

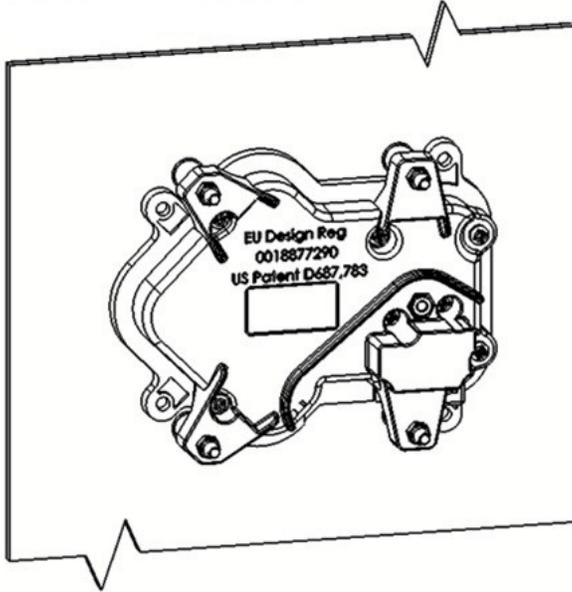
Original/Alternative AudioNav Comparison Table

Original AudioNav	Alternative AudioNav
'End user' functionality:	Same as original.
Audio jack:	Same as original (3.5mm).
Software requirements and OS compatibility:	Same as original.
Compatibility with Storm software utility & APIs:	Same as original (the alternative AudioNav is compatible with Storm's software utility, version 3.0 and higher). The alternative AudioNav does have a slightly shorter time out value of 500 milliseconds. This is to help ensure its compatibility with host applications utilizing some or all of the APIs.
Firmware:	The alternative AudioNav does have different firmware because the microchip is different. However, the firmware has been designed to provide the same interface/features/functionality as that of the original.
VID/PID:	Same as original, although the alternative AudioNav does have a different 'bcdDevice' value to reflect the alternative microchip. The bcdDevice value on the alternative AudioNav is 0x0168.
Certifications (UL, FCC, RoHS CE etc.):	Same as original.
Environmental specifications (operating temperature, weather resistance, impact resistance, etc.):	Same as original.
Connection type:	Same as original (USB 2.0).
Type of cable required:	Same as original, the cable is supplied separately (the alternative AudioNav is however supplied with a cable tie already fitted).
Panel cut out size & shape:	Same as original (CAD files for the alternative AudioNav can be found online here).
Number of fixing bosses:	The alternative AudioNav only has one set of fixing bosses. These are in the same position as those of the original AudioNav which are closest to the front face of the keypad. For more information, please see page 2 , page 3 & page 4 .
Thickness of fixing bosses:	The fixing bosses of the alternative AudioNav are 7mm thick (on the original AudioNav they are 4mm). For more information, please see page 5 .
Grounding wire:	There is no grounding wire on the alternative AudioNav because the internal circuit has been improved (with additional ESD suppression on the board).

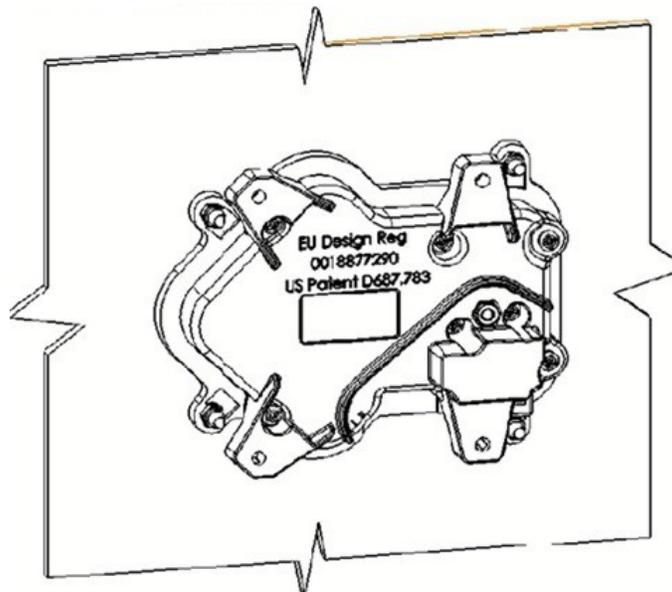
Alternative Hardware Explained:

The 'original' AudioNav includes two sets of fixing bosses. The diagrams below show the rear view of the 'original' AudioNav installed using option A and option B.

Fixing points, position A

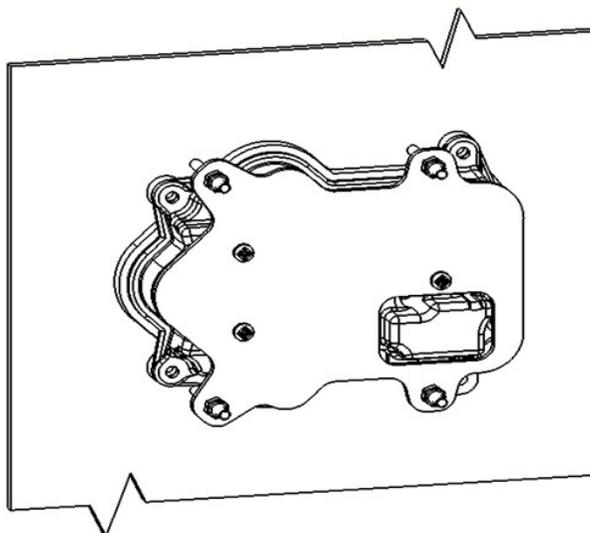


Fixing points, position B



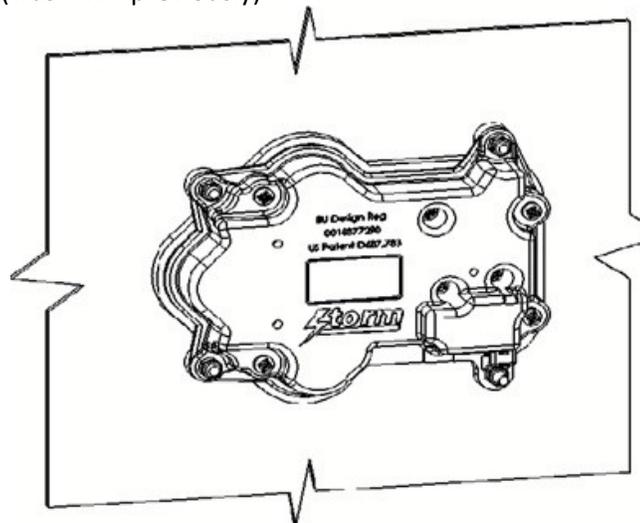
Rear view showing the alternative hardware version of the AudioNav

Fixing points, position A – rear plate required



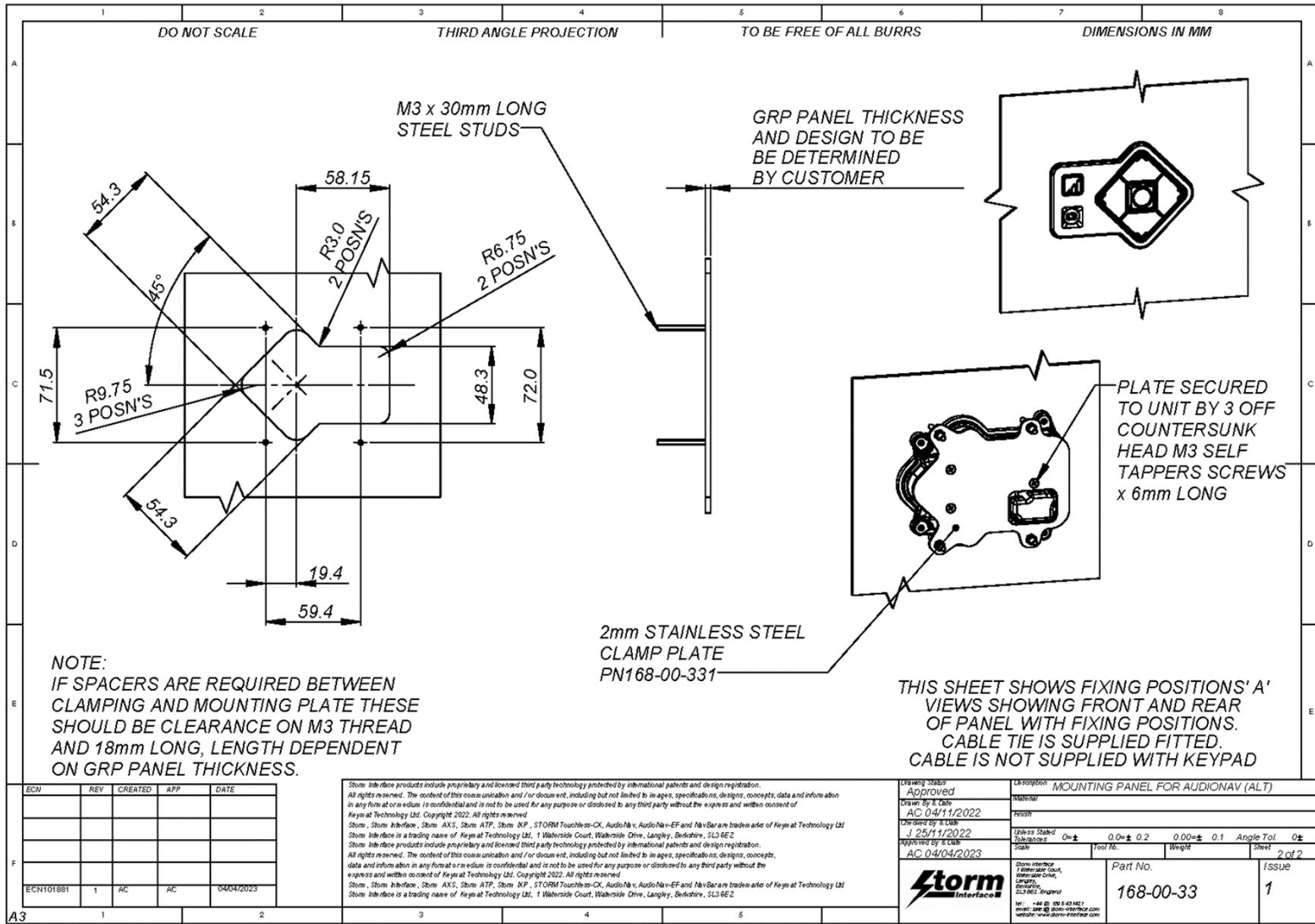
Fixing points, position B – no change required

Fixing Position B still requires M3 x 12 mm studs.
Note that the bosses are now 7mm thick
(was 4mm previously)



On the alternative hardware version the cable tie is supplied fitted.

[Back to comparison table](#)



ECN	REV	CREATED	APP	DATE
ECN101881	1	AC	AC	04/04/2023

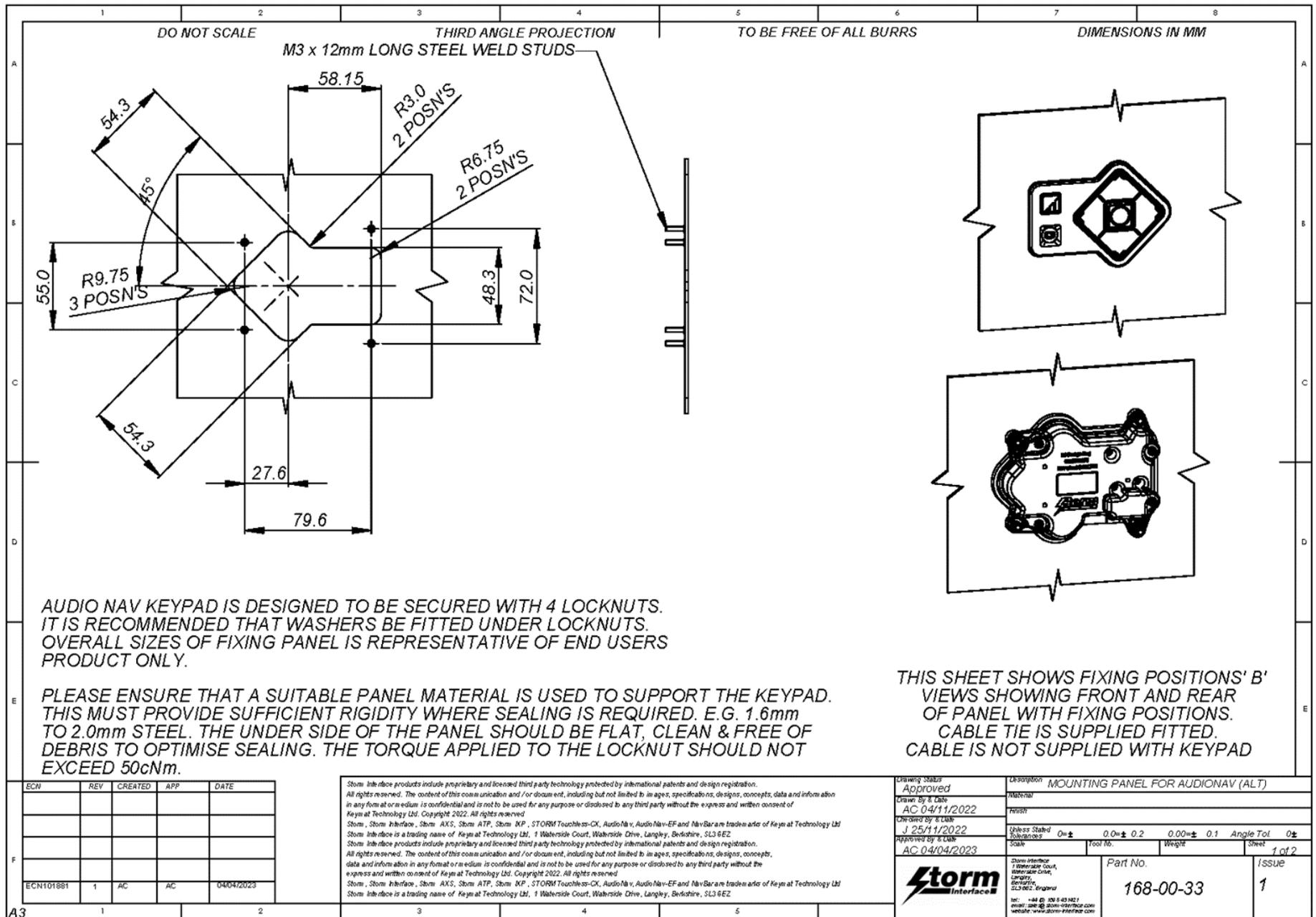
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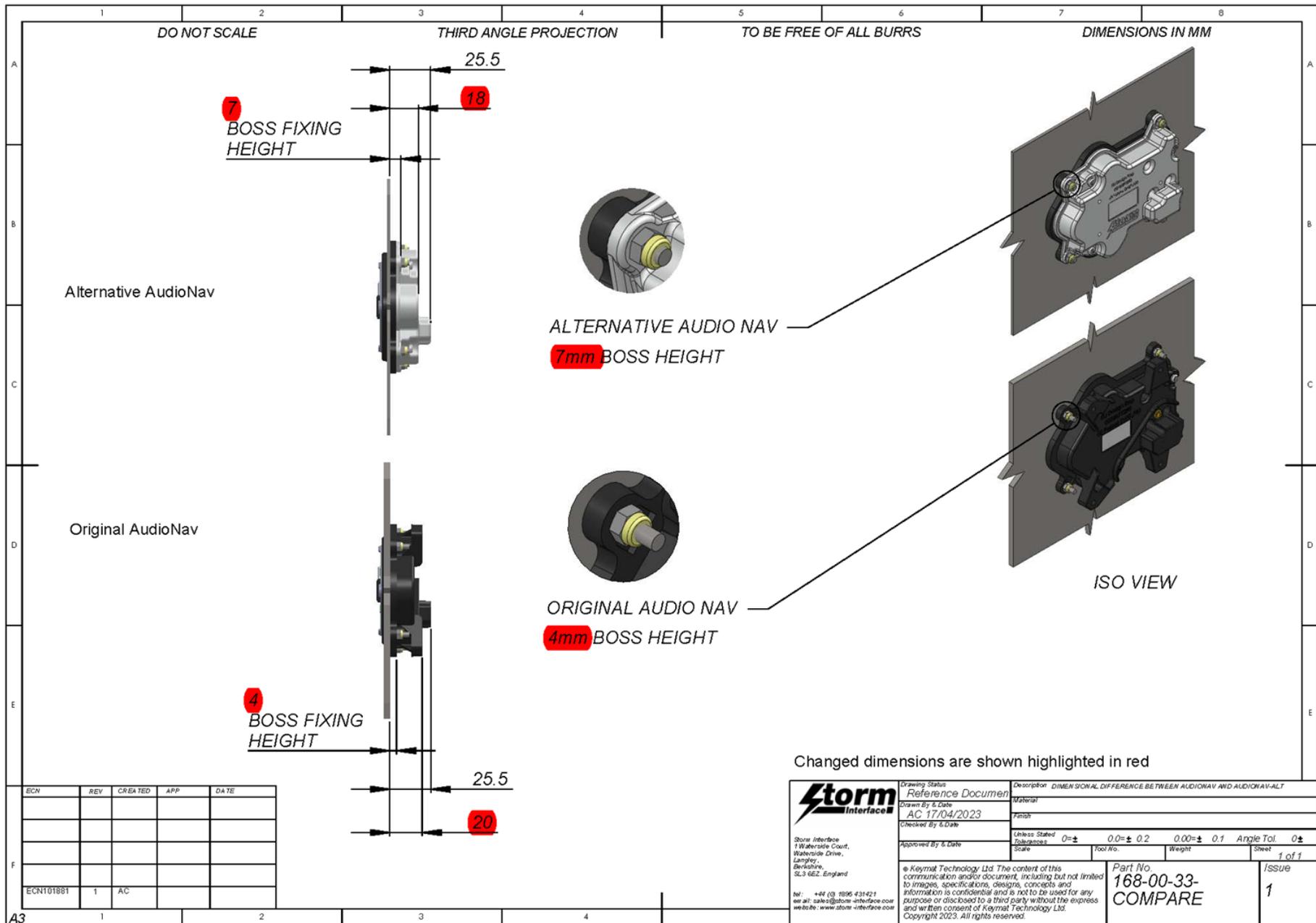
Drawing Status Approved Drawn by & Date AC 04/11/2022 Drawn by & Date J 25/11/2022 Approved by & Date AC 04/04/2023	Description MOUNTING PANEL FOR AUDIONAV (ALT) Material Finish Unless Stated Tolerances Scale Tool No. Weight Sheet 2 of 2	Part No. 168-00-33 Issue 1
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Drawing Status Approved Drawn By & Date AC 04/11/2022 Checked By & Date J 25/11/2022 Approved By & Date AC 04/04/2023	Description MOUNTING PANEL FOR AUDIONAV (ALT) Material Finish Unless Stated Tolerances: 0±, 0.0±, 0.2, 0.00±, 0.1, Angle Tol: 0± Scale Part No. 168-00-33 Issue 1 1 of 2 Storm Interface 1 Waterside Court, Waterside Drive, Langley, Berkshire, SL3 6EZ, England Tel: +44 (0) 1845 45 9421 Email: sales@storm-interface.com Website: www.storm-interface.com
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Drawing Status Reference Document	Description: DIMENSIONAL DIFFERENCE BETWEEN AUDIONAV AND AUDIONAV-ALT		
Drawn By & Date AC 17/04/2023	Material	Finish	
Checked By & Date	Unless Stated Tolerances Scale	0± 0.0±0.2 0.00±0.1	Angle Tol. 0±
Approved By & Date	Scale	Tool No.	Weight
			Sheet 1 of 1
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