

5 – Internal construction

The electronic hardware of Ositrack RFID compact stations **XGCS49•B201** 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.

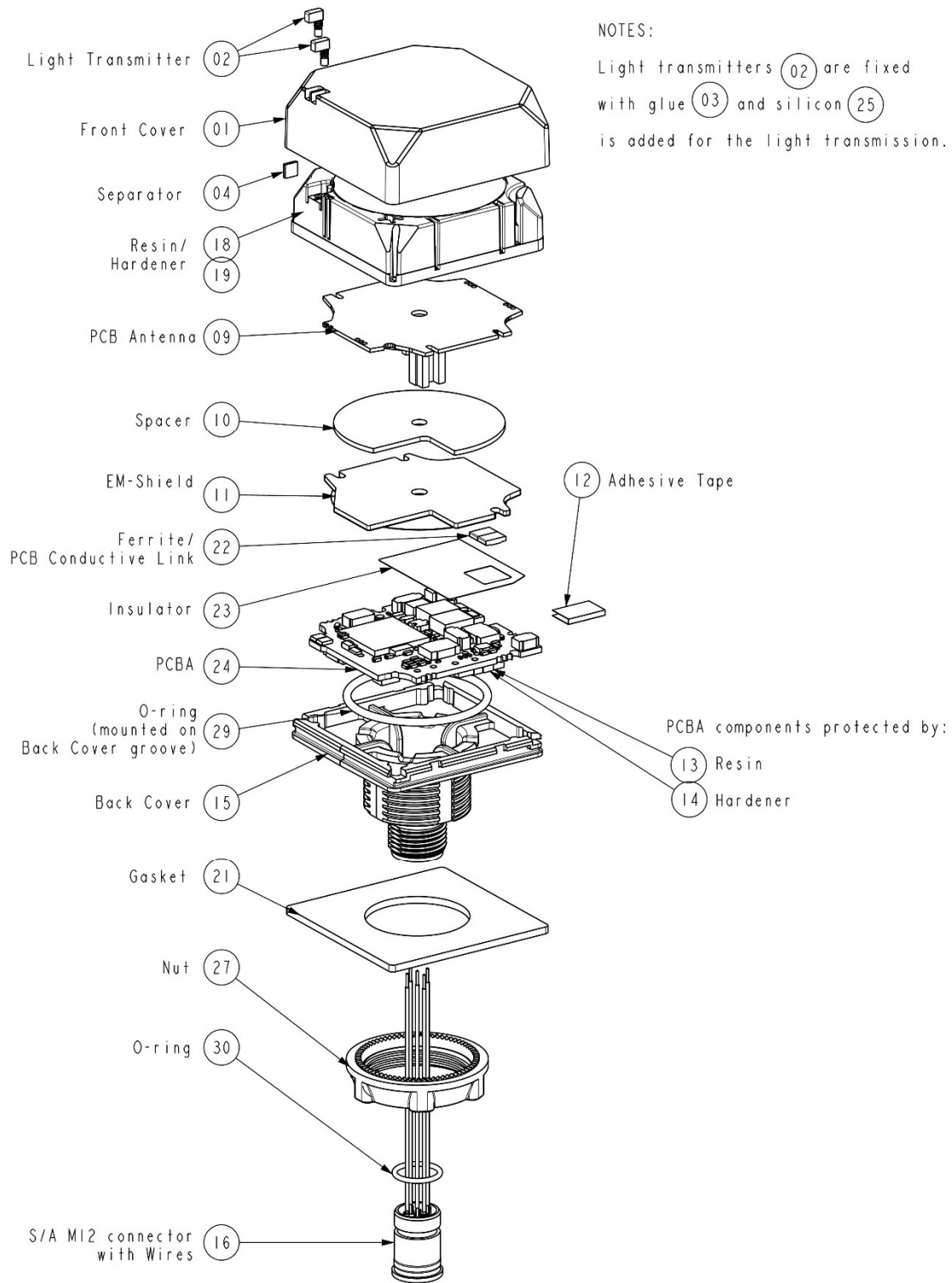
Both models **XGCS490B201** and **XGCS49LB201** share the same internal structure and the same circuit boards. They only differ from their enclosure material :

- **XGCS490B201** uses an opaque (blue) material, that hides the customer LEDs,
- **XGCS49LB201** uses a translucent (white) material, that allows to see the customer LEDs.

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

5.1 – Internal structure

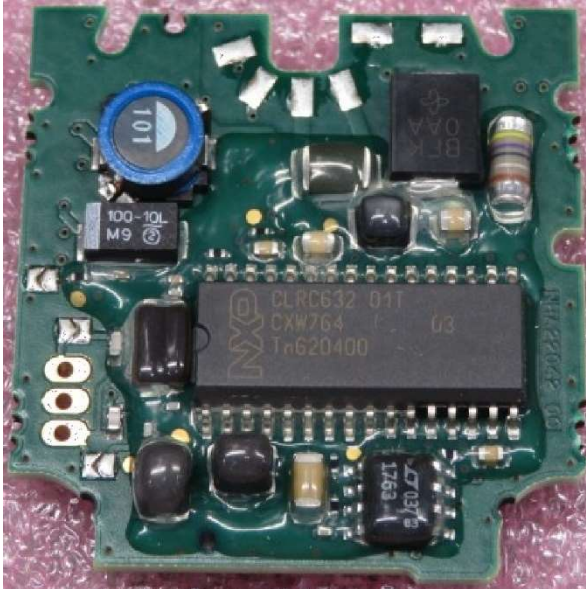
Internal structure is as below :



5.2 – Main board

PCBA (with components) : NHA44232–09

PCB (w/out components) : NHA22042–00



Components side (TOP)

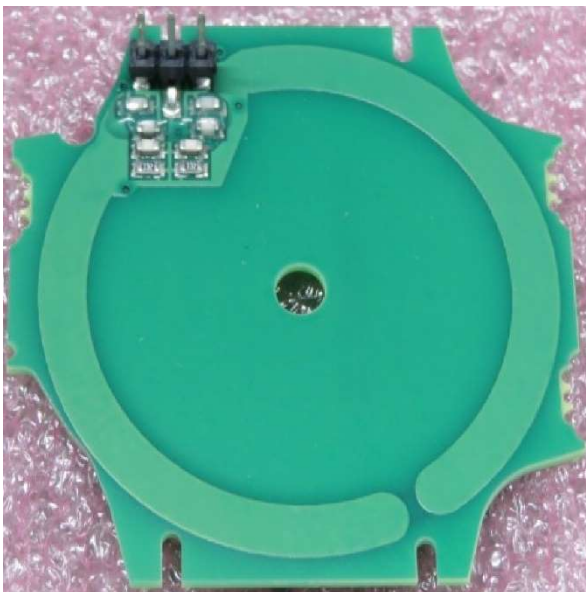


Solder side (BOTTOM)

5.3 – Antenna board

PCBA (with components) : W816574060111–14

PCB (w/out components) : NVE98563–01



Components side (TOP)



Coil side (BOTTOM)