5 – Internal construction

The electronic hardware of Harmony RFID compact stations **ZB5SKR01** 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.

Harmony **ZB5SKR01** shares the same internal structure as Ositrack **XGCS491B201**.
Both products only differ from their connection mode :

- **XGCS491B201** uses 3 wires integrated cable,
- **XGCS491B201** uses a M12 (male) 5 pins connector.

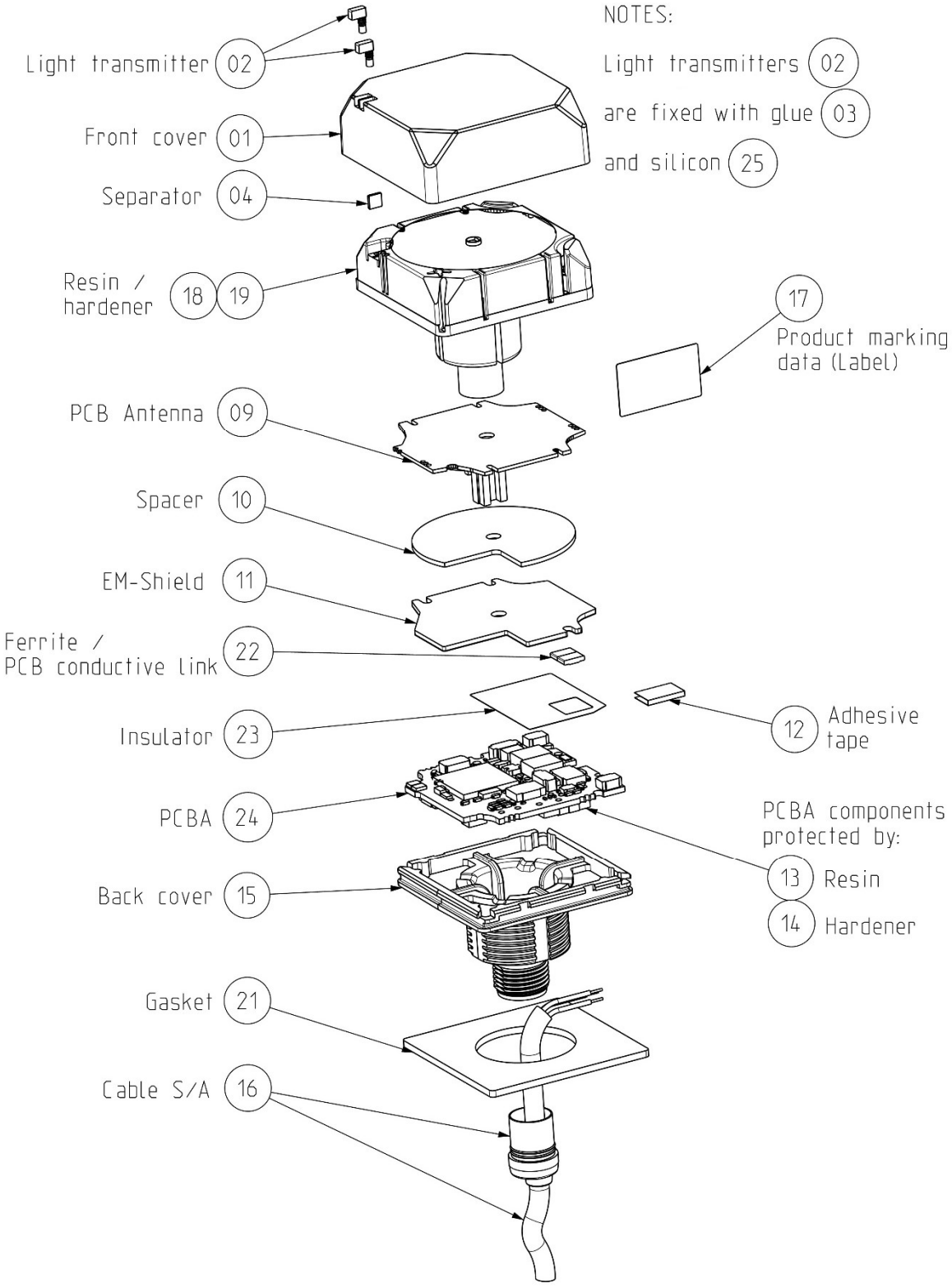
Harmony **ZB5SKR01** shares also the same circuit boards as Ositrack **XGCS491B201** :

- same main board, but with a slightly different applicative software (without impact on radio and/or EMC characteristics),
- same antenna 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

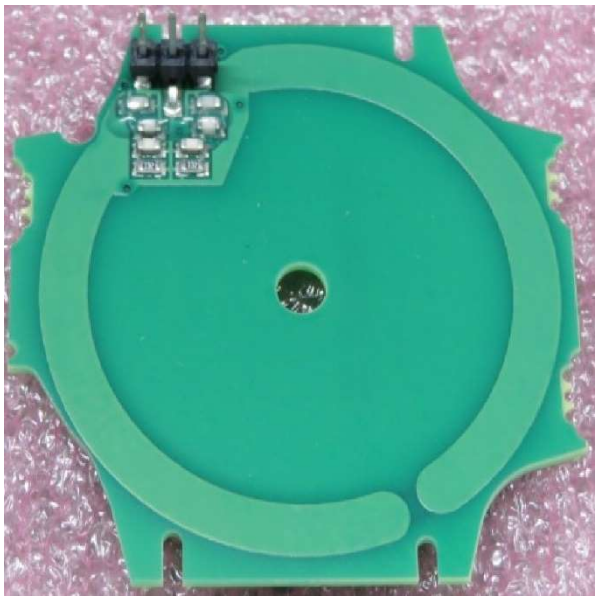
PCBA (with components) : NNZ52906–03
PCB (w/out components) : NHA93098–03

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)