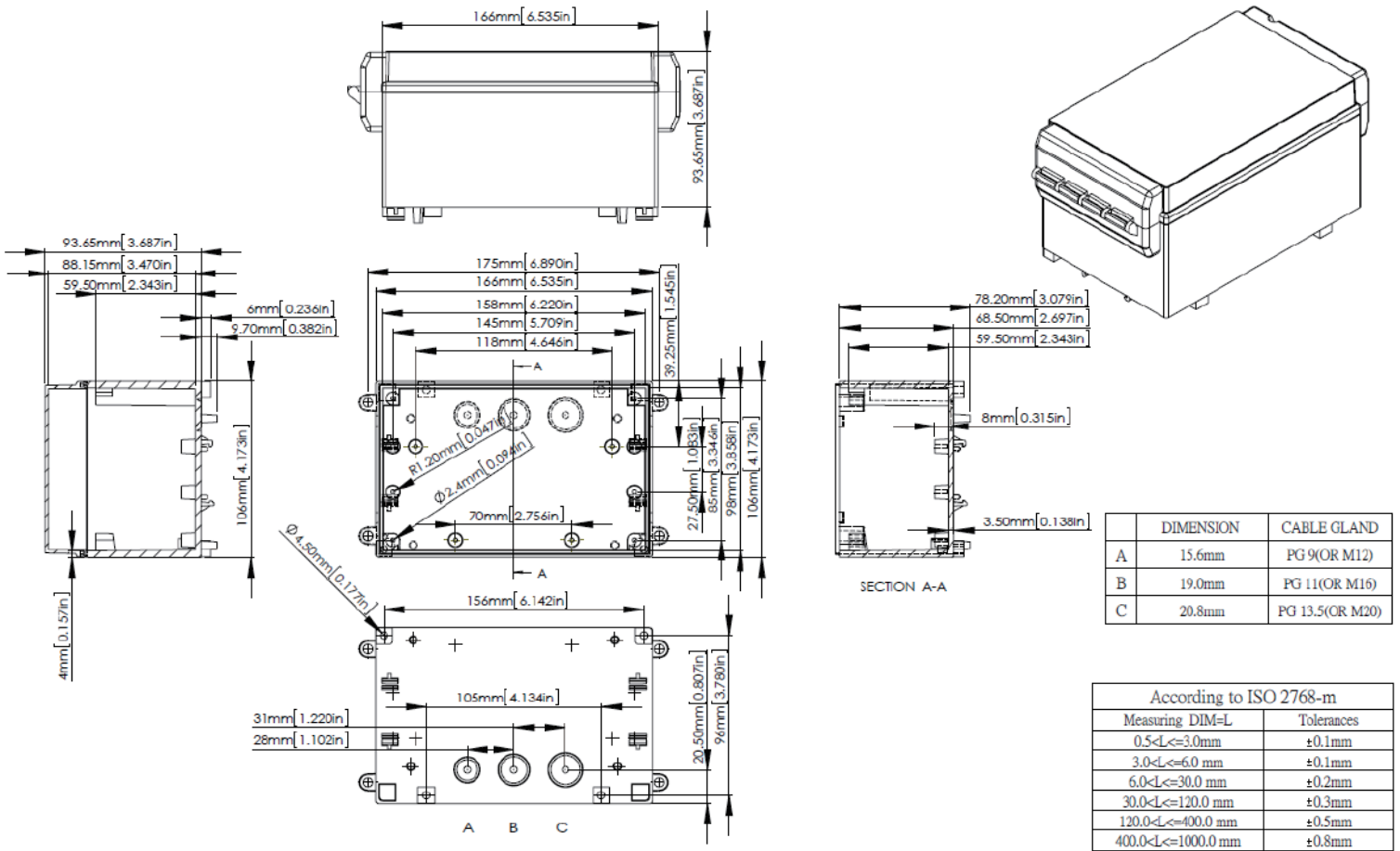


### HGP001, HGP001CBU , HGA001

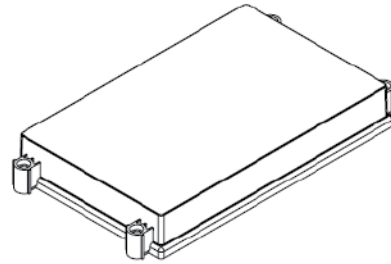


### HGP005, HGP005CBU , HGA005

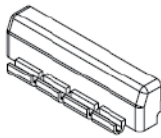




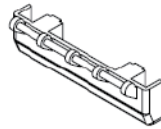
cabinets



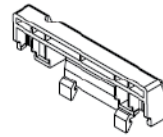
lid



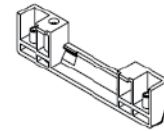
hinge clip



hinge bar



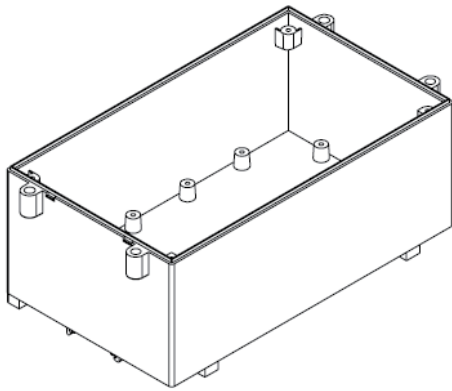
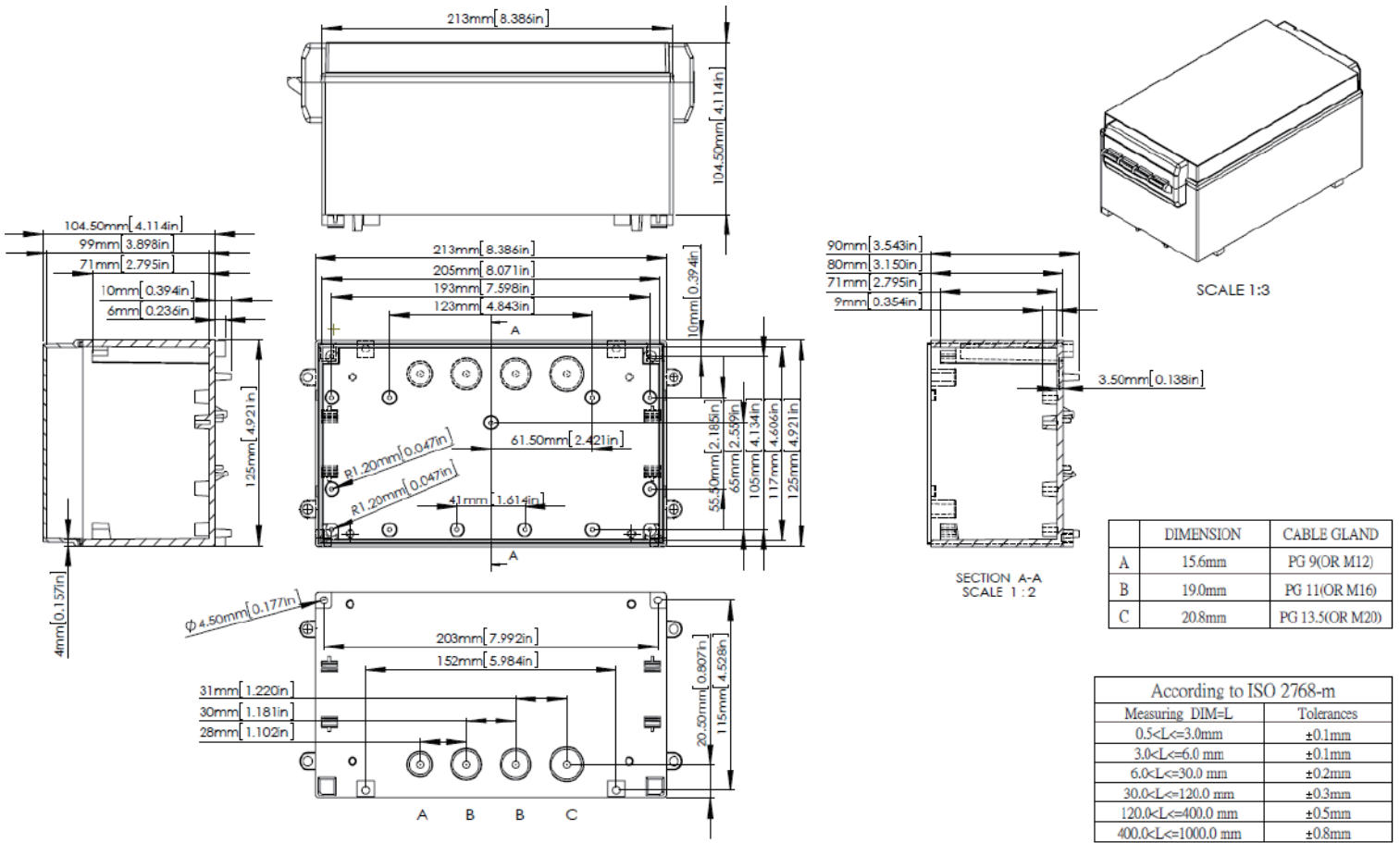
locking hook



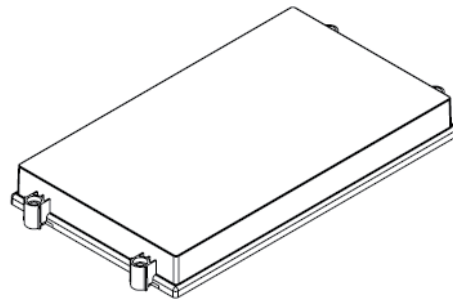
lower locking hook

ITEM	DESCRIPTION	HGP001			HGP001CBU			HGA001		
		MATERIAL	COLOUR	UNIT	MATERIAL	COLOUR	UNIT	MATERIAL	COLOUR	UNIT
1	cabinets	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
2	lid	PC(V0)	CLEAR COVER	1	PC(HB)	transparent blue	1	ABS(HB)	GRAY	1
3	hinge clip	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
4	hinge bar	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
5	locking hook	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
6	lower locking hook	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1

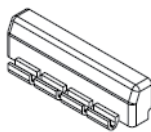
**HGP005 / HGP005CBU / HGA005**



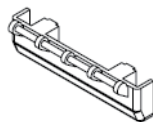
**cabinets**



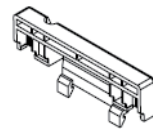
**lid**



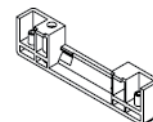
**hinge clip**



**hinge bar**



**locking hook**



**lower locking hook**

ITEM	DESCRIPTION	HGP005			HGP005CBU			HGA005		
		MATERIAL	COLOUR	UNIT	MATERIAL	COLOUR	UNIT	MATERIAL	COLOUR	UNIT
1	cabinets	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
2	lid	PC(V0)	CLEAR COVER	1	PC(HB)	transparent blue	1	ABS(HB)	GRAY	1
3	hinge clip	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
4	hinge bar	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
5	locking hook	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1
6	lower locking hook	PC+ABS(V0)	GRAY	1	ABS(HB)	GRAY	1	ABS(HB)	GRAY	1



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