

IP67 DIE-CAST ALUMINIUM BOXES WITH DUAL CONDUCTIVE AND CONTINUOUS SILICON GASKET

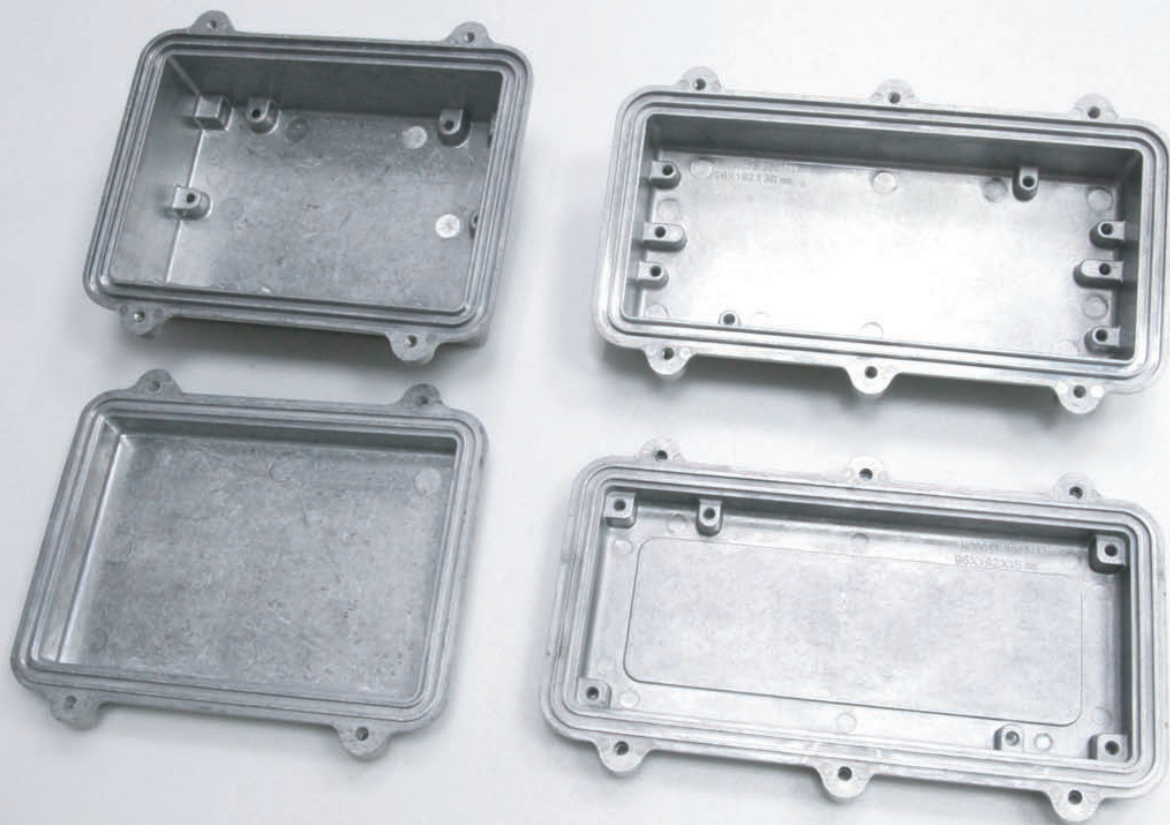


PRODUCT INFORMATION

- Material: aluminium alloy ADC-12 to Japan (JIS)
- Wall mounting holes and fixing screws are outside the sealing area for real sealing Protection.
- M4 countersunk stainless screws are included to seize the cover and the body.
- With continuous silicon gasket to meet IP67 rating of waterproof and dust.
- With conductive gasket for perfect EMI shielding protection.
- Die-casting mounting bracket (ALMF-001) is available.

LIGHT GREY(LG), BLACK(BK) OF POWDER COATED ALUMINIUM ENCLOSURES ARE AVAILABLE FOR ORDERING .
JUST NEED TO ADD THE COLOR CODE AFTER THE ITEM NO.
Ex: HQ001SLG , HQ003SBK , HQ005SLG ,HQ007SBK

HQ0XX SERIES



PRODUCT INFORMATION

- **MATERIAL:** Aluminium alloy ADC-12 to Japan (JIS)
- Wall mounting holes and fixing screws are outside the sealing area for real sealing Protection.
- M4 countersunk stainless screws are included to seize the cover and the body.

LIGHT GREY(LG), BLACK(BK) OF POWDER COATED ALUMINIUM ENCLOSURES ARE AVAILABLE FOR ORDERING. JUST NEED TO ADD THE COLOR CODE AFTER THE ITEM NO.
Ex: HQ001LG , HQ003BK

Example HQ001BK



Content HQ001



ITEM No.	EXTERNAL DIMENSION(mm)
HQ001	96 x 96 x 45
HQ003	96 x 96 x 67
HQ005	192 x 96 x 45
HQ007	192 x 96 x 67
HQ009	274 x 173 x 66
HQ011	274 x 173 x 100
HQ013	150 x 100 x 50
HQ015	150 x 100 x 75
HQ016	152 x 112 x 30
HQ017	200 x 150 x 50
HQ019	200 x 150 x 75
HQ021	200 x 150 x 28
HQ023	152 x 112 x 55
HQ025	162 x 162 x 55
HQ027	162 x 162 x 80
HQ029	202 x 142 x 55
HQ031	202 x 142 x 80
HQ033	262 x 182 x 55
HQ035	262 x 182 x 90

HQ0XXS SERIES



PRODUCT INFORMATION

- Material: aluminium alloy ADC-12 to Japan (JIS)
- Wall mounting holes and fixing screws are outside the sealing area for real sealing Protection.
- M4 countersunk stainless screws are included to seize the cover and the body.
- With continuous silicon gasket to meet IP67 rating of waterproof and dust.

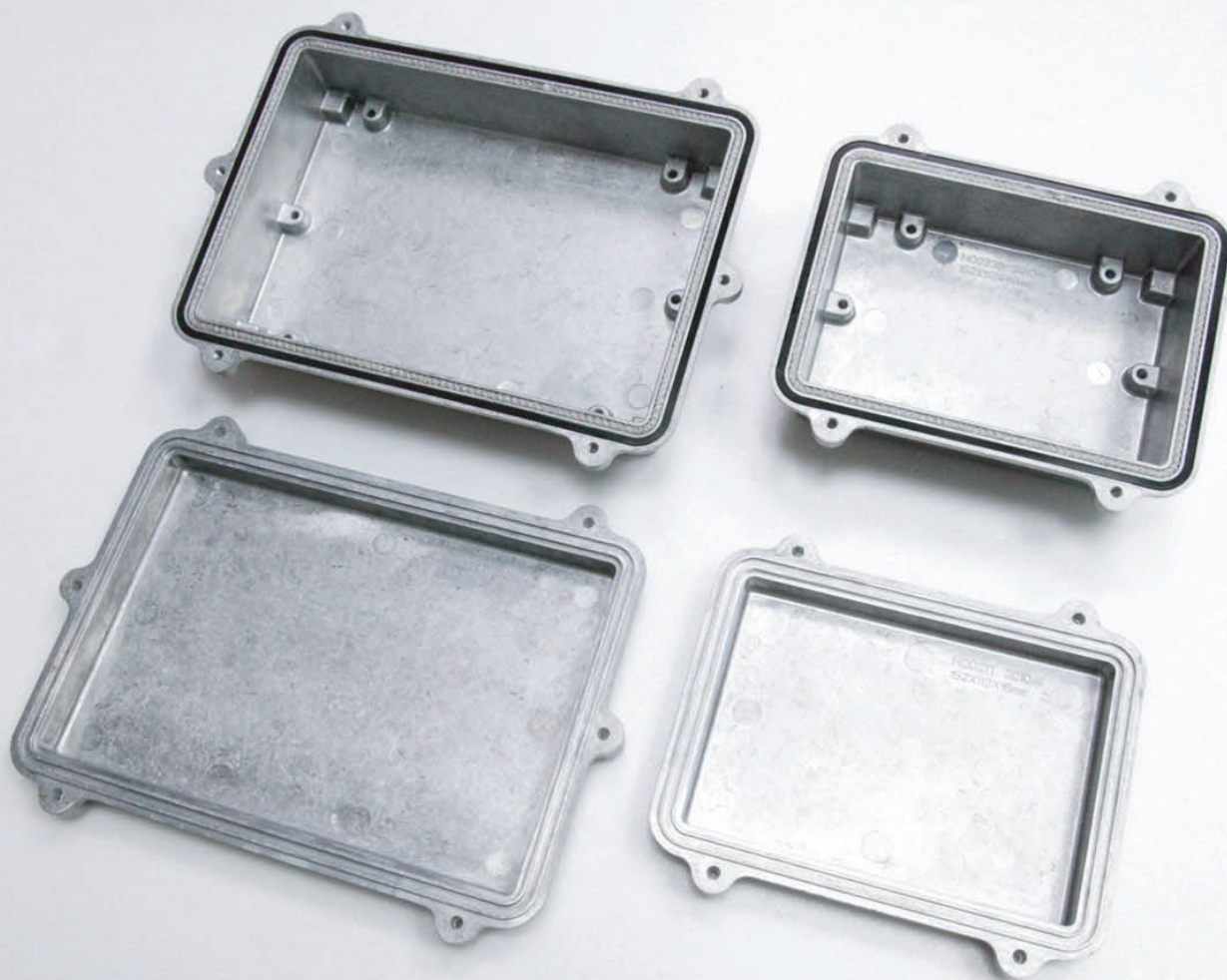
LIGHT GREY(LG), BLACK(BK) OF POWDER COATED ALUMINIUM ENCLOSURES ARE AVAILABLE FOR ORDERING .
JUST NEED TO ADD THE COLOR CODE AFTER THE ITEM NO.
Ex: HQ005SLG ,HQ007SBK

Content HQ007S



ITEM No.	EXTERNAL DIMENSION(mm)
HQ001S	96 x 96 x 45
HQ003S	96 x 96 x 67
HQ005S	192 x 96 x 45
HQ007S	192 x 96 x 67
HQ009S	274 x 173 x 66
HQ011S	274 x 173 x 100
HQ013S	150 x 100 x 50
HQ015S	150 x 100 x 75
HQ016S	200 x 150 x 28
HQ017S	200 x 150 x 50
HQ019S	200 x 150 x 75
HQ021S	152 x 112 x 30
HQ023S	152 x 112 x 55
HQ025S	162 x 162 x 55
HQ027S	162 x 162 x 80
HQ029S	202 x 142 x 55
HQ031S	202 x 142 x 80
HQ033S	262 x 182 x 55
HQ035S	262 x 182 x 90

HQ0XXEMS SERIES



PRODUCT INFORMATION

- Material: Aluminium alloy ADC-12 to Japan (JIS)
- Wall mounting holes and fixing screws are outside the sealing area for real sealing Protection.
- M4 countersunk stainless screws are included to seize the cover and the body.
- With continuous silicon gasket to meet IP67 rating of waterproof and dust.
- With conductive gasket for perfect EMI shielding protection.

LIGHT GREY(LG), BLACK(BK) OF POWDER COATED ALUMINIUM ENCLOSURES ARE AVAILABLE FOR ORDERING .
JUST NEED TO ADD THE COLOR CODE AFTER THE ITEM NO.
Ex: HQ001EMSLG , HQ003EMSBK

Example



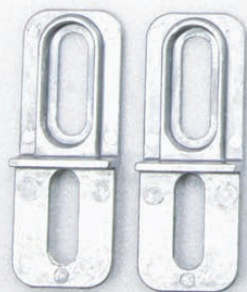
Content HQ005EMS



ITEM No.	EXTERNAL DIMENSION(mm)
HQ001EMS	96 x 96 x 45
HQ003EMS	96 x 96 x 67
HQ005EMS	192 x 96 x 45
HQ007EMS	192 x 96 x 67
HQ009EMS	274 x 173 x 66
HQ011EMS	274 x 173 x 100
HQ013EMS	150 x 100 x 50
HQ015EMS	150 x 100 x 75
HQ017EMS	200 x 150 x 50
HQ019EMS	200 x 150 x 75
HQ016EMS	200 x 150 x 28
HQ021EMS	152 x 112 x 30
HQ023EMS	152 x 112 x 55
HQ025EMS	162 x 162 x 55
HQ027EMS	162 x 162 x 80
HQ029EMS	202 x 142 x 55
HQ031EMS	202 x 142 x 80
HQ033EMS	262 x 182 x 55
HQ035EMS	262 x 182 x 90

Wall Mounting Bracket

For HQ0XX & G1XX series of aluminium boxes use



ALMF-001



ALMF-001LG



ALMF-001BK

Content

ALMF-001 (1 set) includes

4 pcs of mounting brackets & 4 pcs of M5 X10 mm self-tapping screws.

Black & Light grey color of wall mounting bracket are available for ordering.

Ex : ALMF-001BK , ALMF-001LG

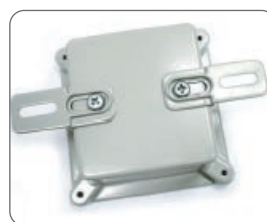


Example

ITEM No.	EXTERNAL DIMENSION(mm)
ALMF-001	53 X 20 X 9



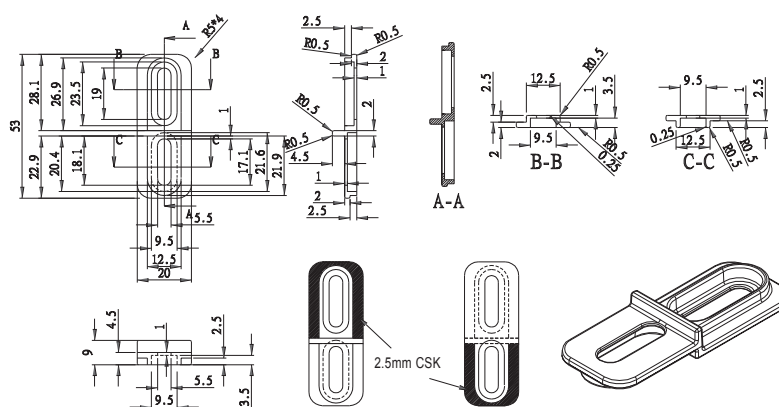
G103
with ALMF-001



HQ003LG
with ALMF-001LG
(Light grey)

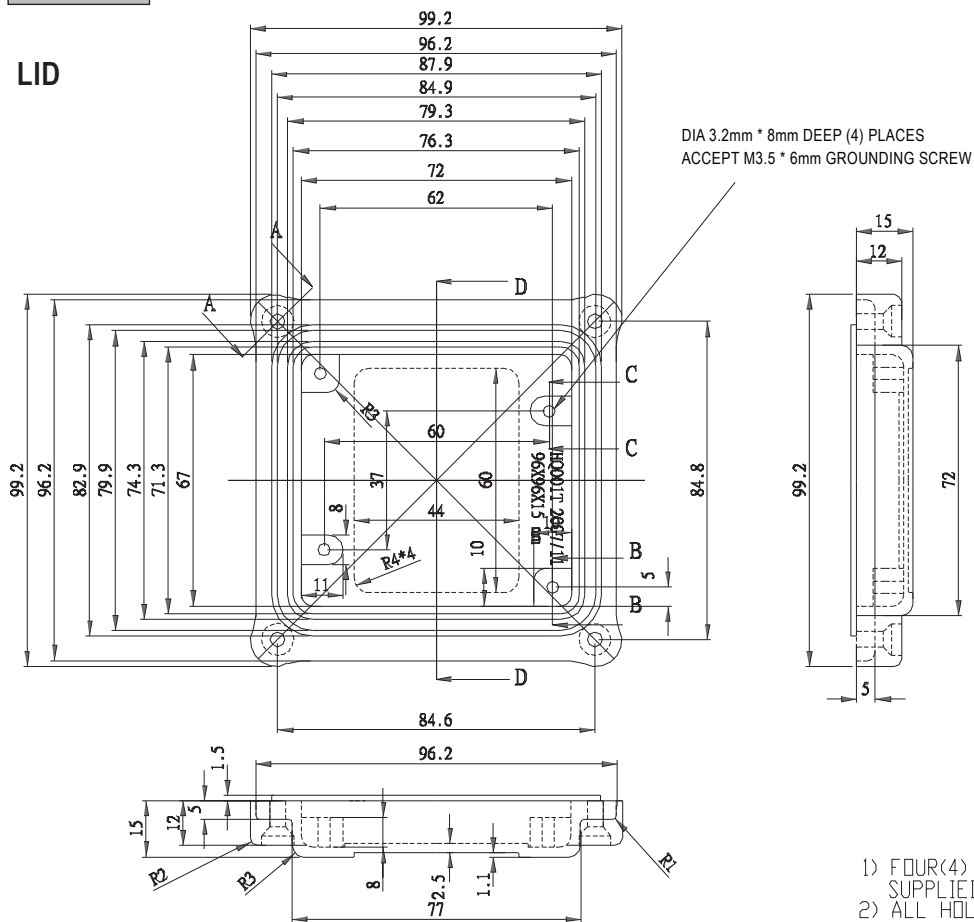


G103BK
with ALMF-001BK
(Black)



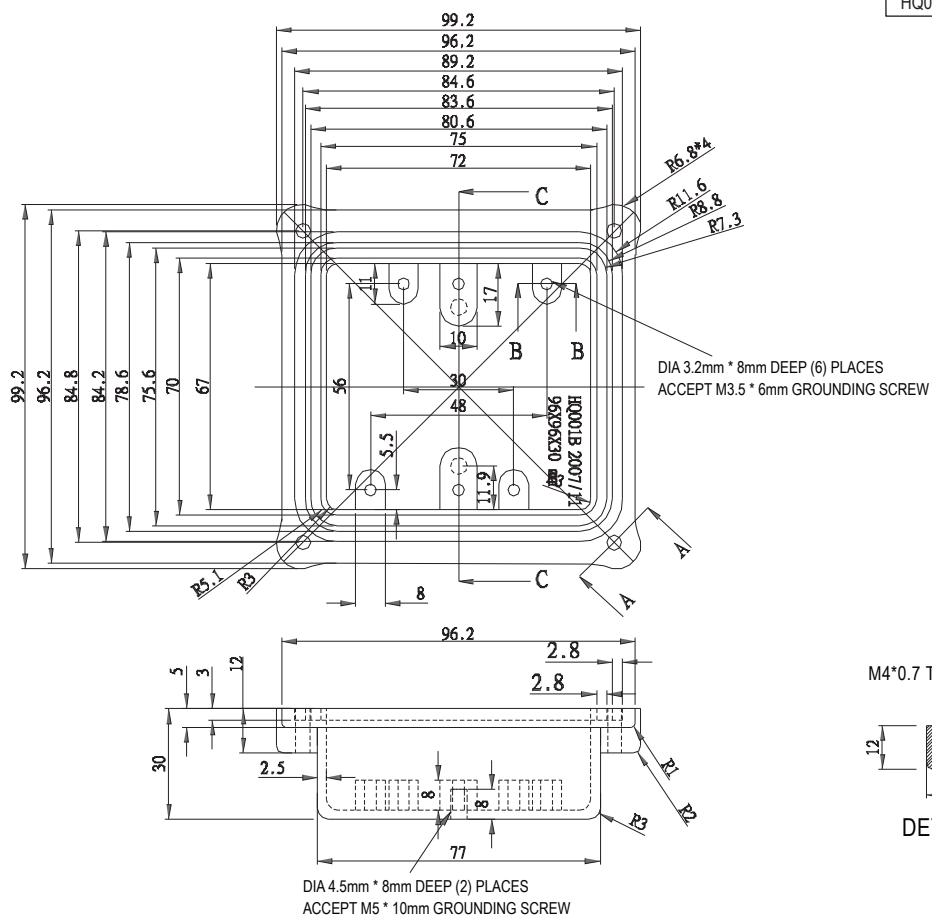
HQ001

LID

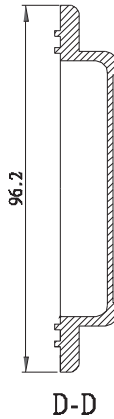
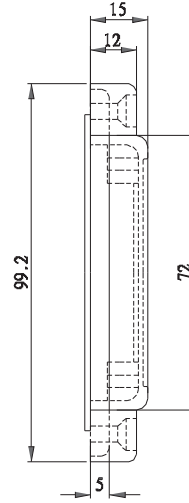
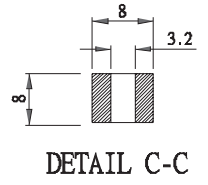
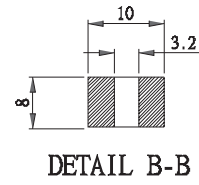
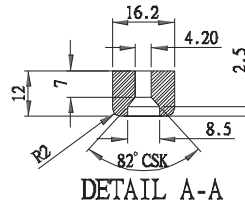
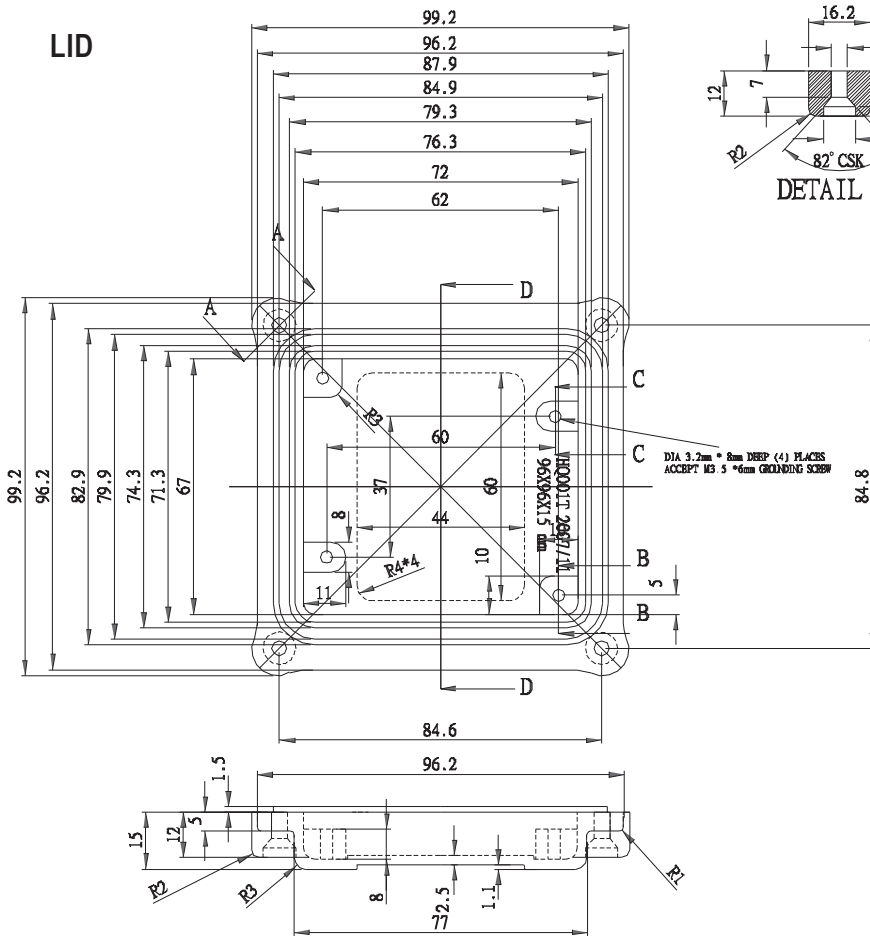


- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

BASE

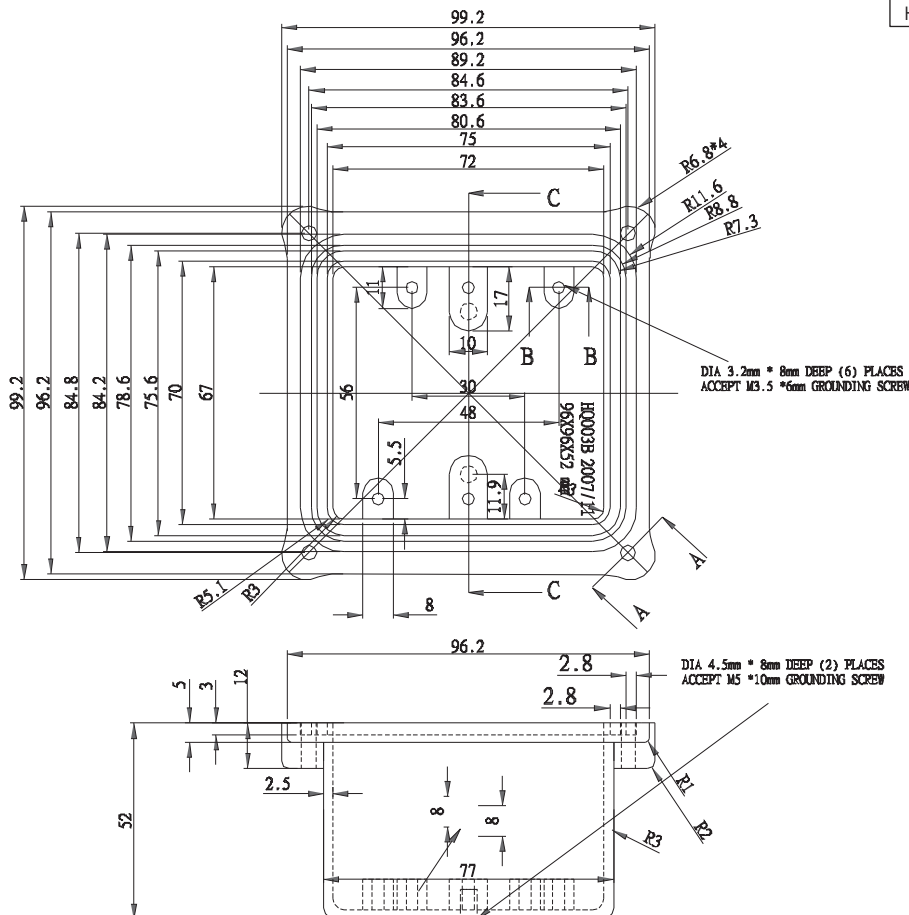


LID

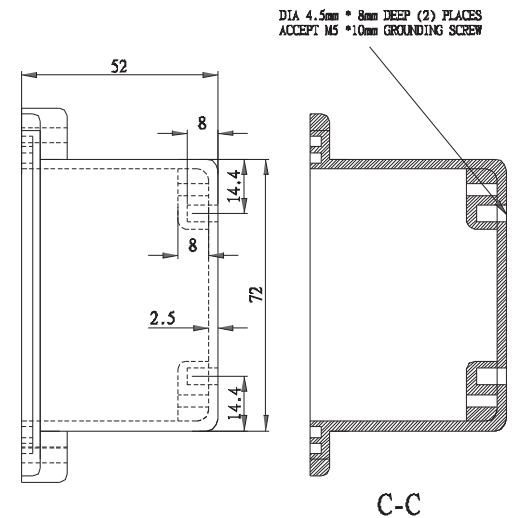


- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE
ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

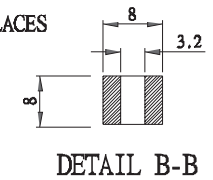
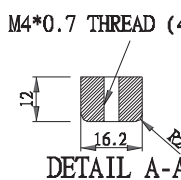
BASE



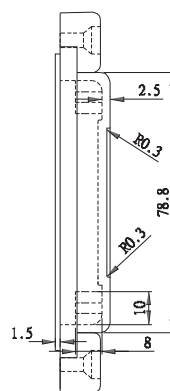
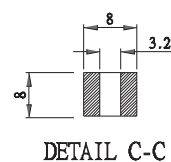
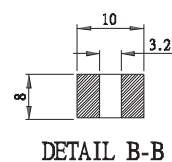
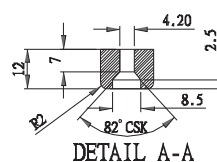
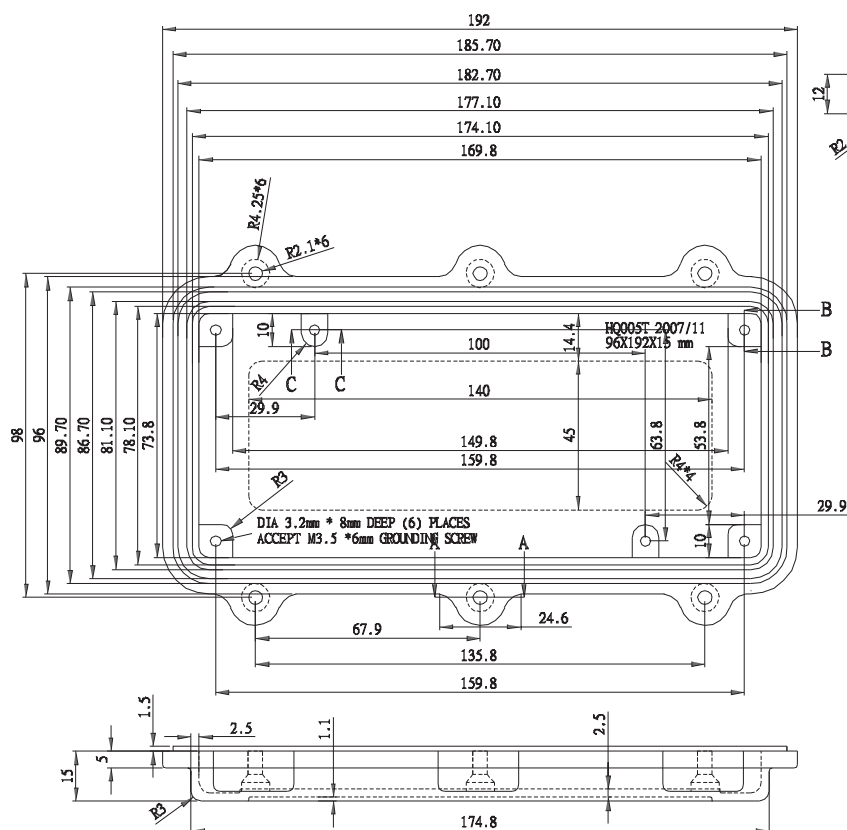
ITEM NO	DESCRIPTION
HQ003	Natural Aluminium Box (without the gasket)
HQ003S	IP67 RATING (with the silicon gasket)
HQ003EMS	IP67 RATING (with the silicon & Shielded gasket)



M4*0.7 THREAD (4) PLACES



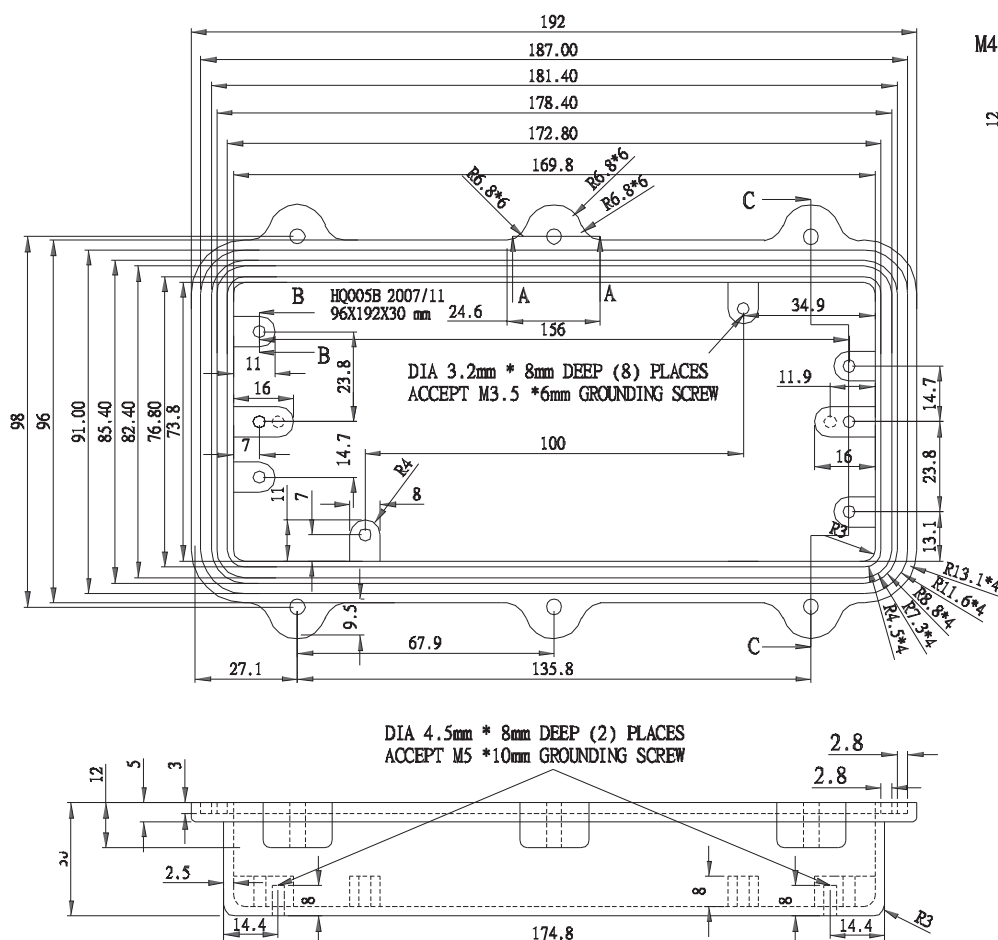
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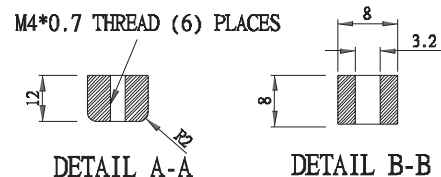
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

ITEM NO	DESCRIPTION
HQ005	Natural Aluminium Box (without the gasket)
HQ005S	IP67 RATING (with the silicon gasket)
HQ005EMS	IP67 RATING (with the silicon & Shielded gasket)

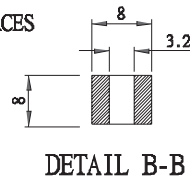
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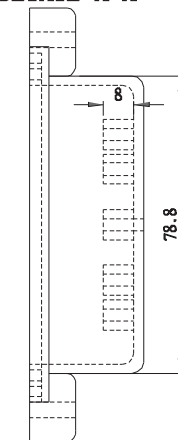
M4*0.7 THREAD (6) PLACES



DETAIL A-A

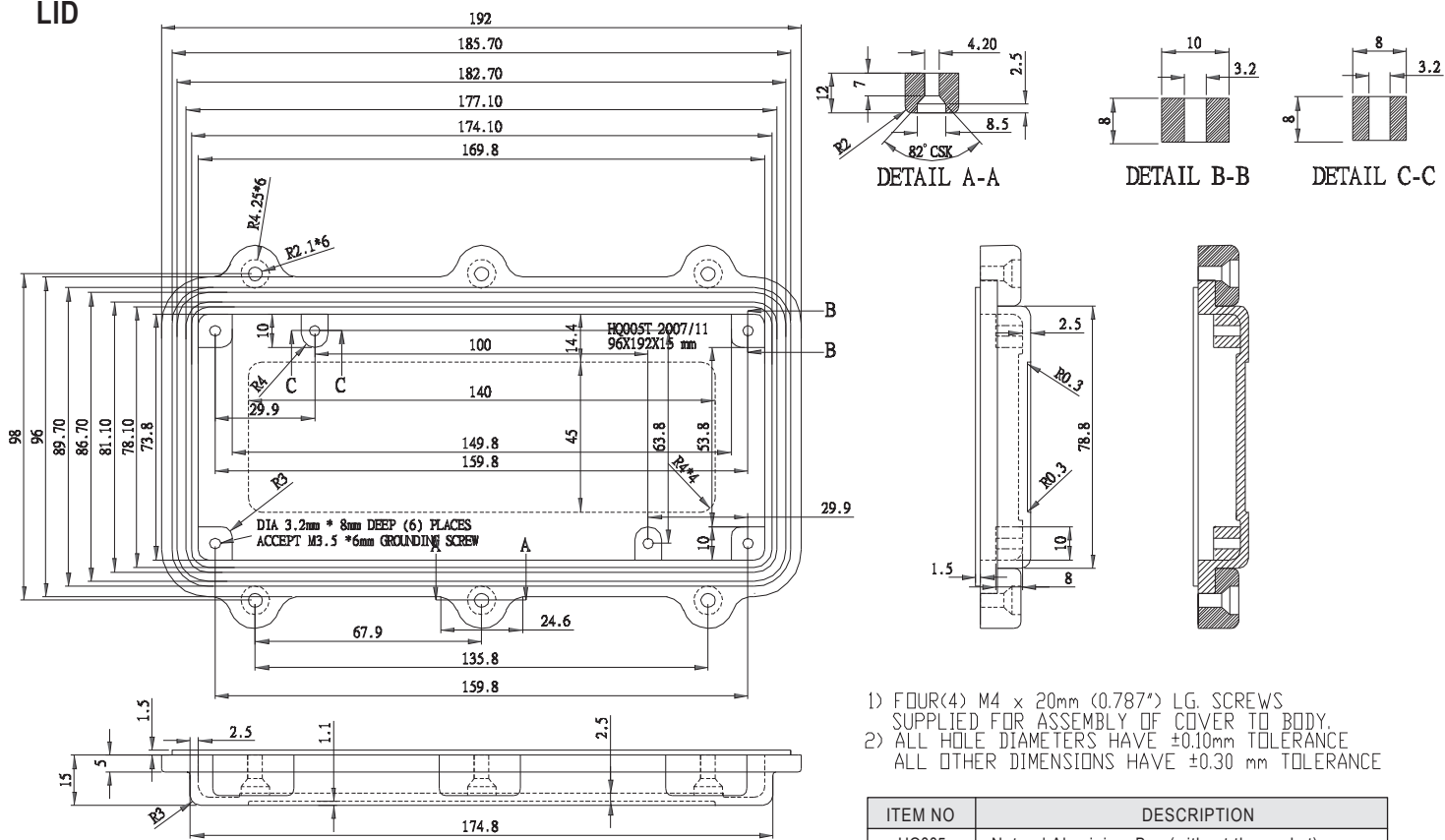


DETAIL B-B



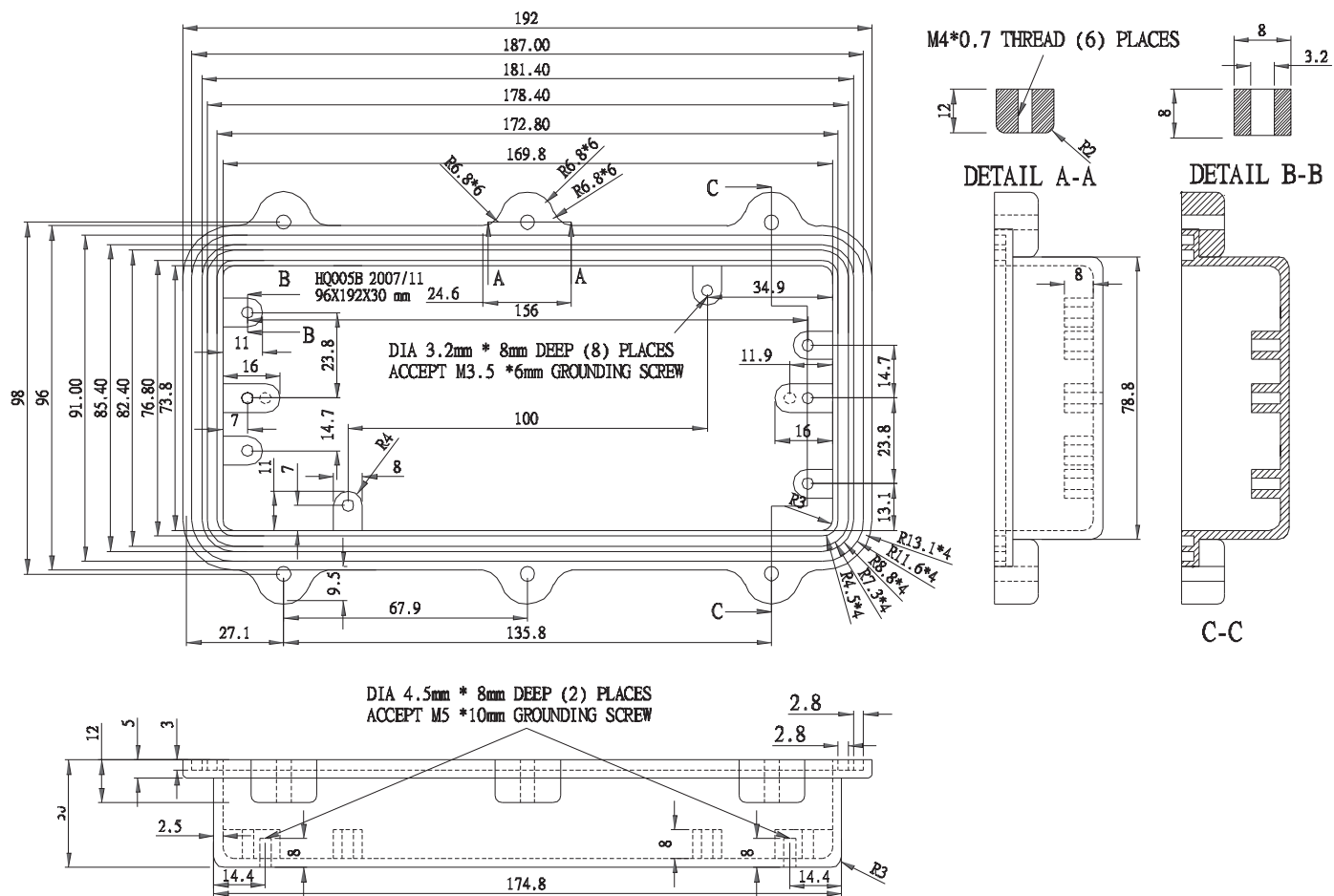
C-C

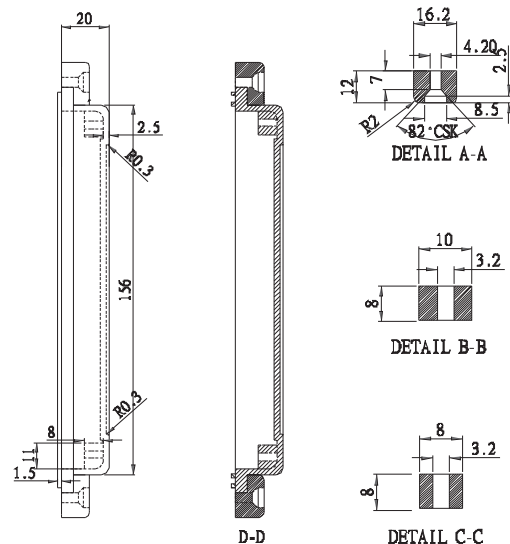
LID



ITEM NO	DESCRIPTION
HQ005	Natural Aluminium Box (without the gasket)
HQ005S	IP67 RATING (with the silicon gasket)
HQ005EMS	IP67 RATING (with the silicon & Shielded gasket)

BASE

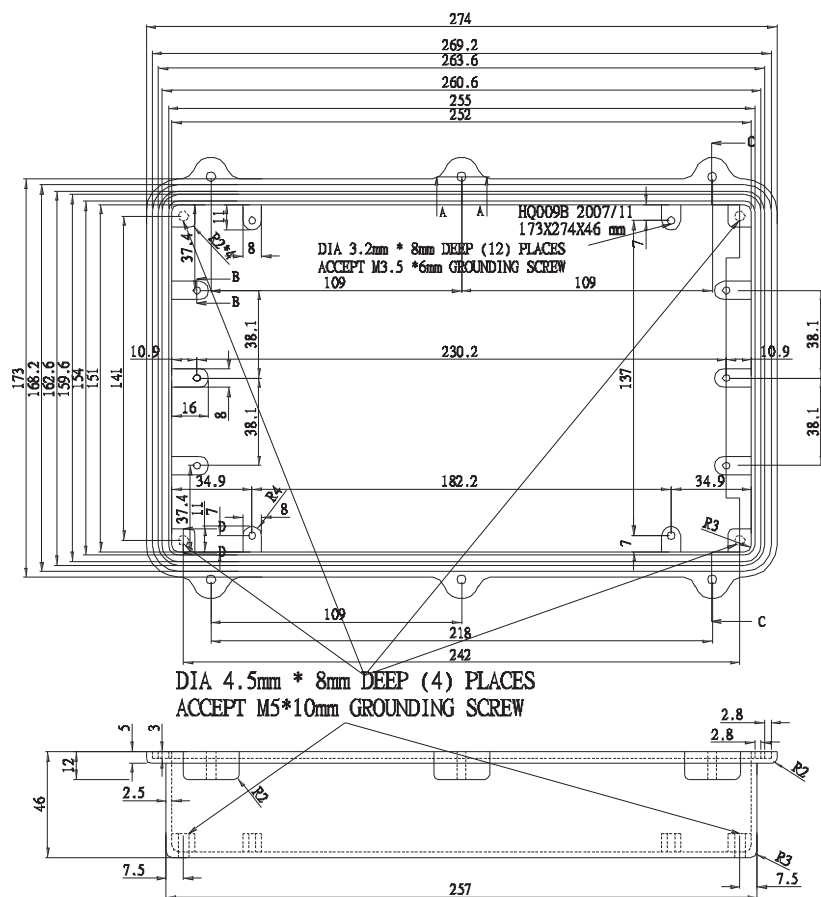




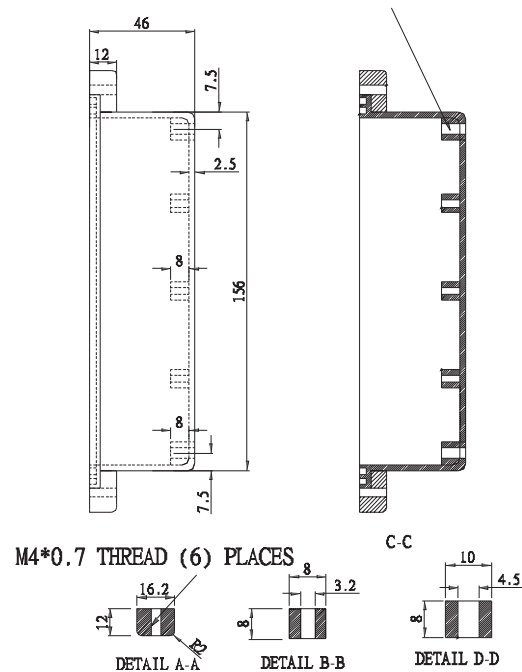
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

ITEM NO	DESCRIPTION
HQ009	Natural Aluminium Box (without the gasket)
HQ009S	IP67 RATING (with the silicon gasket)
HQ009EMS	IP67 RATING (with the silicon & Shielded gasket)

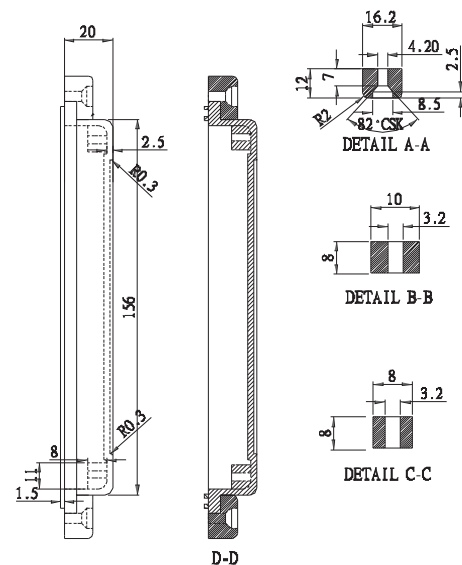
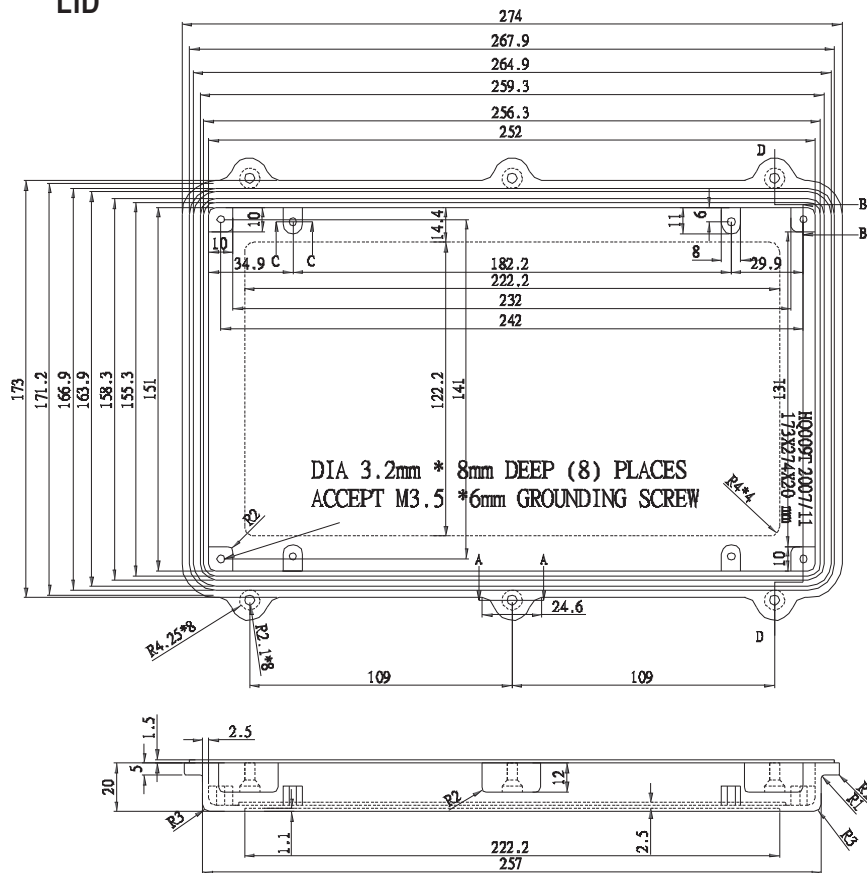
BASE



DIA 4.5mm * 8mm DEEP (4) PLACES
ACCEPT M5*10mm GROUNDING SCREW



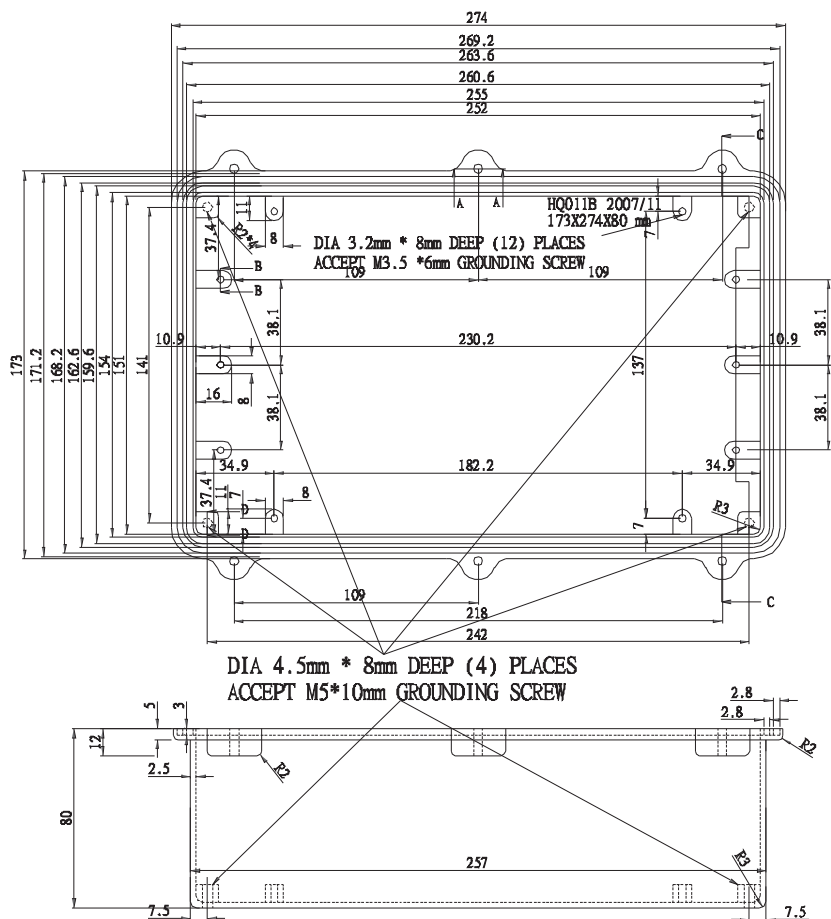
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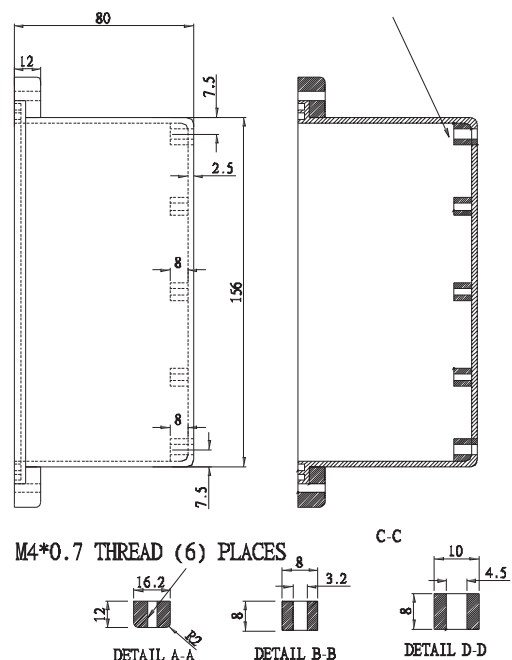
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

ITEM NO	DESCRIPTION
HQ011	Natural Aluminium Box (without the gasket)
HQ011S	IP67 RATING (with the silicon gasket)
HQ011EMS	IP67 RATING (with the silicon & Shielded gasket)

BASE

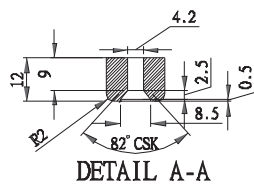
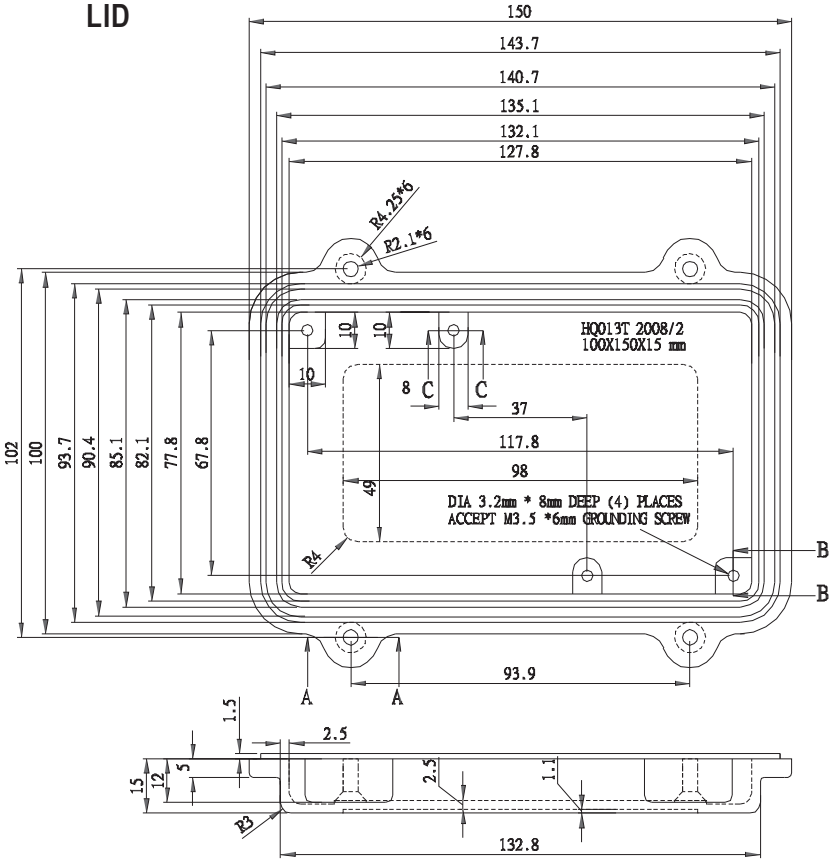


DIA 4.5mm * 8mm DEEP (4) PLACES
ACCEPT M5*10mm GROUNDING SCREW

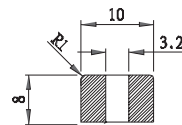


M4*0.7 THREAD (6) PLACES

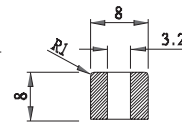
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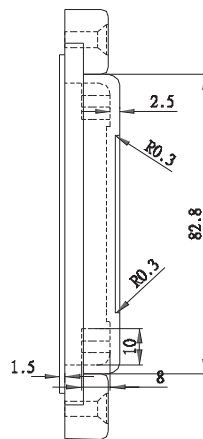
DETAIL A-A



DETAIL B-B



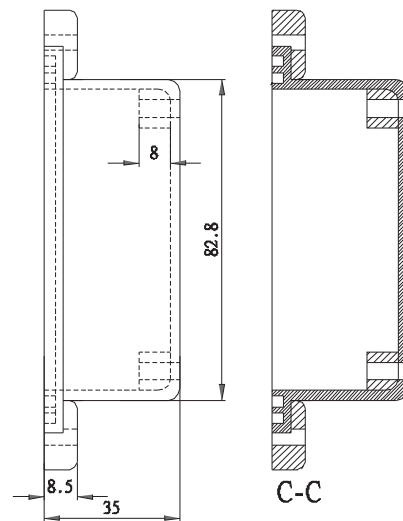
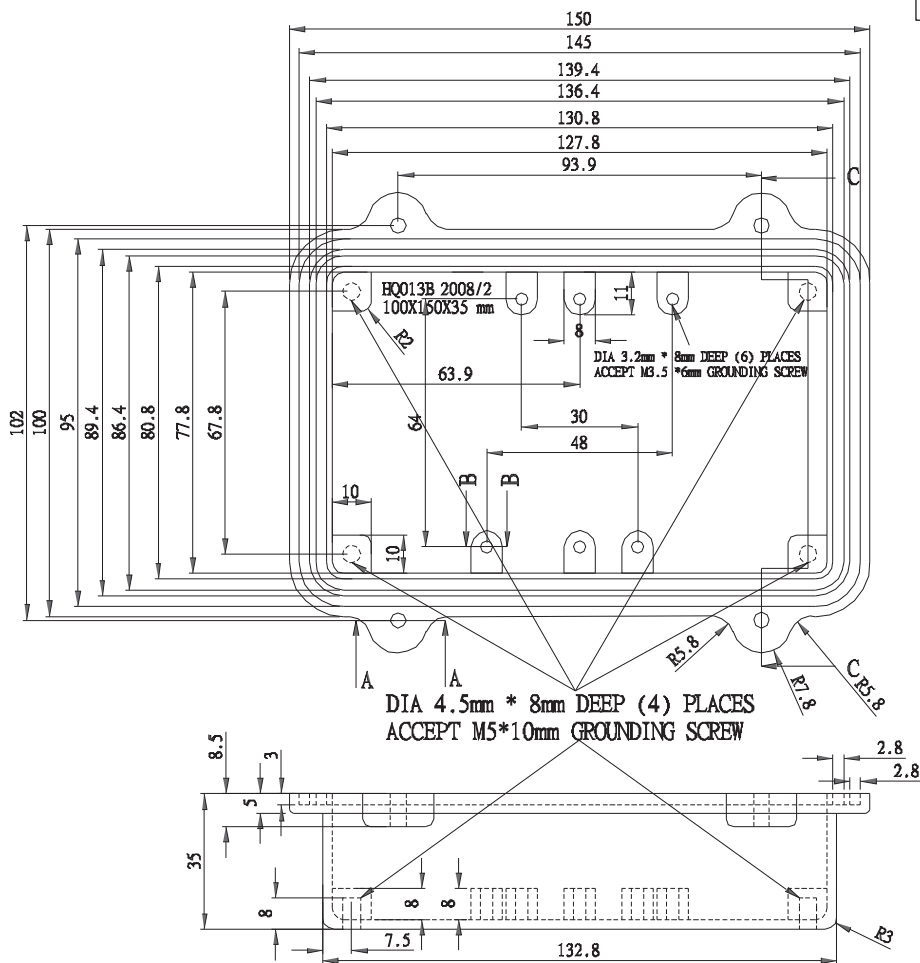
DETAIL C-C



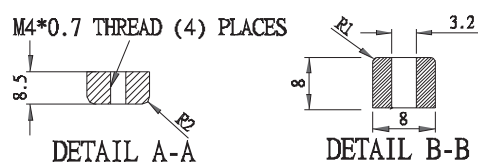
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

ITEM NO	DESCRIPTION
HQ013	Natural Aluminium Box (without the gasket)
HQ013S	IP67 RATING (with the silicon gasket)
HQ013EMS	IP67 RATING (with the silicon & Shielded gasket)

BASE



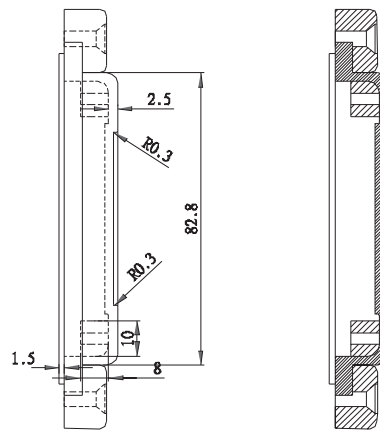
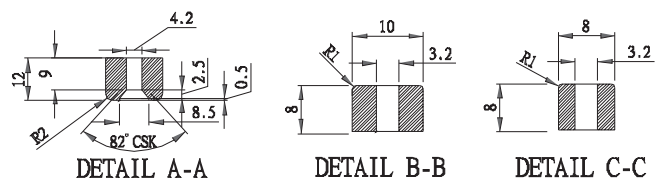
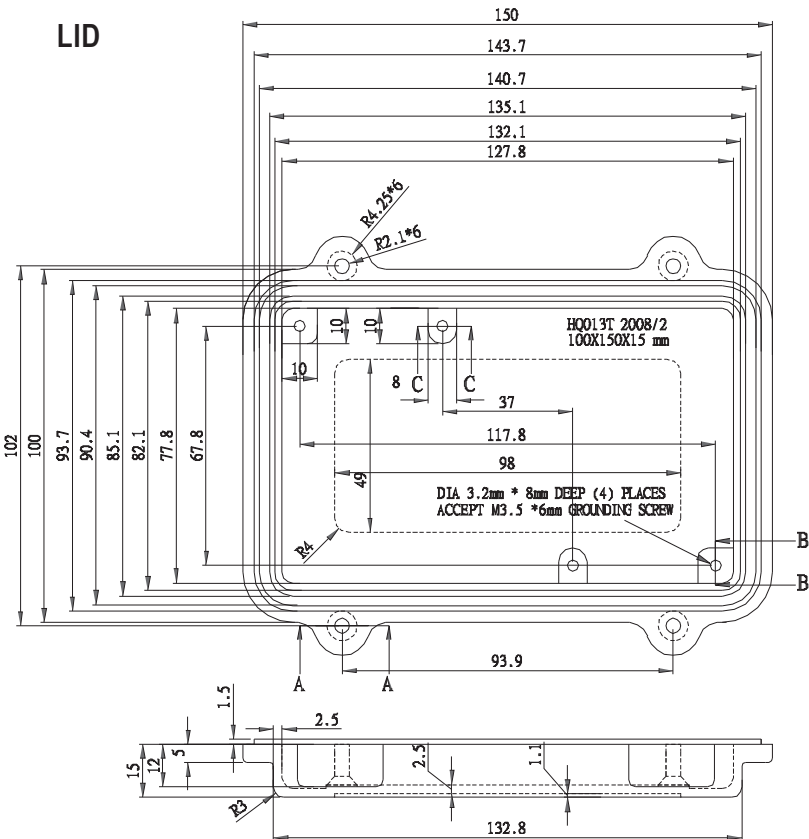
C-C



DETAIL A-A

DETAIL B-B

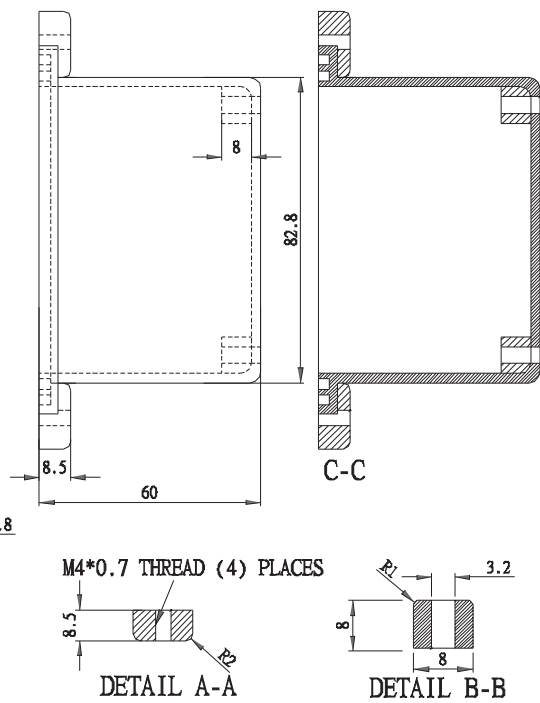
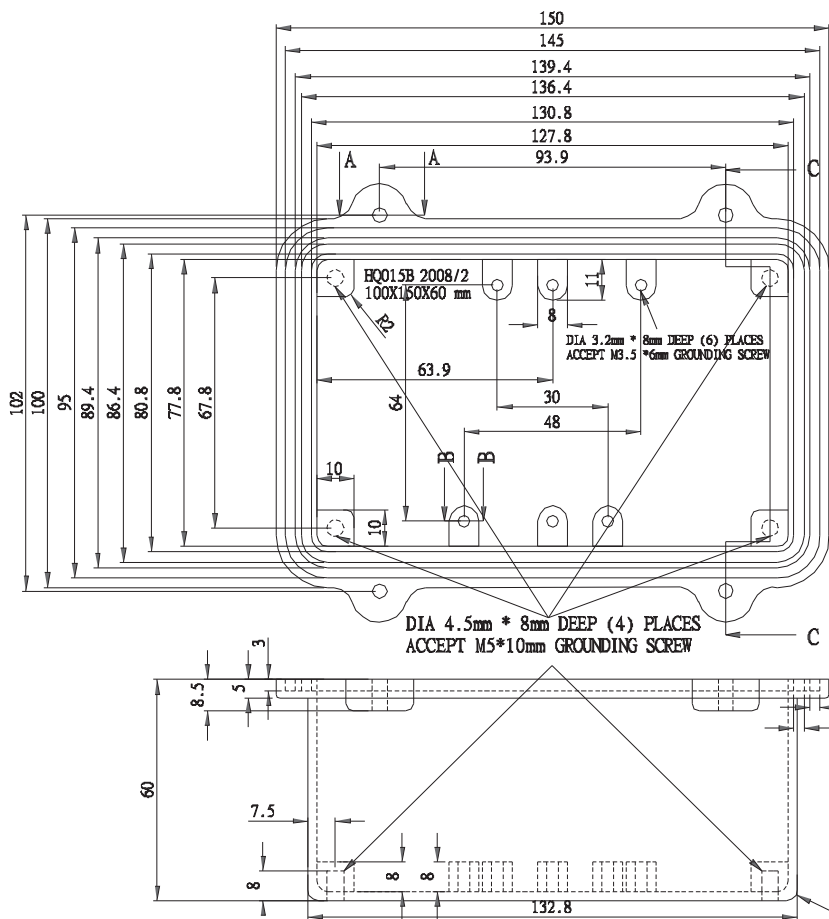
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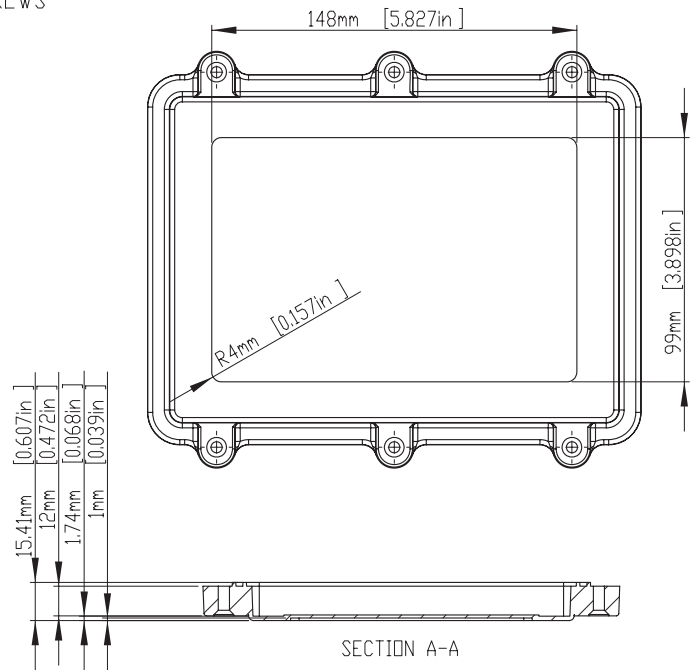
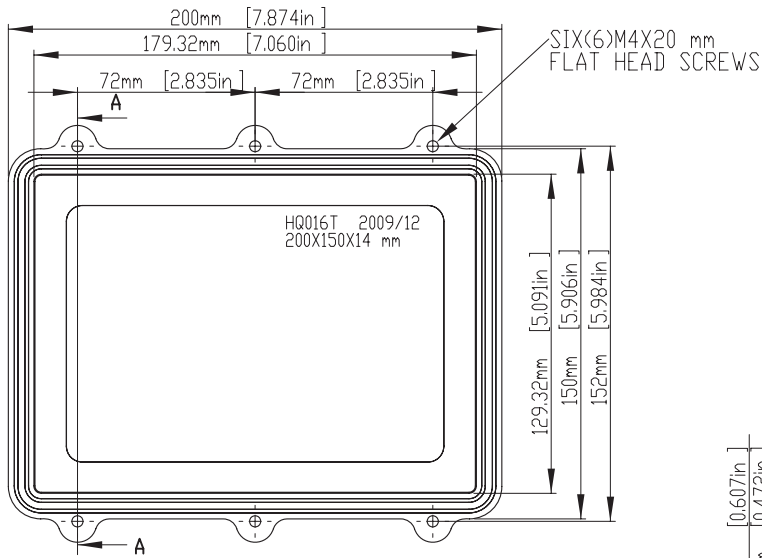
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

ITEM NO	DESCRIPTION
HQ015	Natural Aluminium Box (without the gasket)
HQ015S	IP67 RATING (with the silicon gasket)
HQ015EMS	IP67 RATING (with the silicon & Shielded gasket)

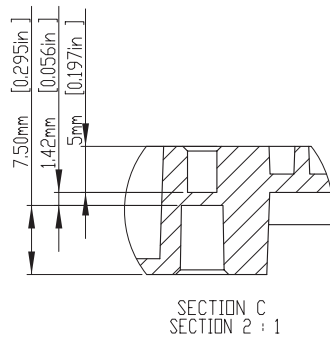
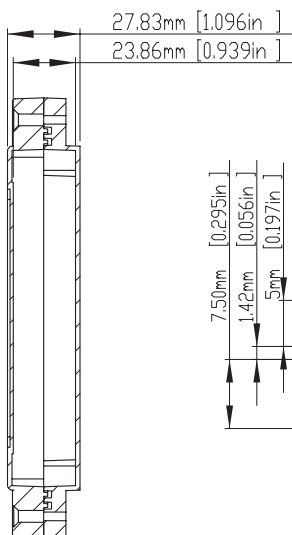
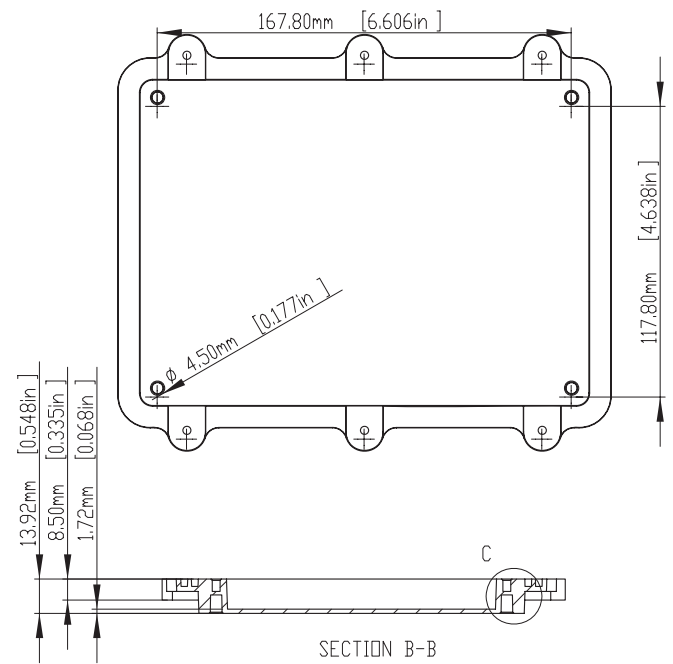
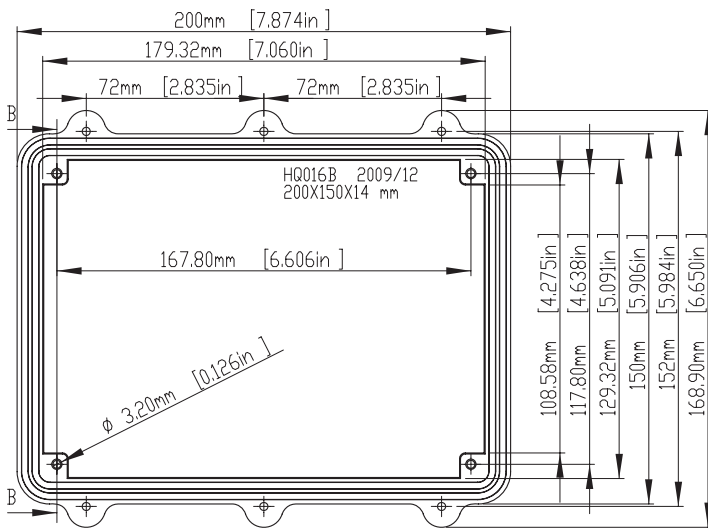
BASE



LID



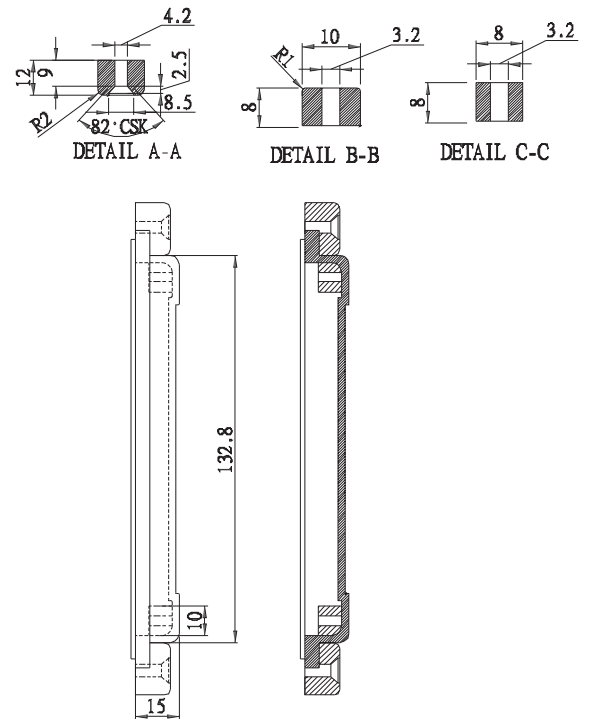
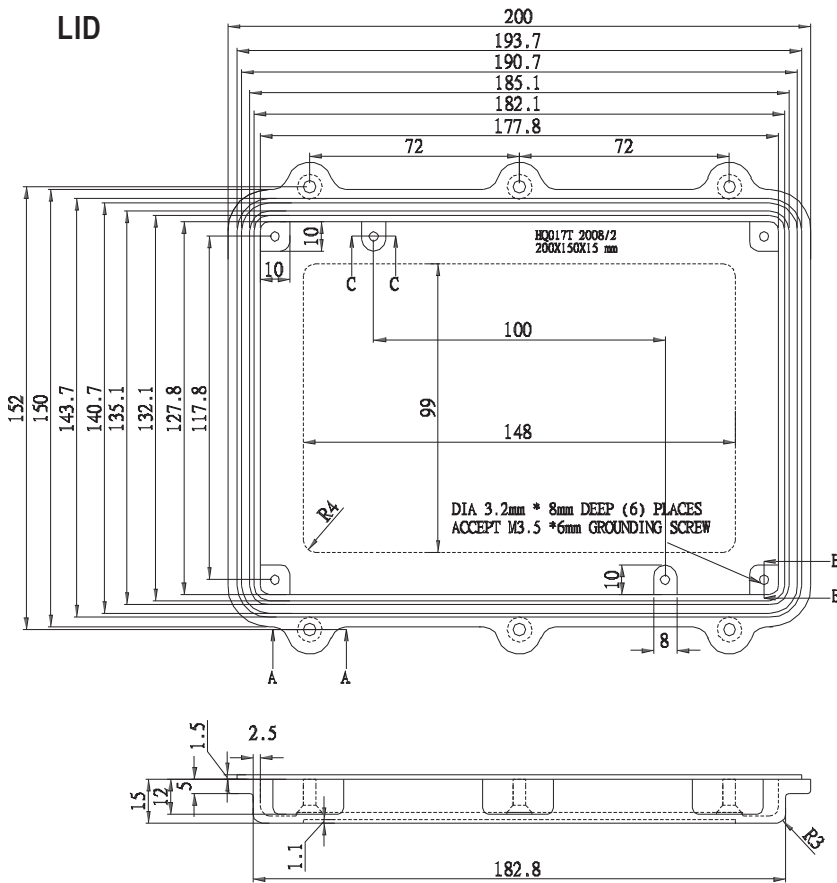
BASE



- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ±0.10mm TOLERANCE ALL OTHER DIMENSIONS HAVE ±0.30 mm TOLERANCE

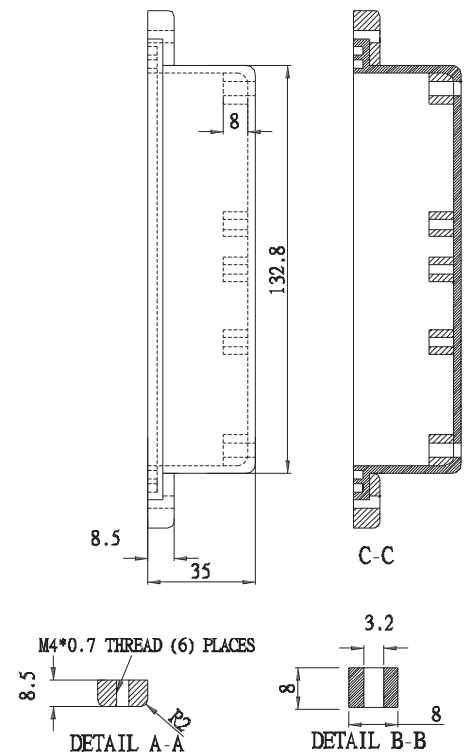
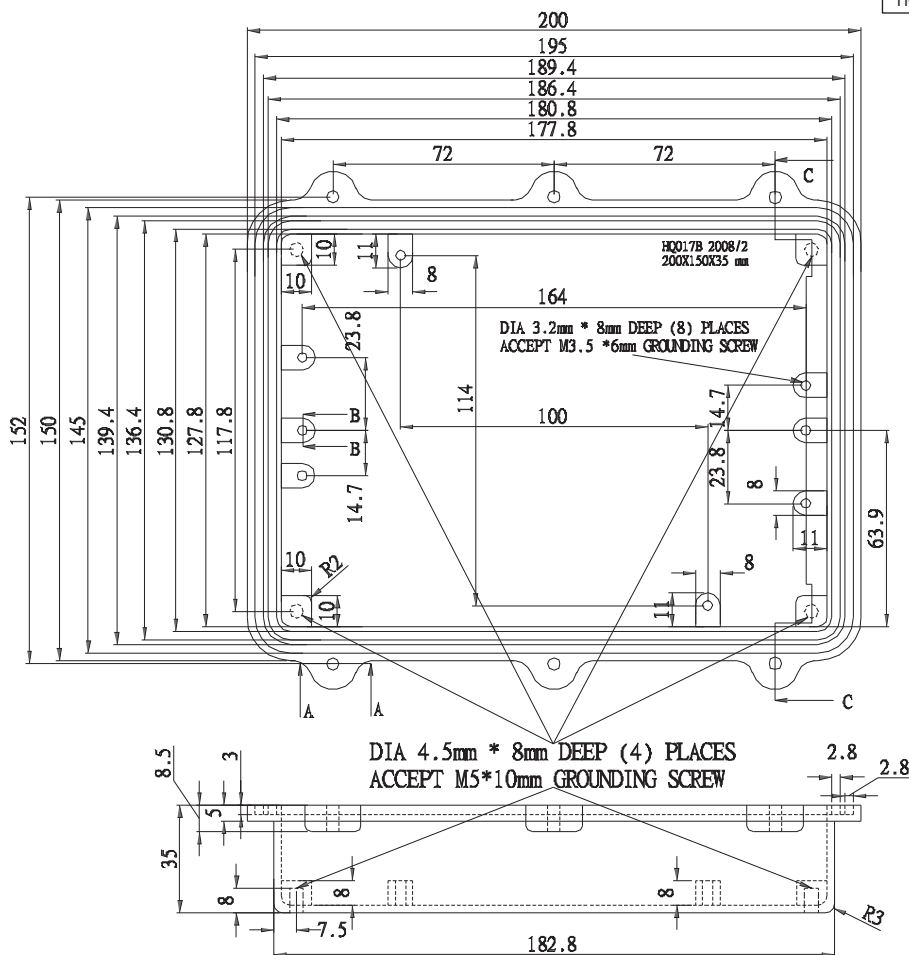
ITEM NO	DESCRIPTION
HQ016	Natural Aluminium Box (without the gasket)
HQ016S	IP67 RATING (with the silicon gasket)
HQ016EMS	IP67 RATING (with the silicon & Shielded gasket)

LID



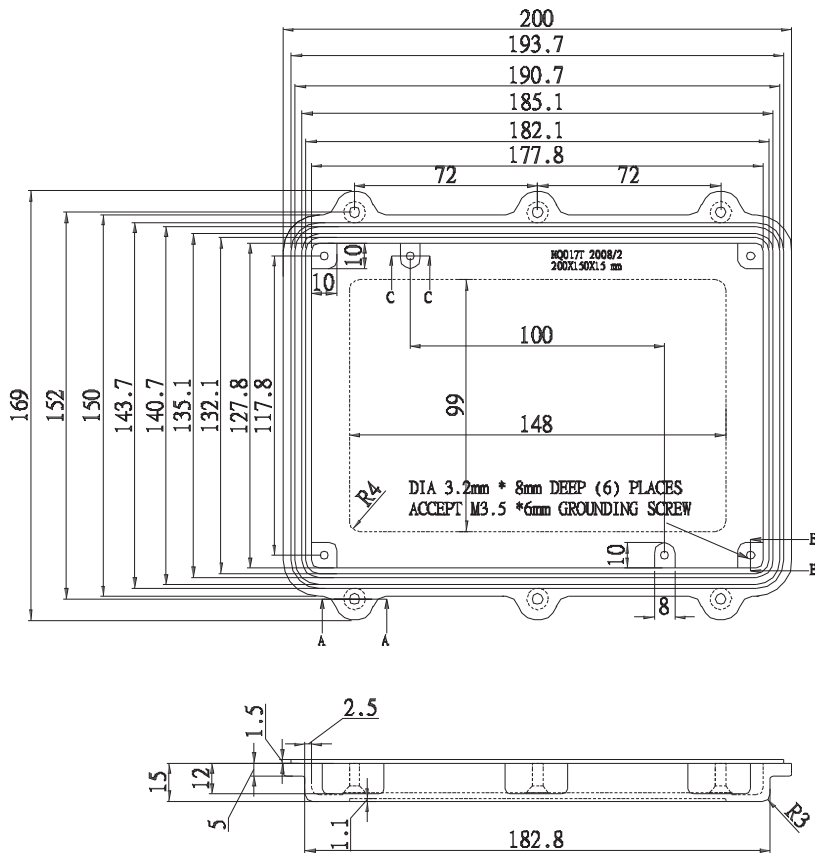
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

BASE



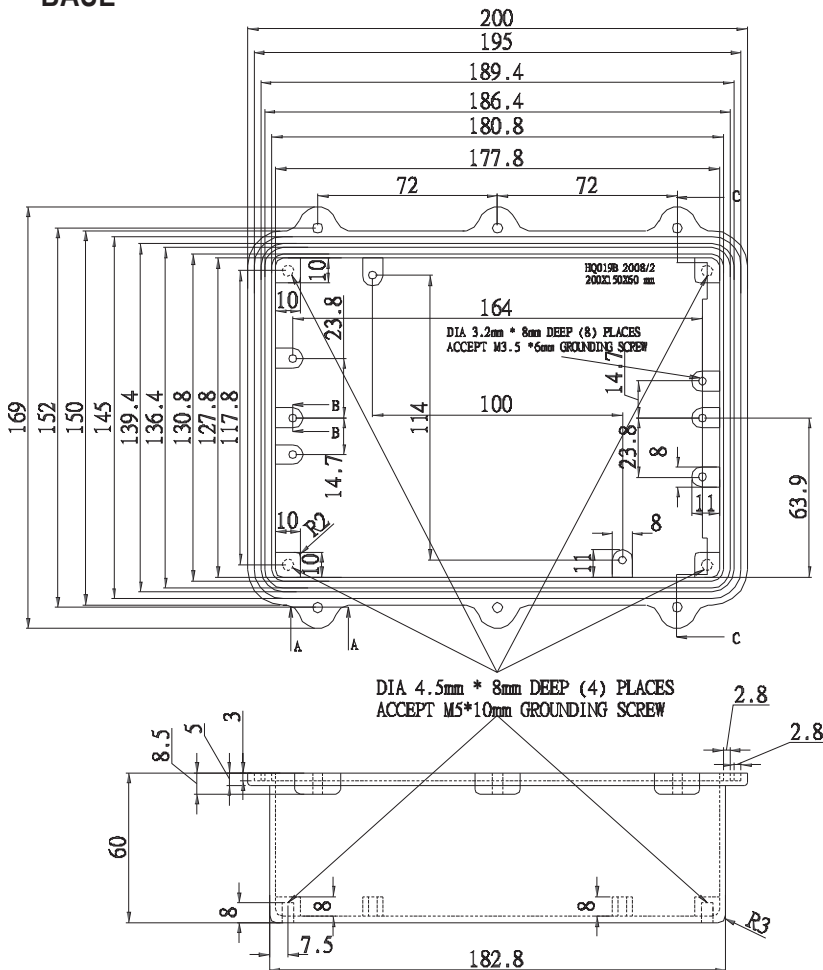
ITEM NO	DESCRIPTION
HQ017	Natural Aluminium Box (without the gasket)
HQ017S	IP67 RATING (with the silicon gasket)
HQ017EMS	IP67 RATING (with the silicon & Shielded gasket)

LID

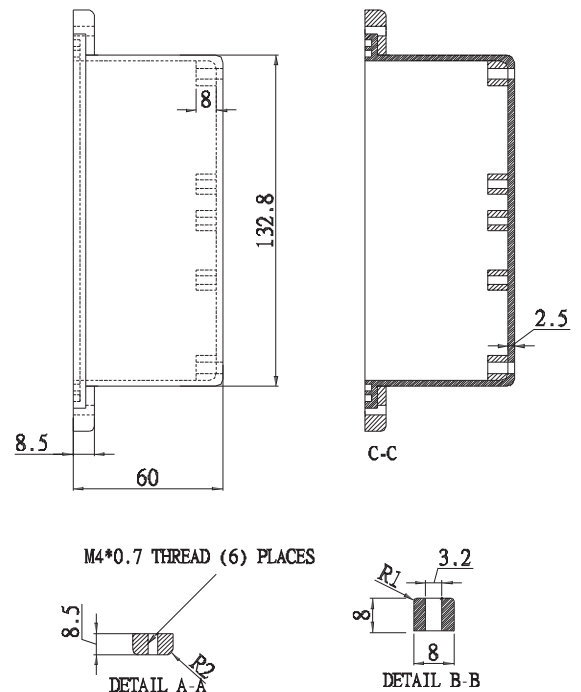


- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE. ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

BASE

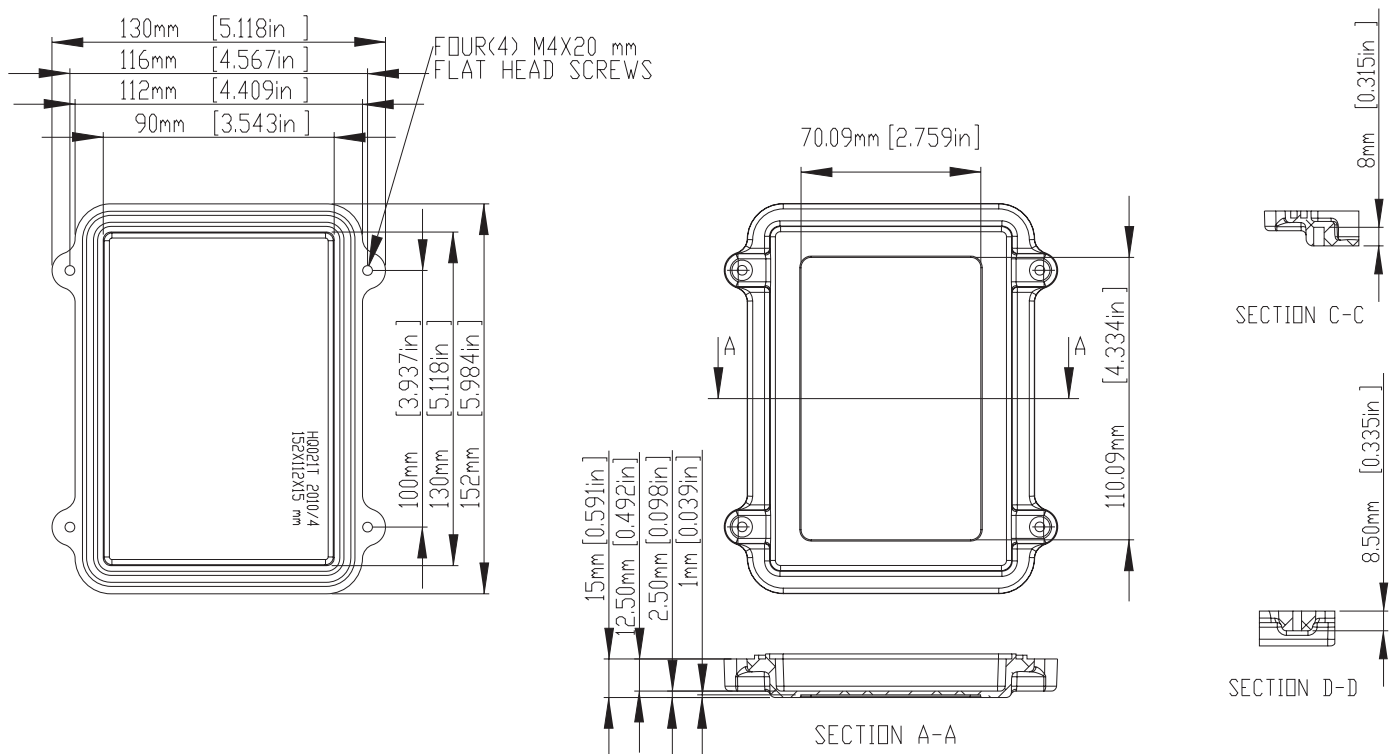


ITEM NO	DESCRIPTION
HQ019	Natural Aluminium Box (without the gasket)
HQ019S	IP67 RATING (with the silicon gasket)
HQ019EMS	IP67 RATING (with the silicon & Shielded gasket)

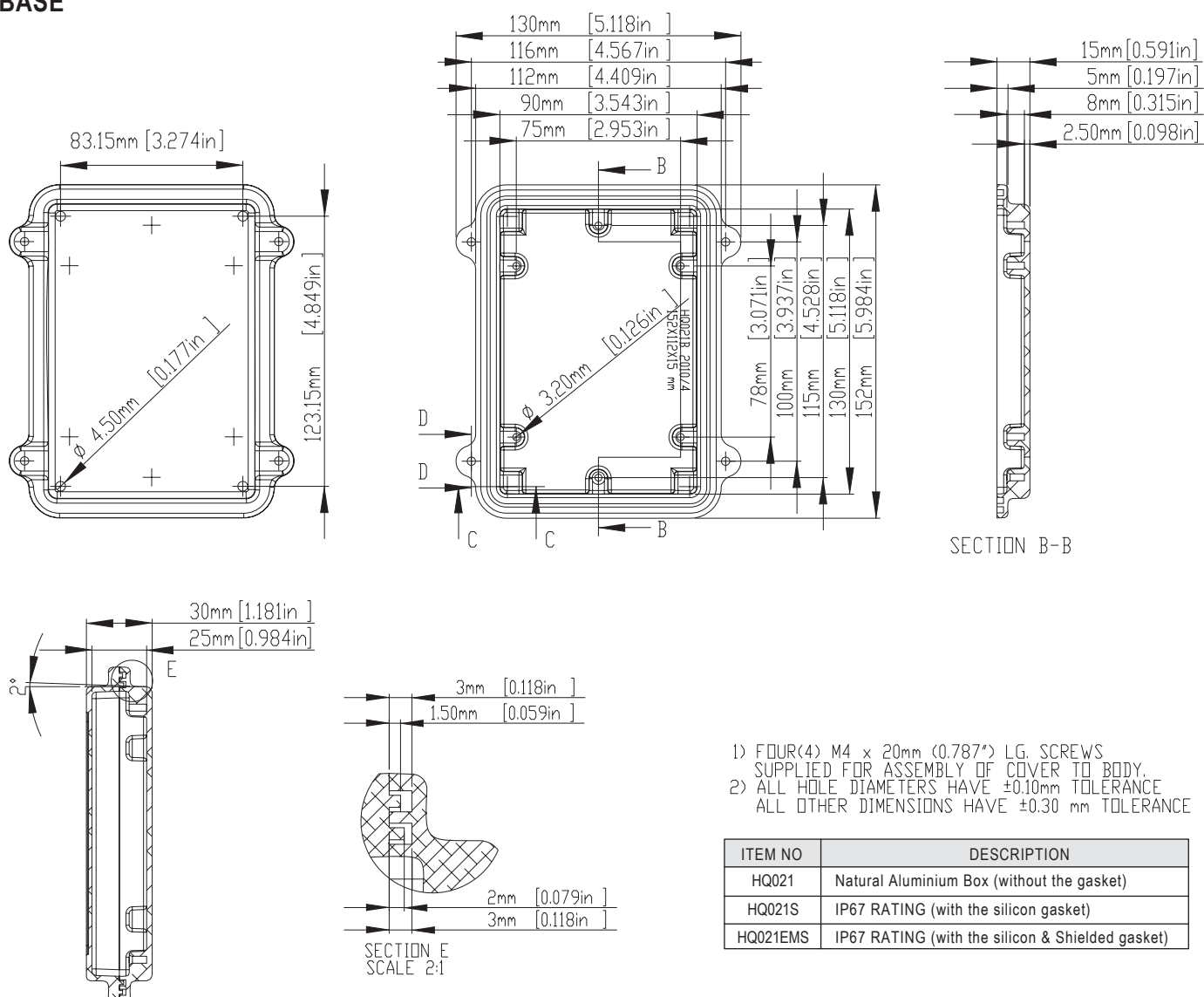


HQ021

LID

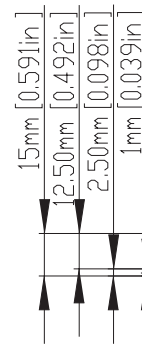
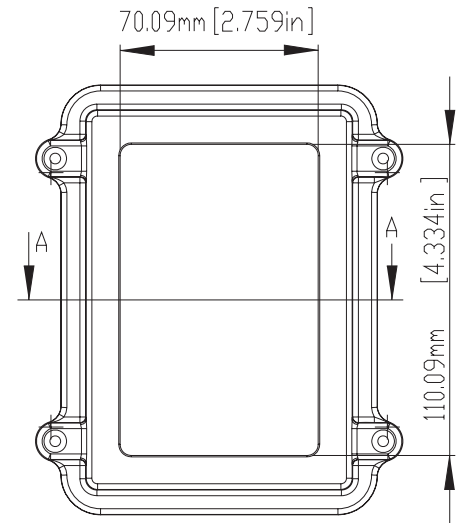
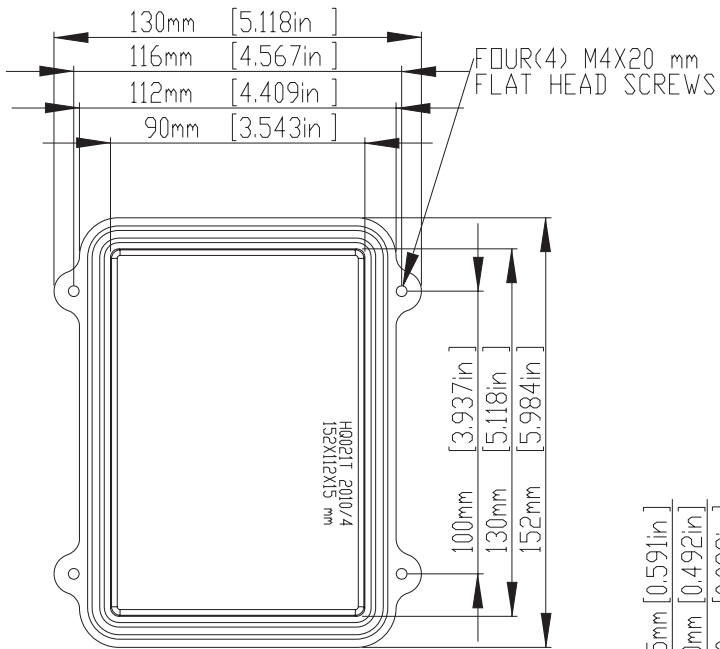


BASE



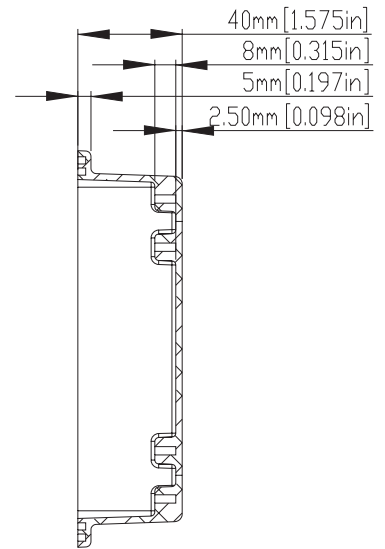
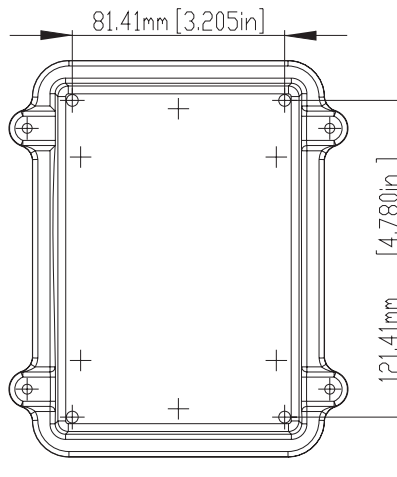
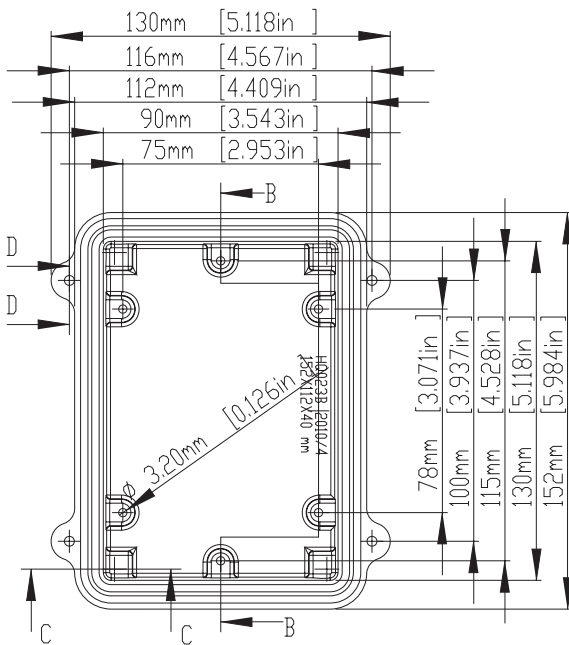
HQ023

LID

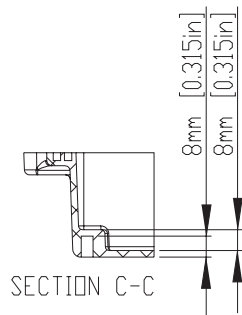
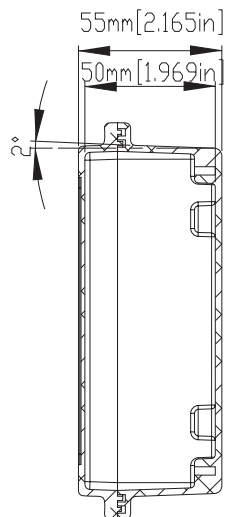


SECTION A-A

BASE



SECTION B-B



SECTION C-C

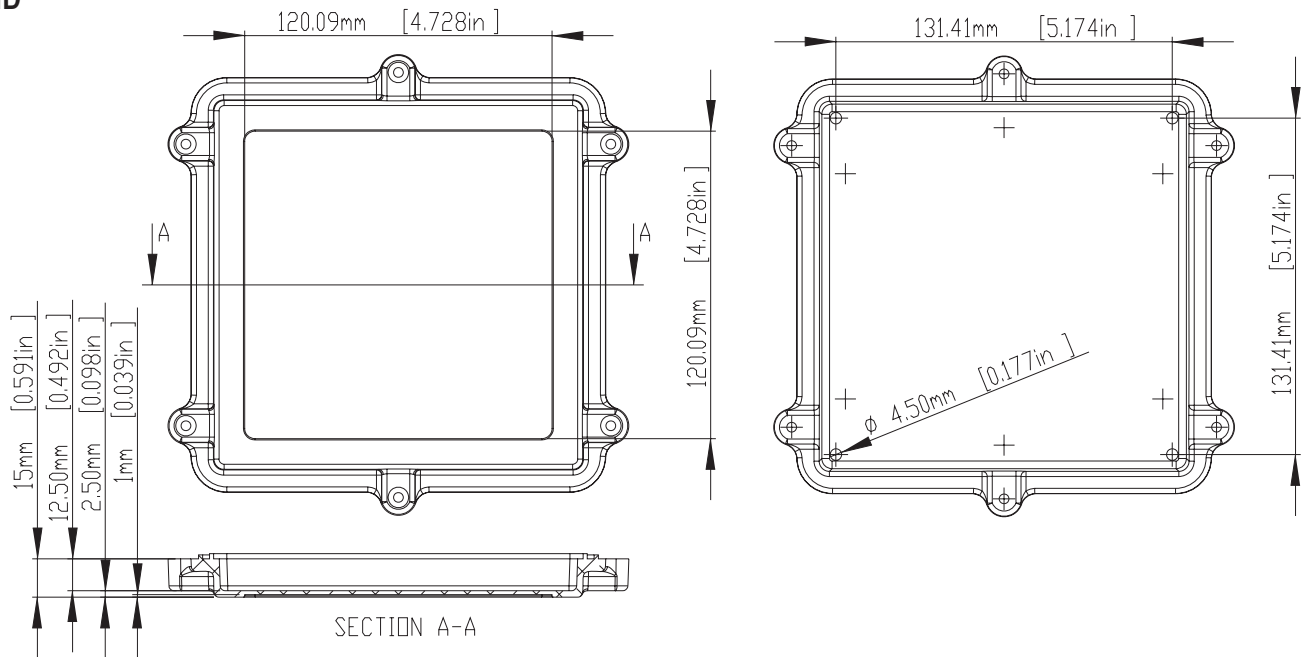
SECTION D-D

- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

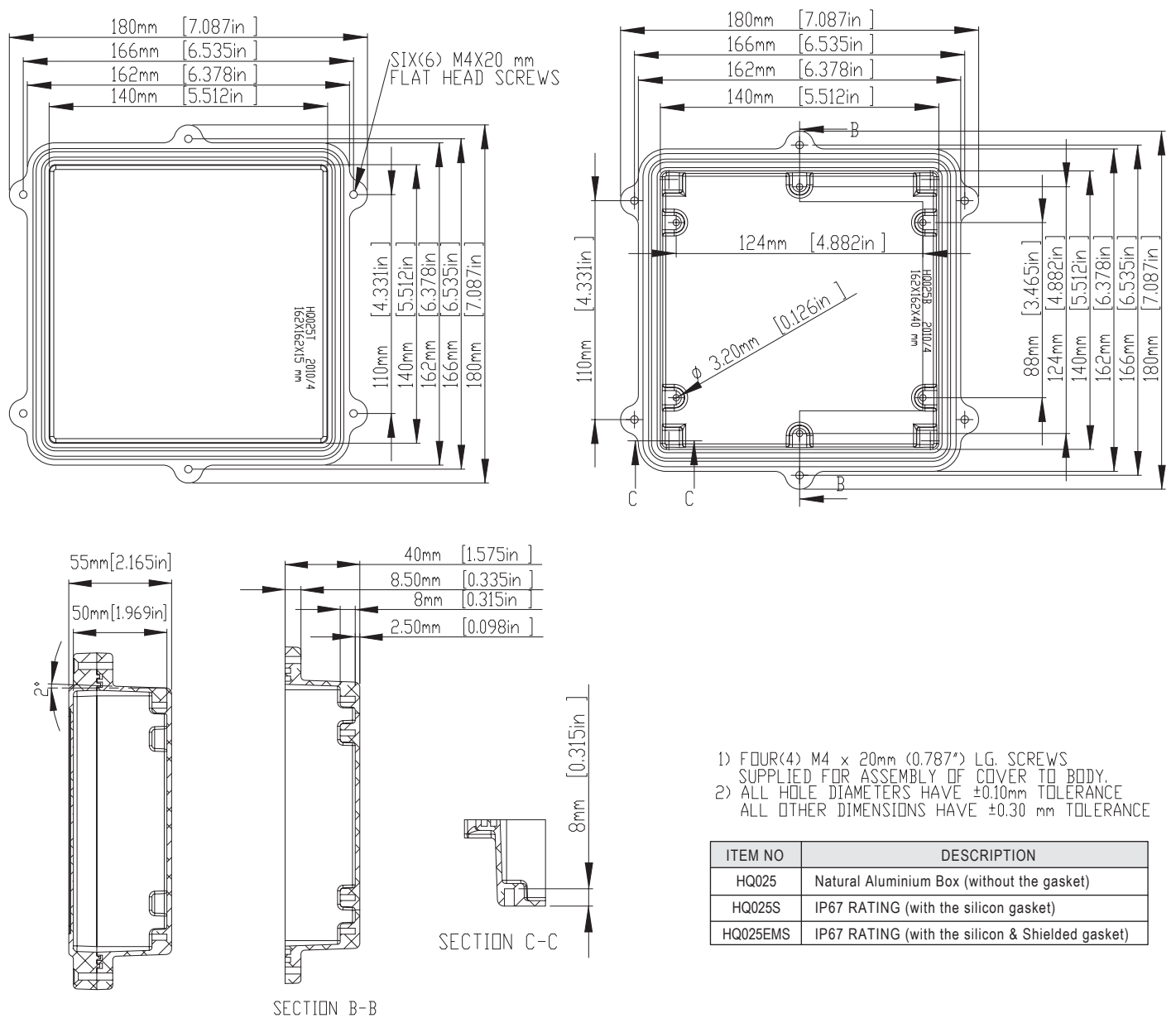
ITEM NO	DESCRIPTION
HQ023	Natural Aluminium Box (without the gasket)
HQ023S	IP67 RATING (with the silicon gasket)
HQ023EMS	IP67 RATING (with the silicon & Shielded gasket)

HQ025

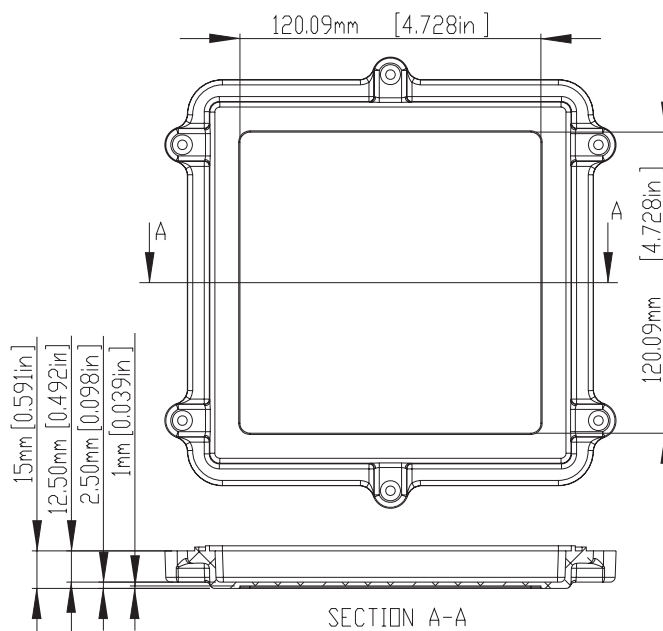
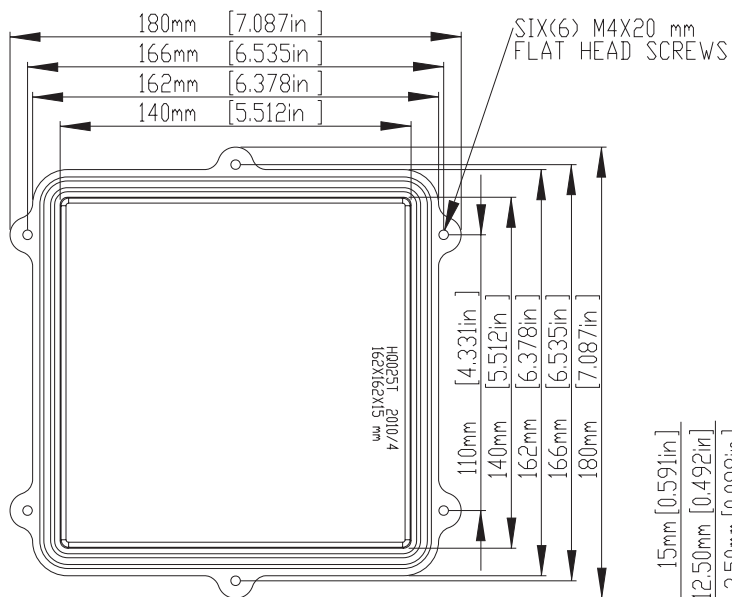
LID



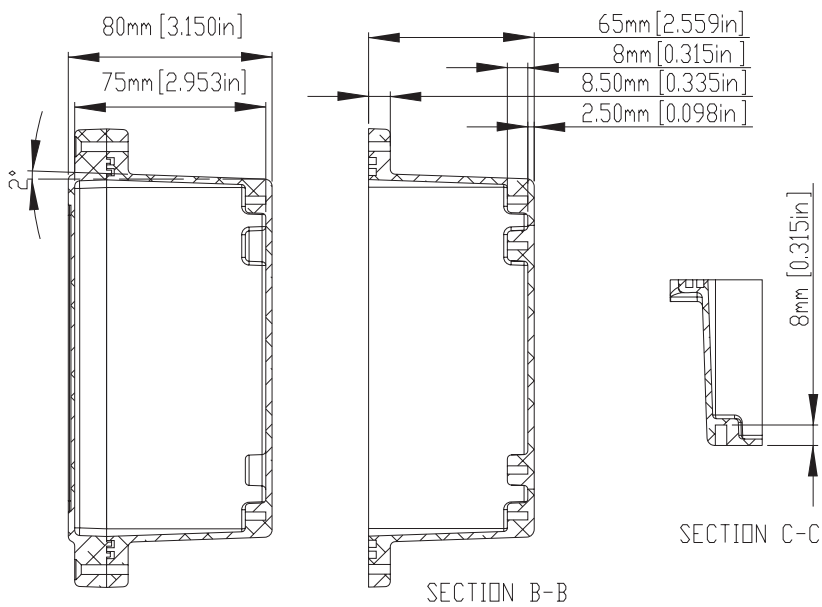
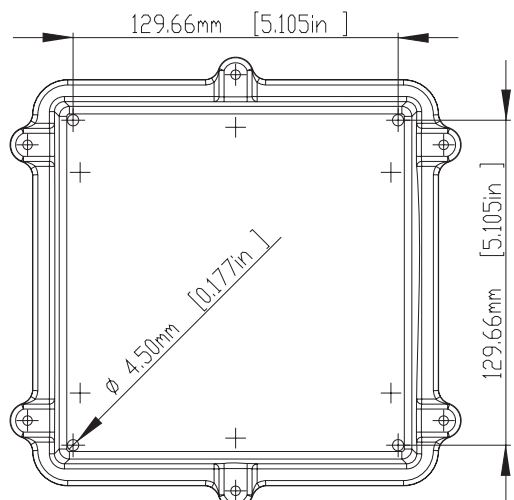
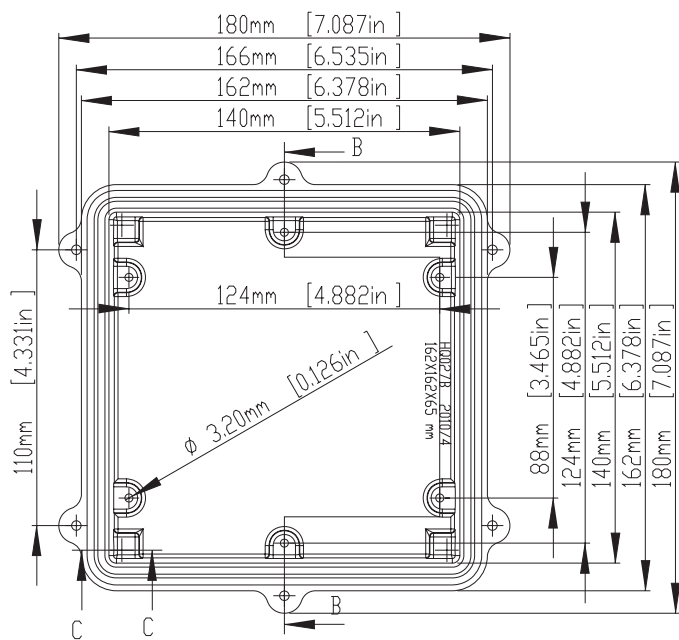
BASE



LID

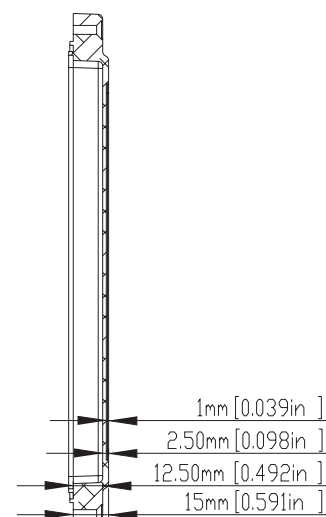
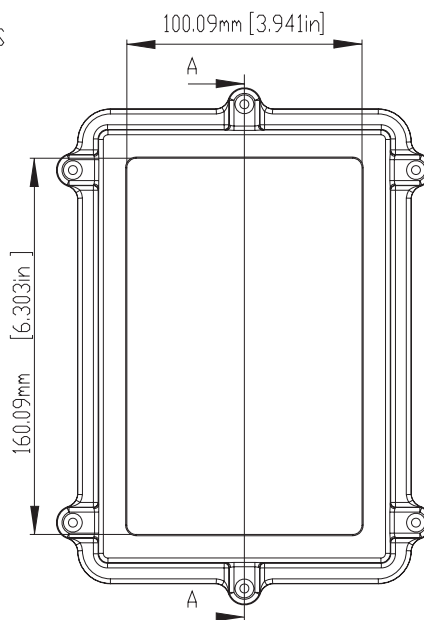


BASE



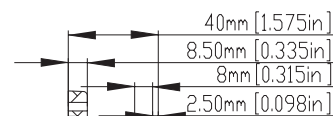
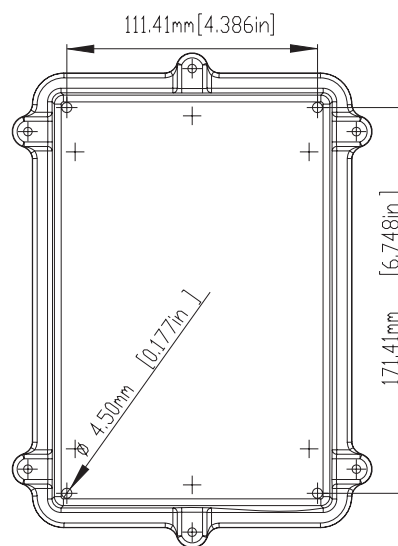
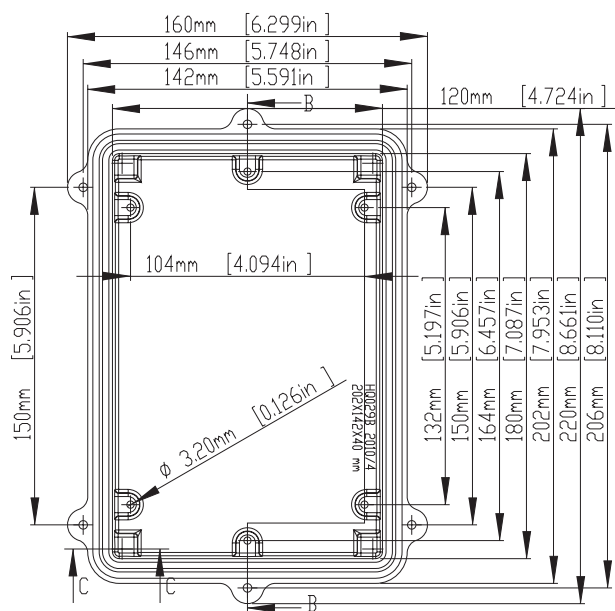
- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

ITEM NO	DESCRIPTION
HQ027	Natural Aluminium Box (without the gasket)
HQ027S	IP67 RATING (with the silicon gasket)
HQ027EMS	IP67 RATING (with the silicon & Shielded gasket)

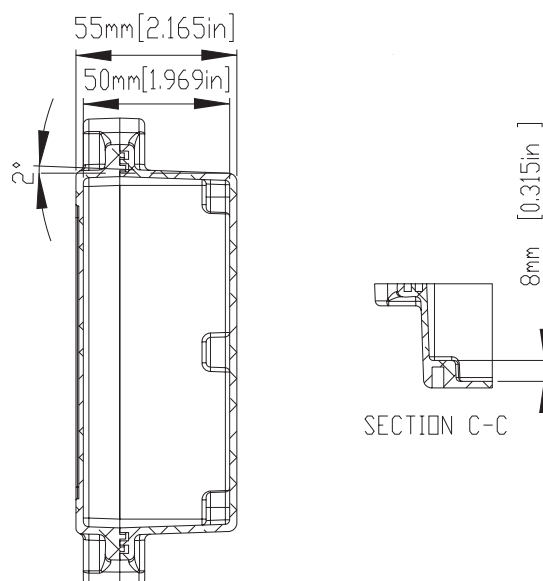


SECTION A-A

BASE



SECTION B-B

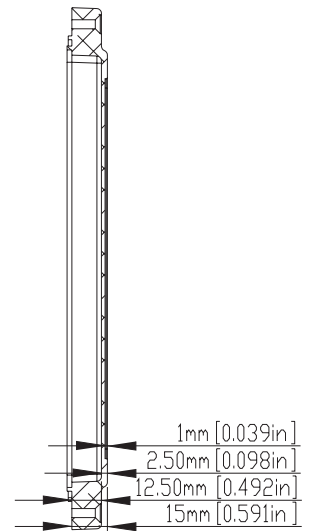
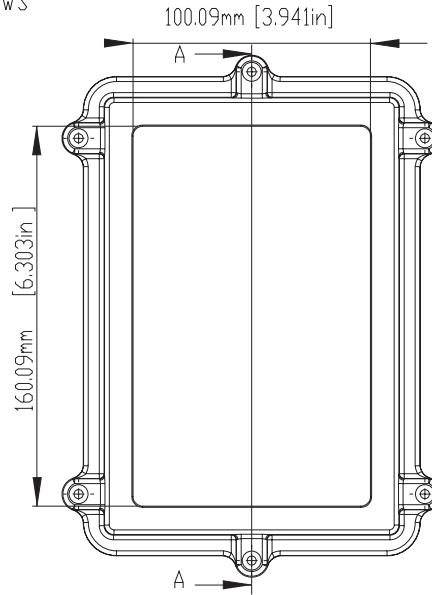
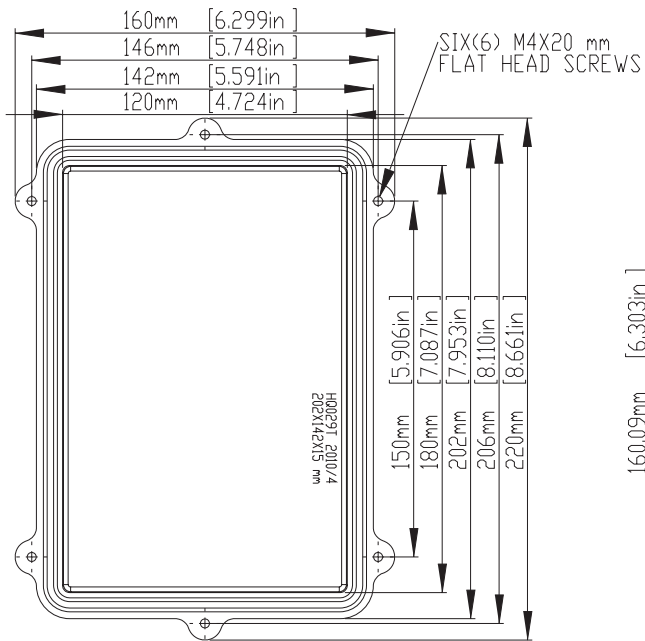


SECTION C-C

- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

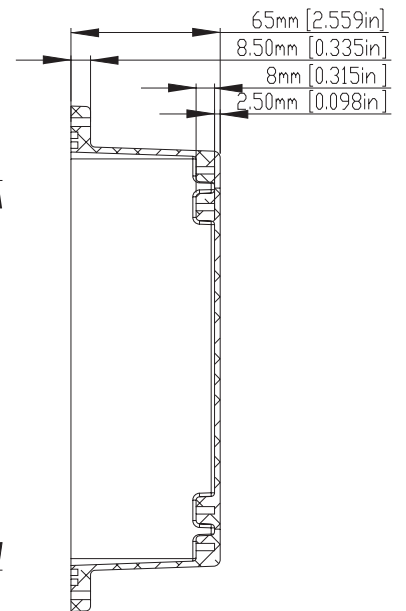
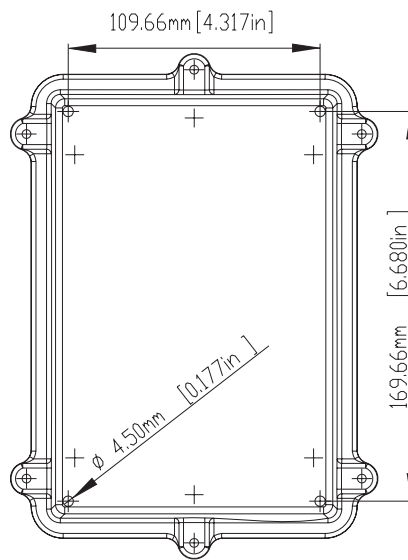
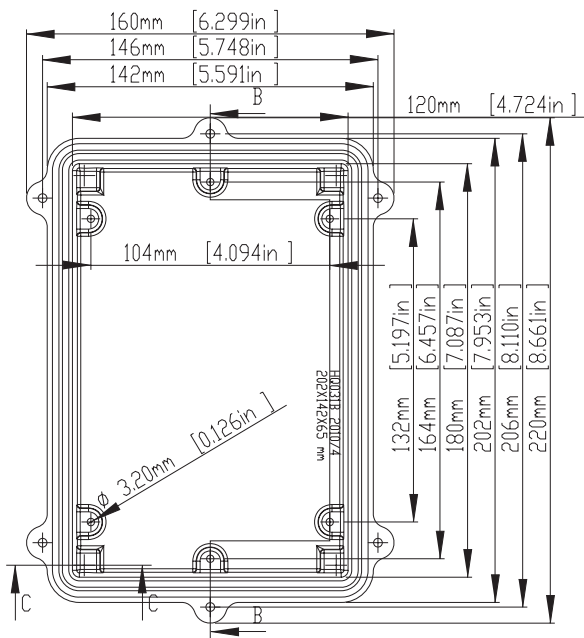
ITEM NO	DESCRIPTION
HQ029	Natural Aluminium Box (without the gasket)
HQ029S	IP67 RATING (with the silicon gasket)
HQ029EMS	IP67 RATING (with the silicon & Shielded gasket)

LID

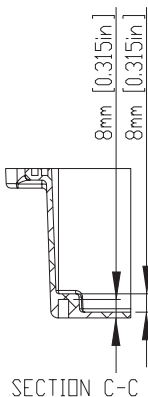
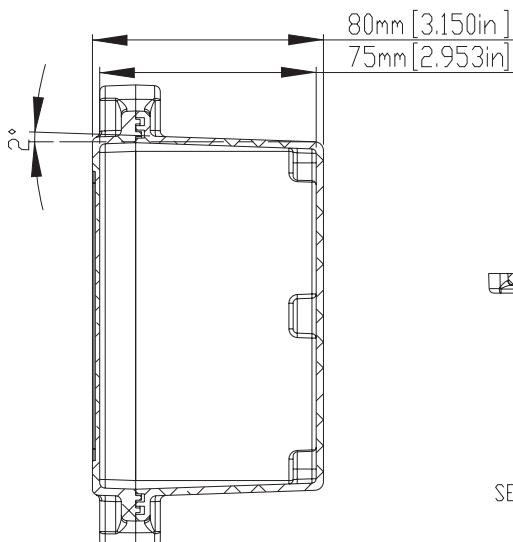


SECTION A-A

BASE



SECTION B-B



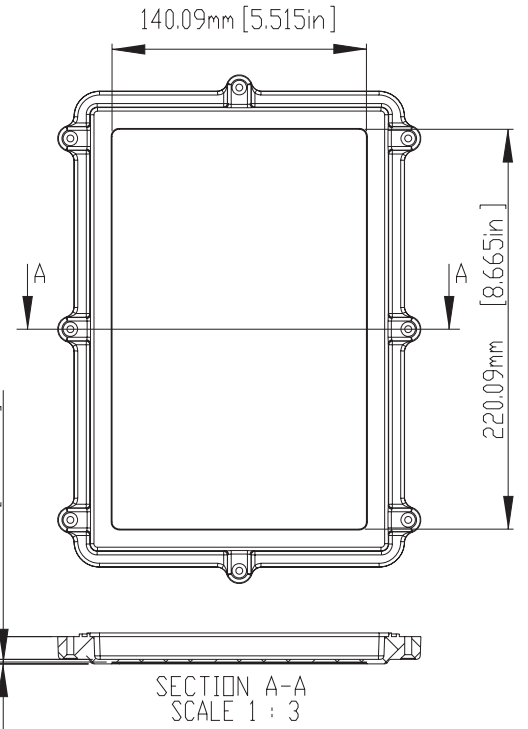
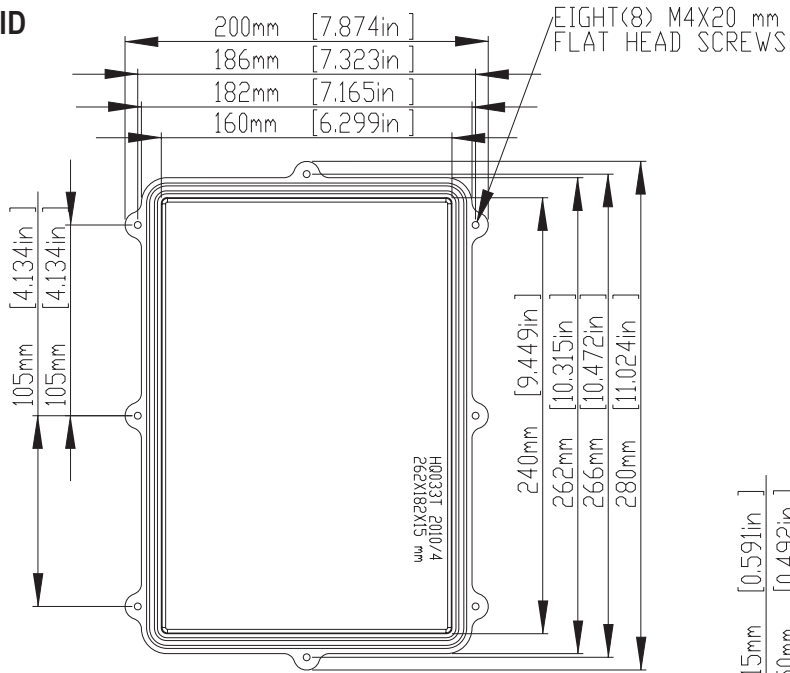
SECTION C-C

- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS
SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE $\pm 0.10\text{mm}$ TOLERANCE
ALL OTHER DIMENSIONS HAVE $\pm 0.30\text{ mm}$ TOLERANCE

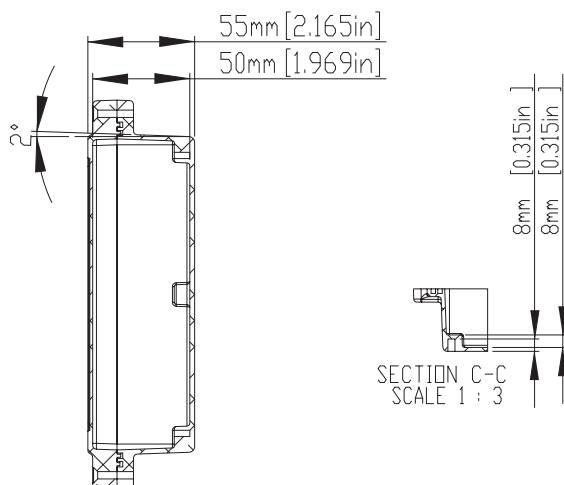
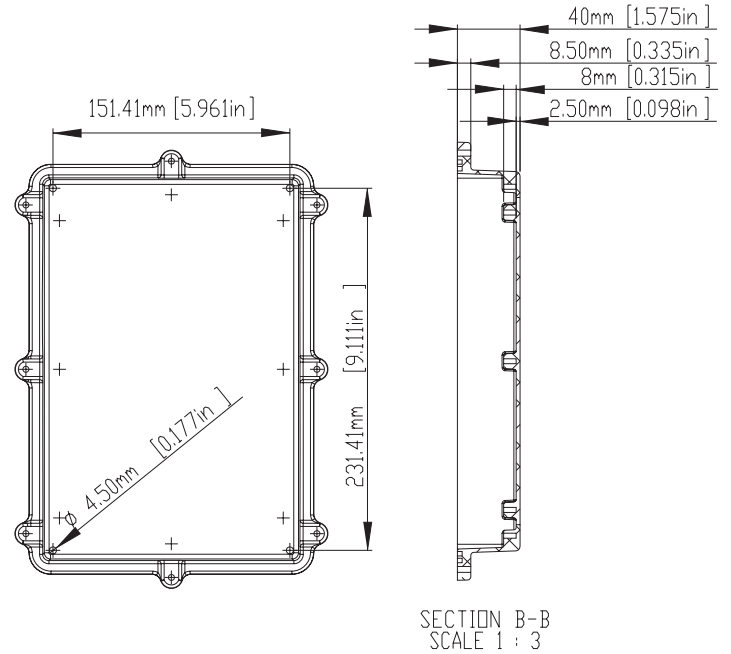
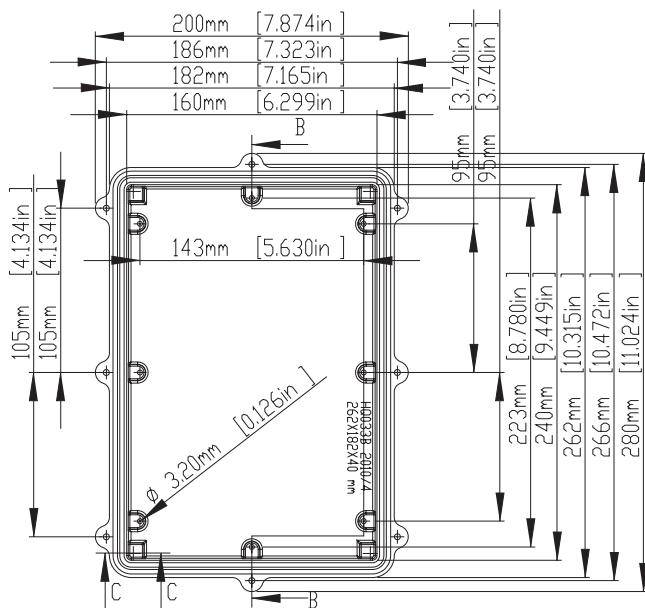
ITEM NO	DESCRIPTION
HQ031	Natural Aluminium Box (without the gasket)
HQ031S	IP67 RATING (with the silicon gasket)
HQ031EMS	IP67 RATING (with the silicon & Shielded gasket)

HQ033

LID



BASE

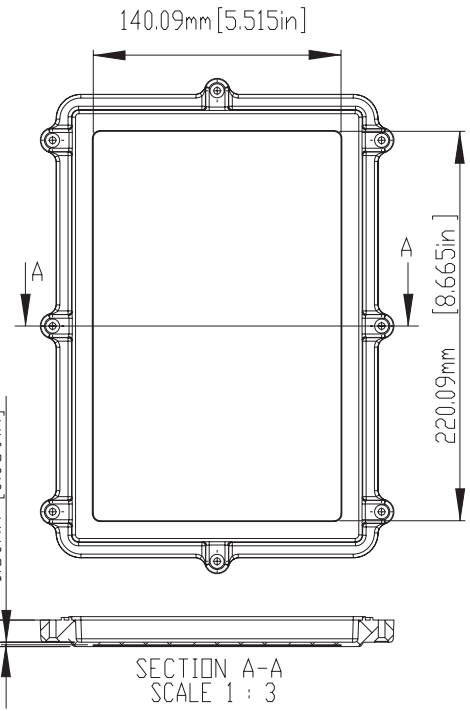
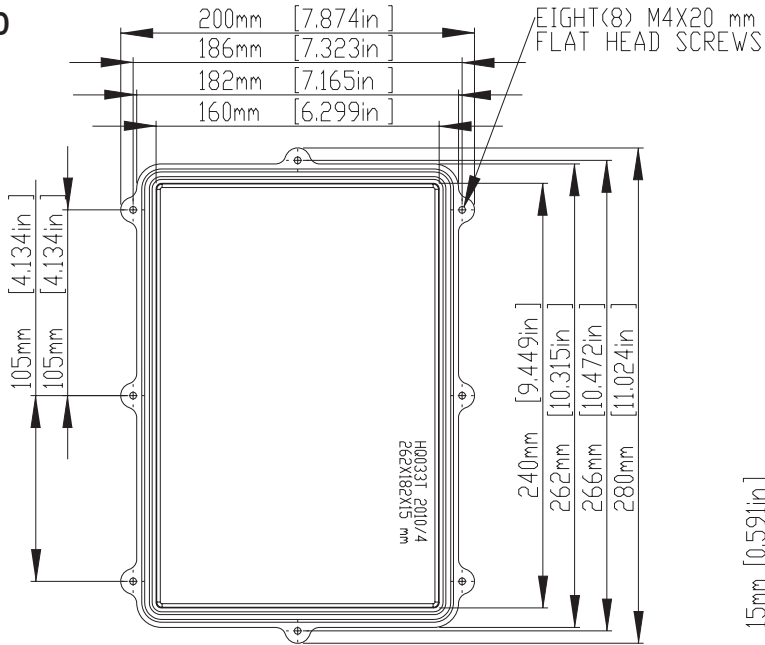


- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

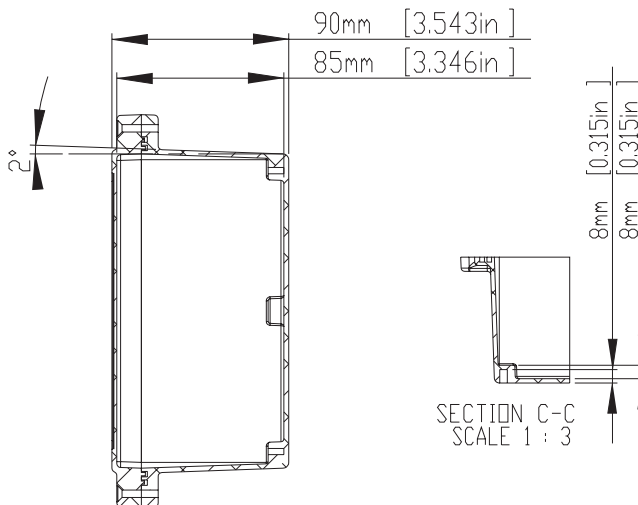
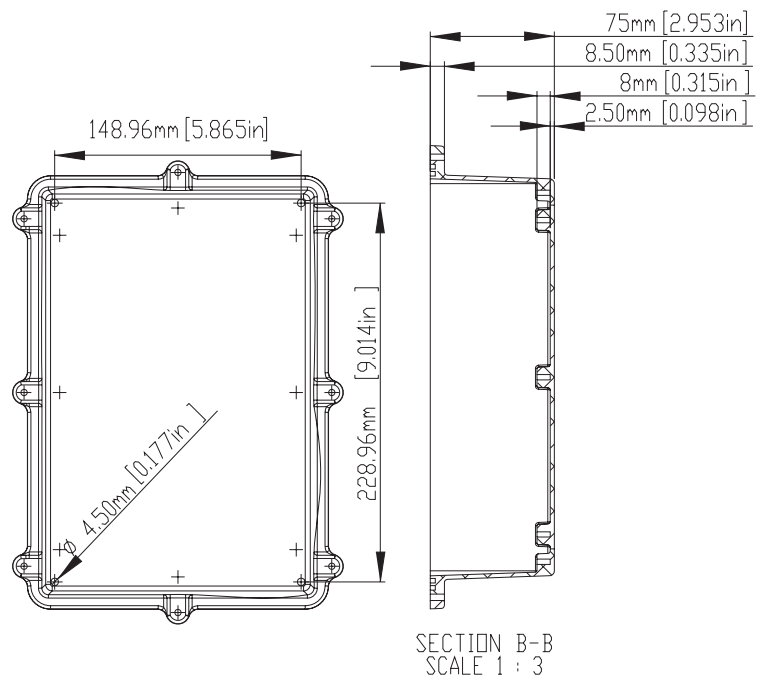
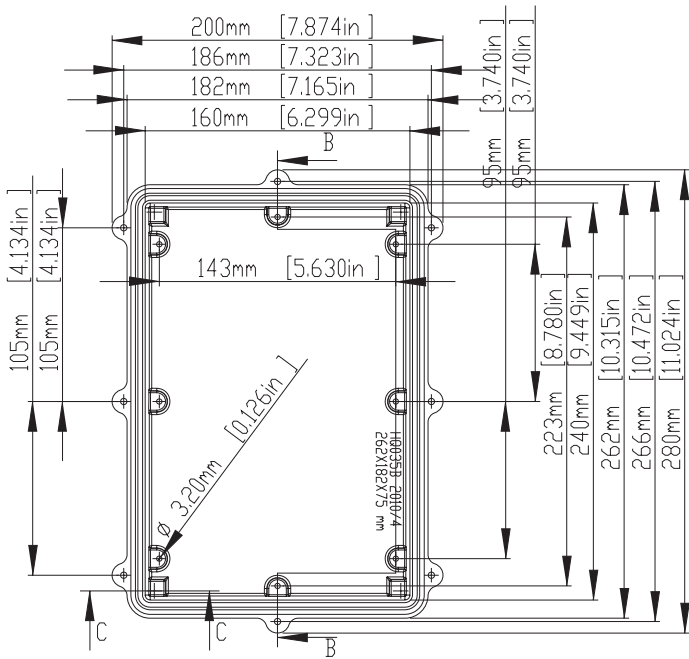
ITEM NO	DESCRIPTION
HQ033	Natural Aluminium Box (without the gasket)
HQ033S	IP67 RATING (with the silicon gasket)
HQ033EMS	IP67 RATING (with the silicon & Shielded gasket)

HQ035

LID



BASE



- 1) FOUR(4) M4 x 20mm (0.787") LG. SCREWS SUPPLIED FOR ASSEMBLY OF COVER TO BODY.
- 2) ALL HOLE DIAMETERS HAVE ± 0.10 mm TOLERANCE ALL OTHER DIMENSIONS HAVE ± 0.30 mm TOLERANCE

ITEM NO	DESCRIPTION
HQ035	Natural Aluminium Box (without the gasket)
HQ035S	IP67 RATING (with the silicon gasket)
HQ035EMS	IP67 RATING (with the silicon & Shielded gasket)