

5 – Internal construction

The electronic hardware of Ositrack RFID compact stations **XGCS491B201** is composed of 2 boards :

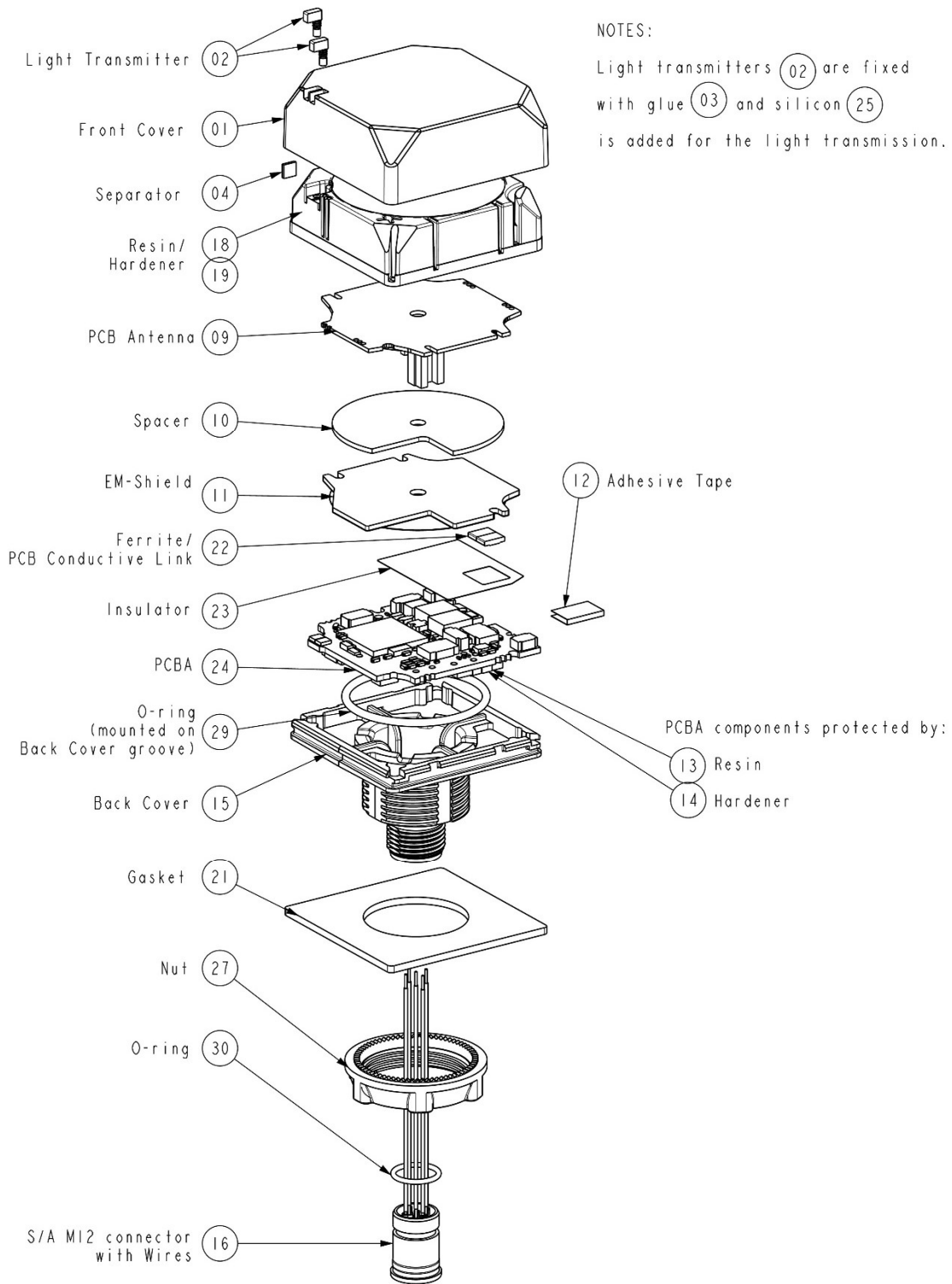
- 1 - the main board, which integrates the power supply, the micro-controller and all active components for RFID communication,
- 2 - the antenna board, which is dedicated to RFID transmission and integrates a printed coil (antenna) and passive components for tuning of the antenna.

XGCS491B201 share the same internal structure as **XGCS49•B201** (models with Modbus communication). It shares also the same antenna board, but has a different main board.

Internal structure of the product as well as circuit boards are shown in sections 5.1 to 5.3 hereafter.

5.1 – Internal structure

Internal structure is as below :



5.2 – Main board

PCBA (with components) : NVE45133–10

PCB (w/out components) : NHA93098–03



Components side (TOP)

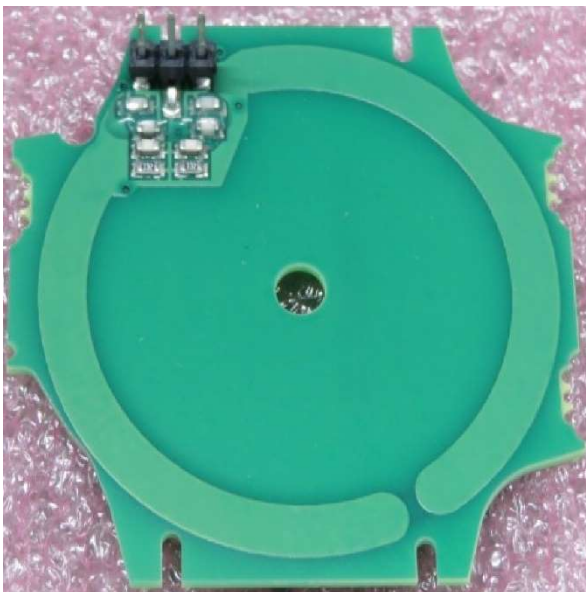


Solder side (BOTTOM)

5.3 – Antenna board

PCBA (with components) : W816574060111–14

PCB (w/out components) : NVE98563–01



Components side (TOP)



Coil side (BOTTOM)