

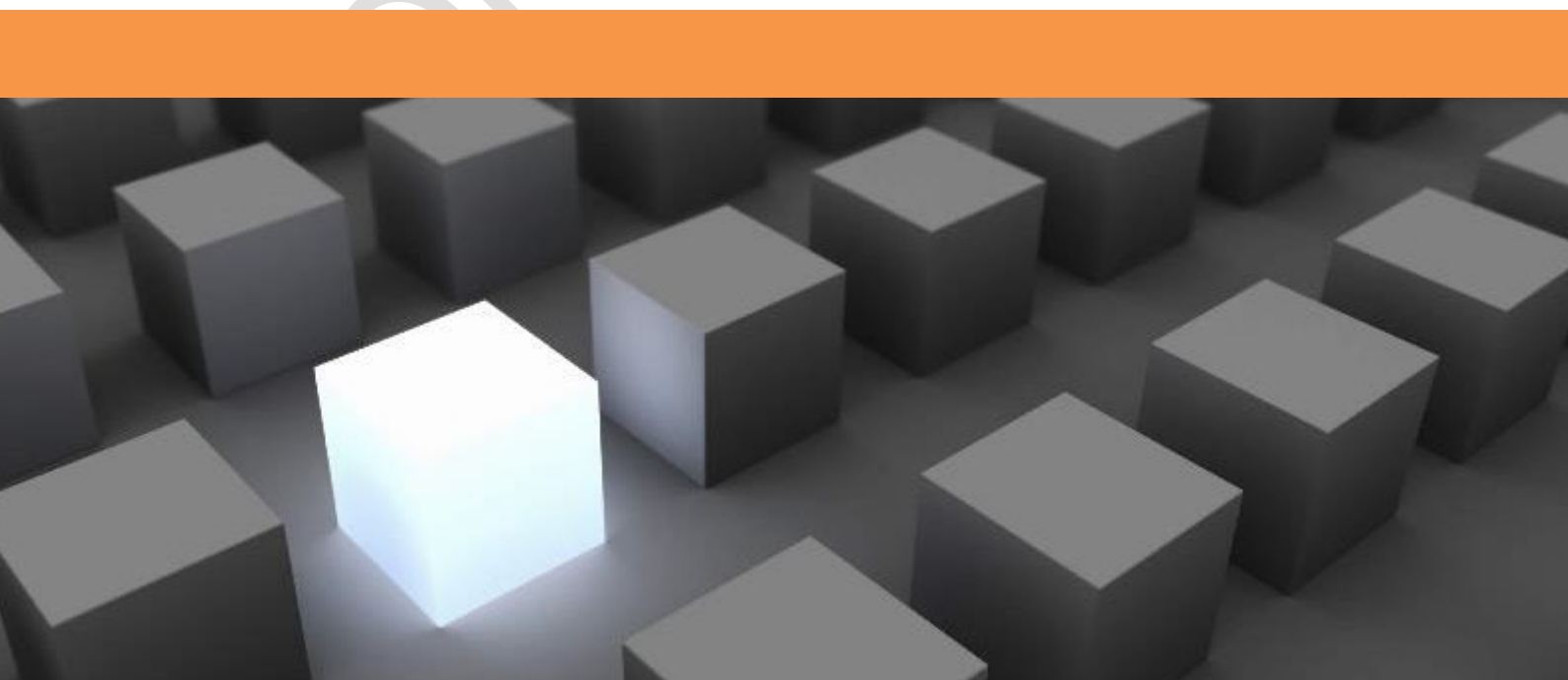
SYMEO LOCAL POSITIONING RADAR



Product: LPR[®]-1DHP-350 (Symeo BSX300350)

DOC.EDO.000594.WORK

LPR-1DHP-350 Photographs for Certification



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HISTORY

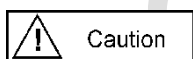
Version	Date	Description
0001	26.03.2023	Initial release (DB)

SYMBOLS USED

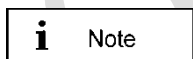
The following symbols are used throughout the documentation:



This symbol appears before instructions that must be followed at all times. Failure to comply with these instructions will result in personal injury.



This symbol appears before instructions that must be followed at all times. Failure to comply with these instructions will result in damage to equipment.



This symbol appears before information of particular importance.

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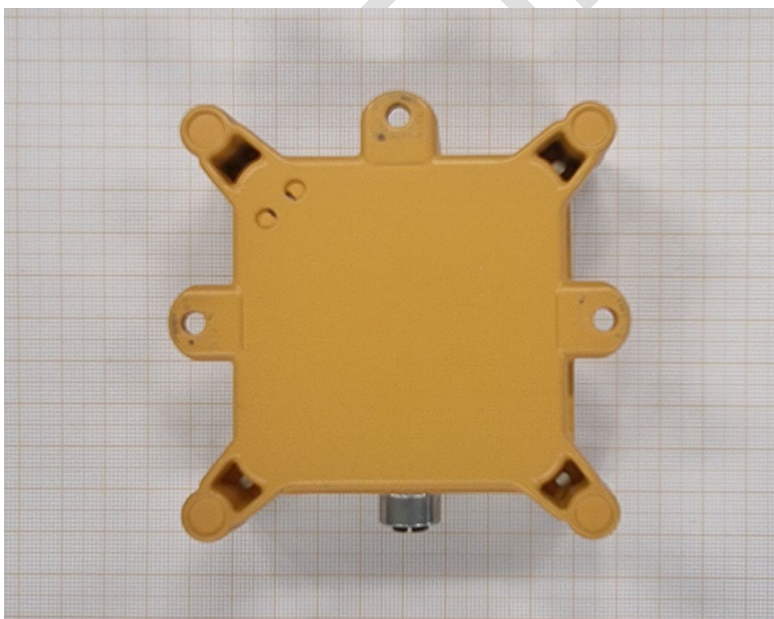
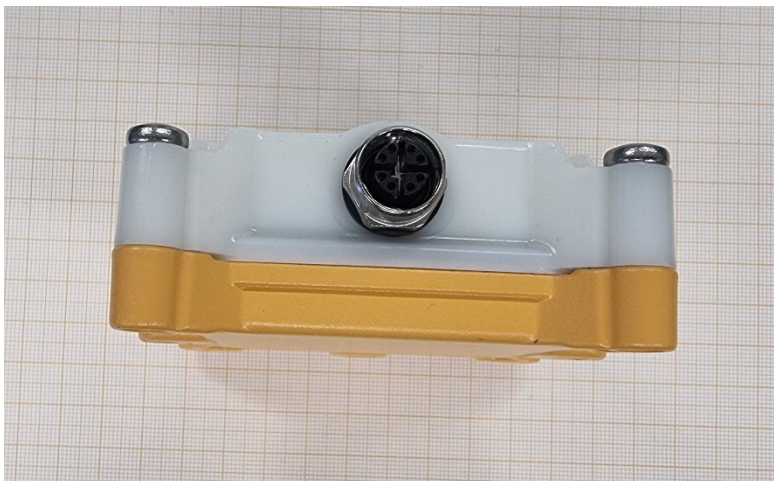
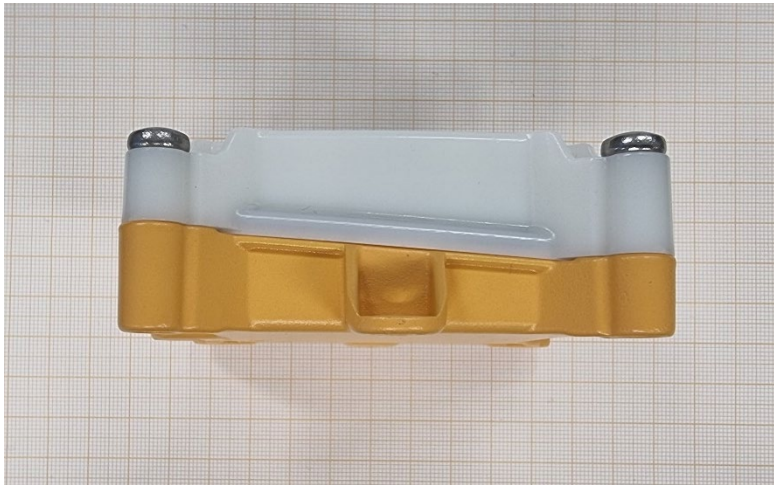
1 General Information

Symeo's LPR-1DHP-350 devices are distance measurement systems. They use the well-known FMCW radar principle to measure the distance to reflective targets (primary mode) or between two devices (Master/Slave mode).

This document provides external photographs of the devices and internal photographs of the PCBs.

2 External Photographs



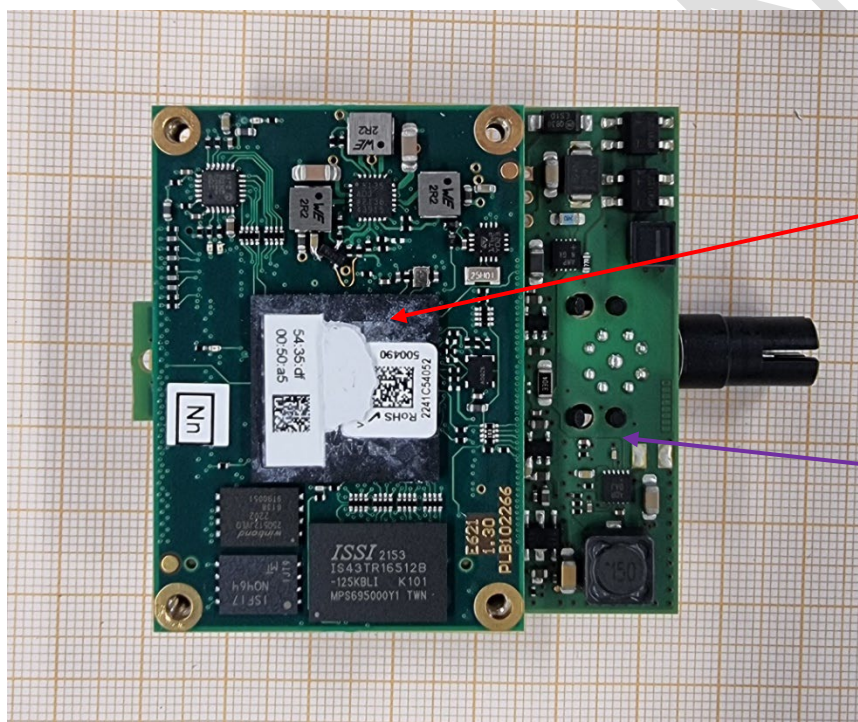


External Photographs



3 Internal Photographs

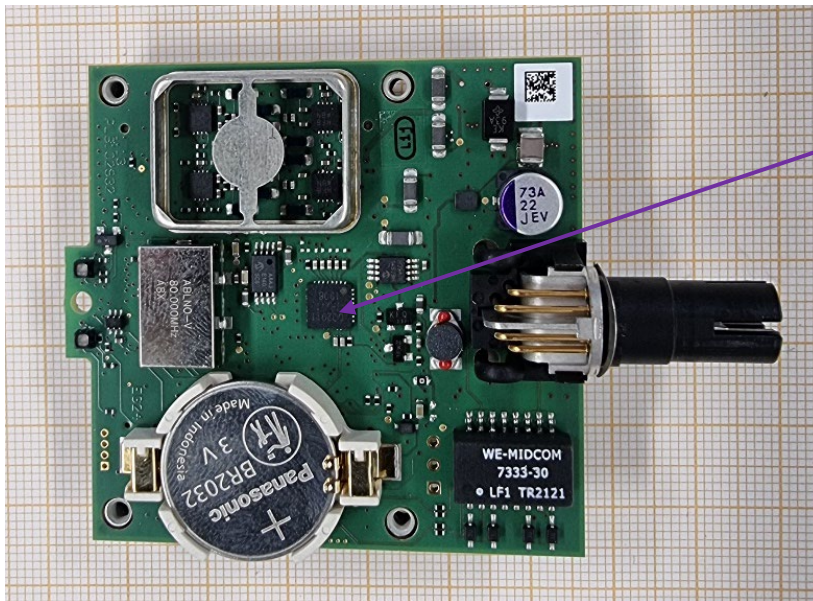
3.1 PCB Stack



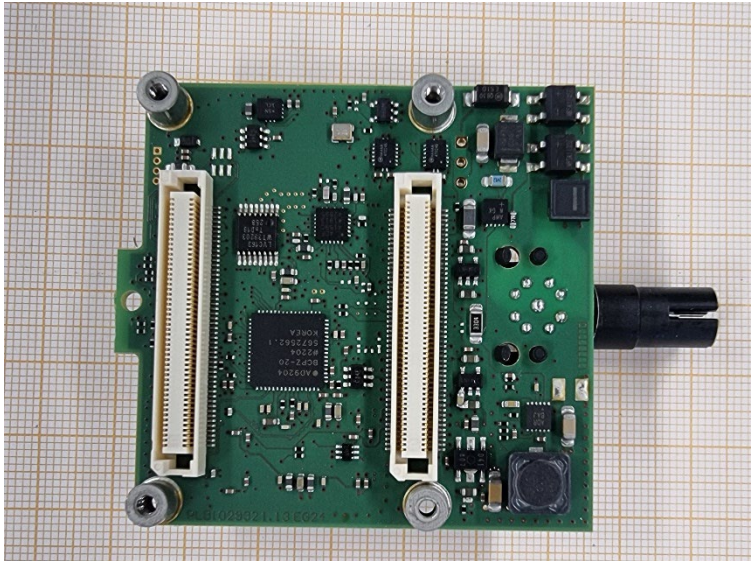
PLB102266
(Processor Board)

PLB102932
(Mainboard)

3.2 PLB102932 Mainboard

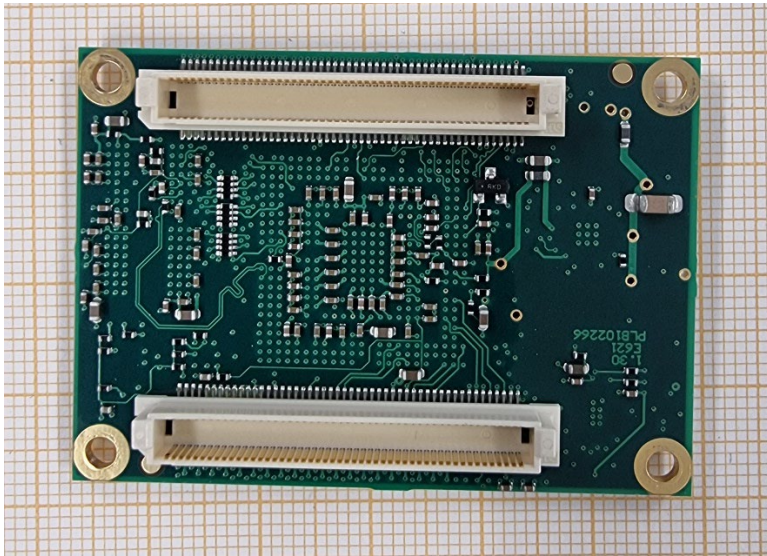


122 GHz Transceiver
MMIC with integrated
antenna



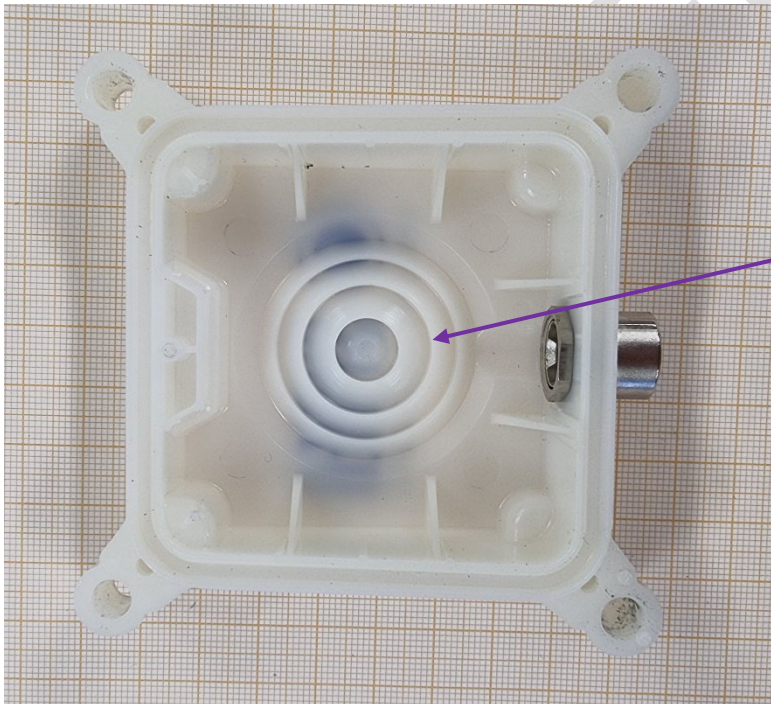
3.3 PLB102266 Processor Board



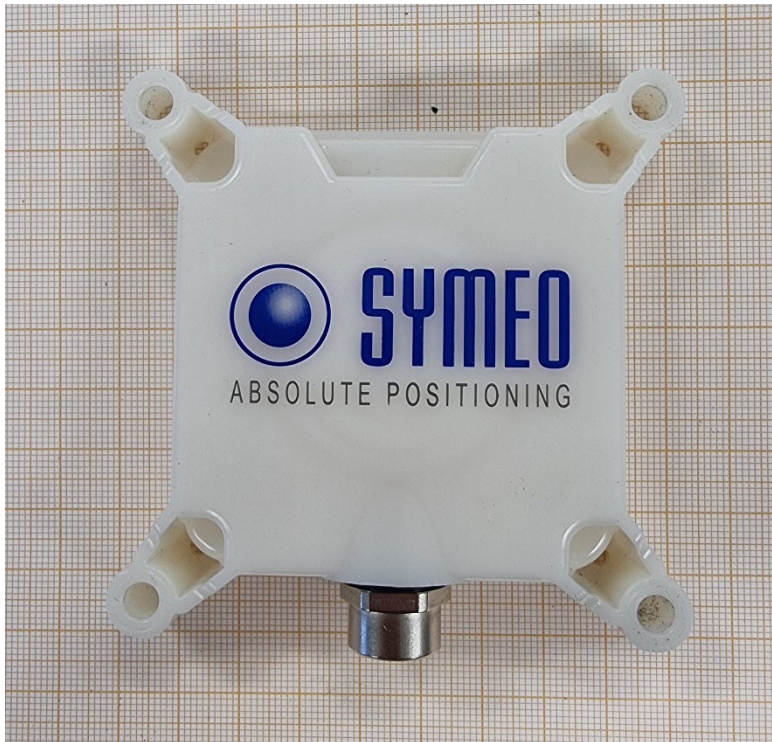


3.4 Housing

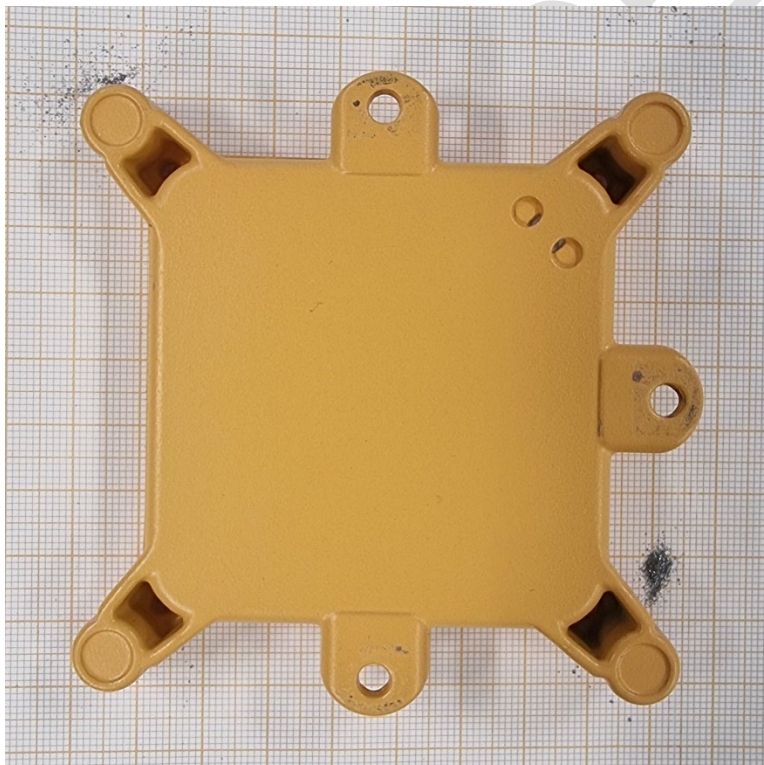
3.4.1 Upper part (plastic)

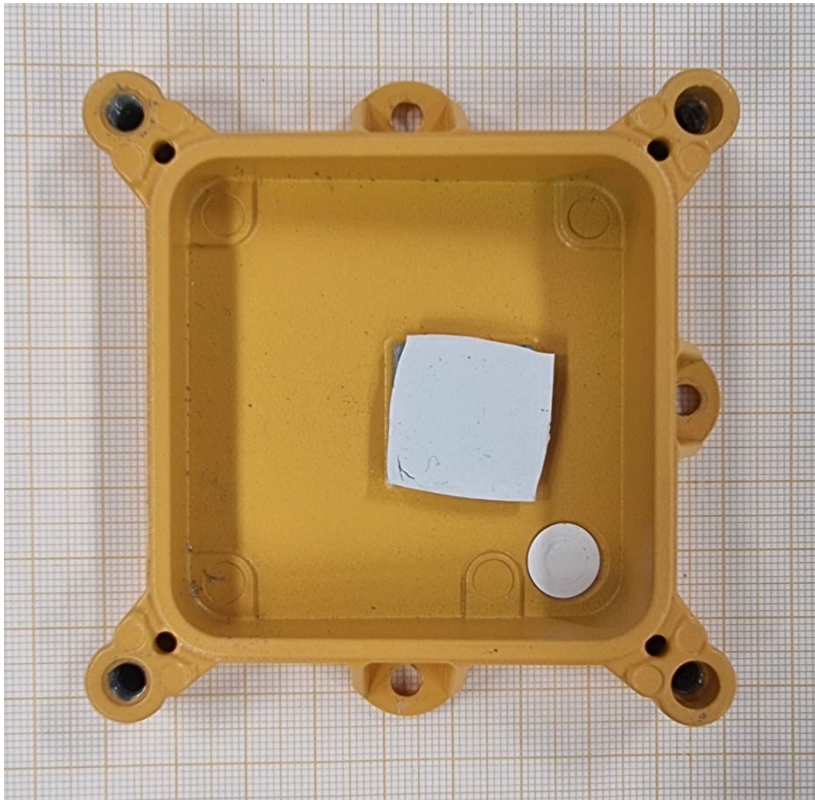


Fresnel lens integrated
into upper housing



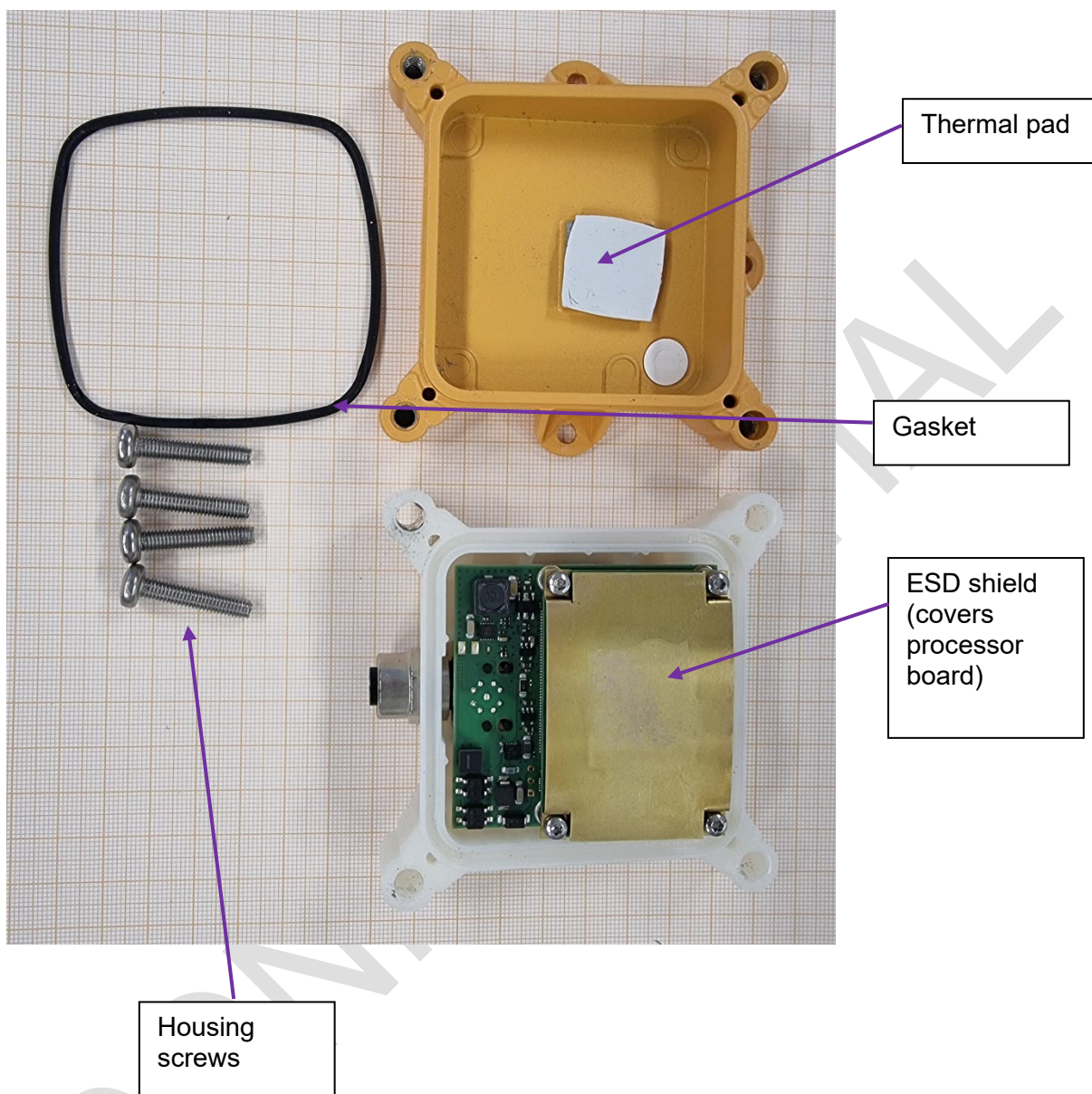
3.4.2 Lower part (Aluminum)





Internal Photographs

3.5 Device Assembly



Internal Photographs