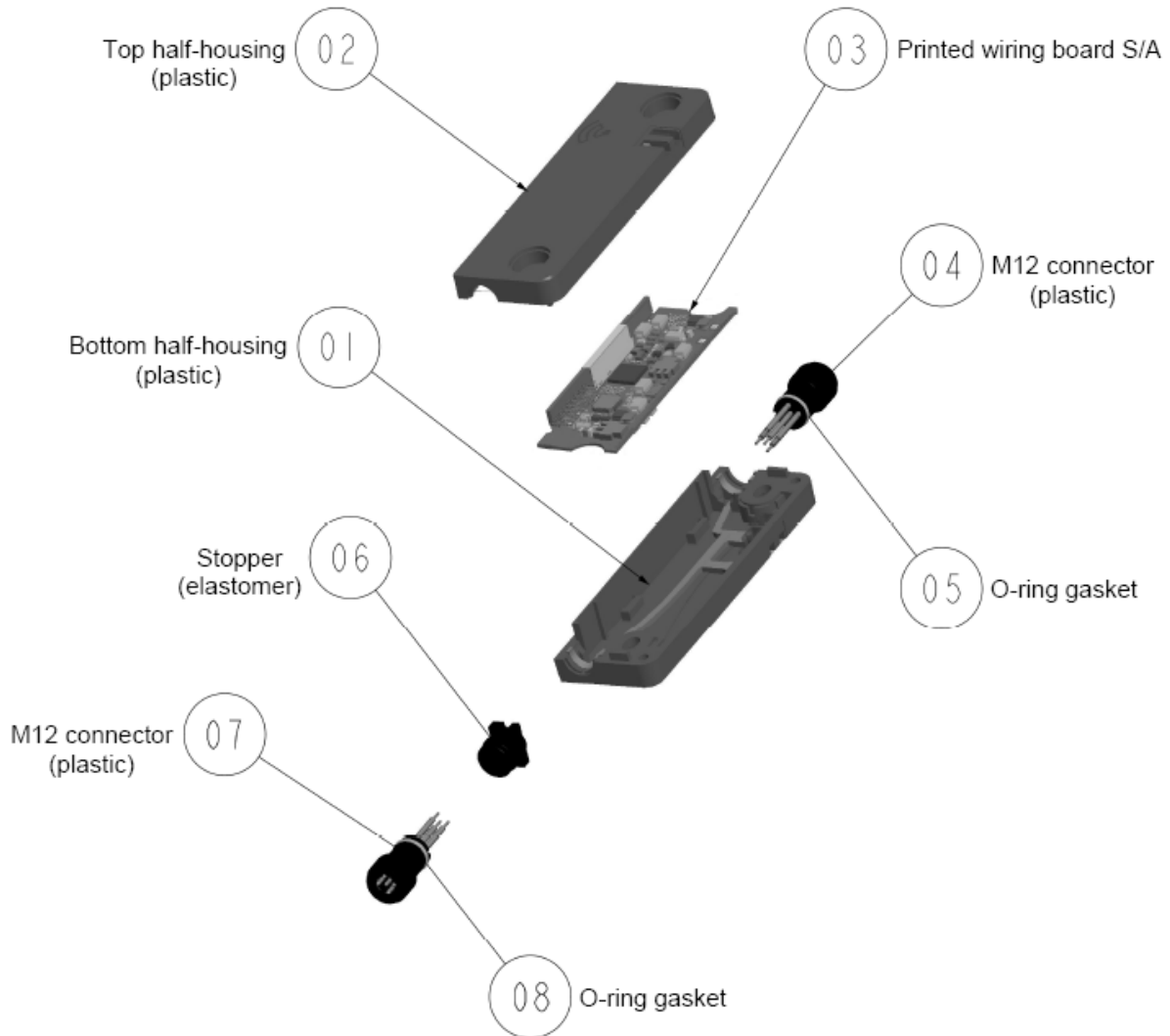


The electronic of XCSR SAFARID safety interlock switches is composed of 2 boards :

- 1 - the antenna board, which integrates a printed coil (antenna) and all components for tuning of the antenna and RFID communication,
- 2 - the main board, which integrates the power supply, the micro-controllers and all components for I/O circuits.

Internal structure of the products is as below :



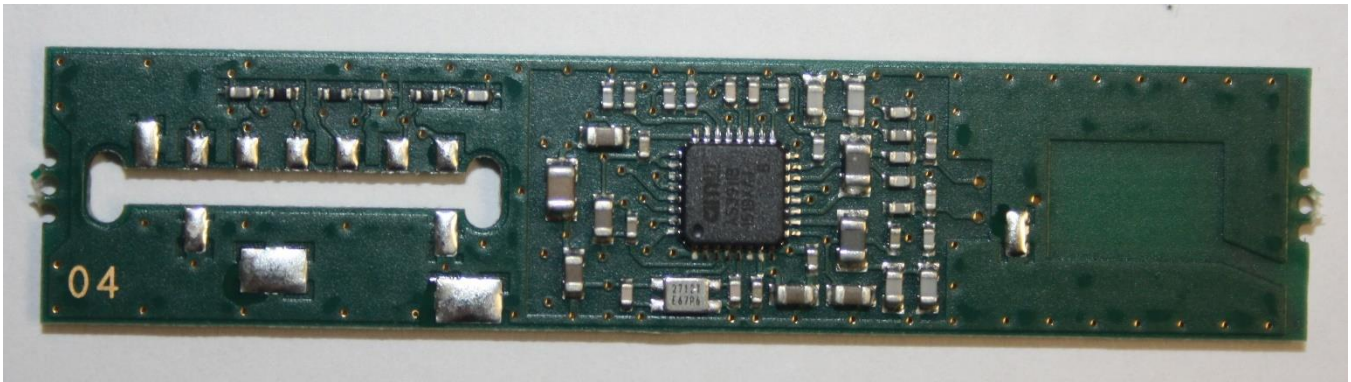
Note 1 : Stopper (item 06) is only provided with "single" and "stand-alone" versions (versions with one connector).
 "Daisy-chain" versions provides a second M12 connector (item 07) and gasket (item 08) in place of stopper.

Note 2 : Printed wiring board S/A (item 03) includes the antenna board, the main board and an EMC shield.

All versions share the same printed circuit boards, but may differ from a few components soldered on these boards (see table and parts lists in section 10).

Antenna board

The antenna board is strictly identical for all versions.



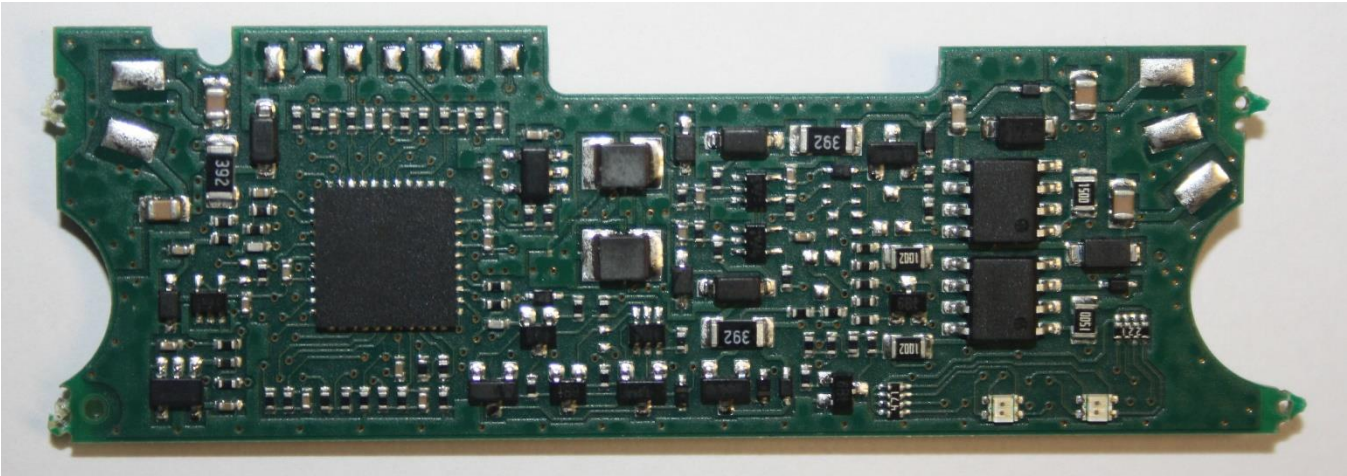
Components side (TOP)



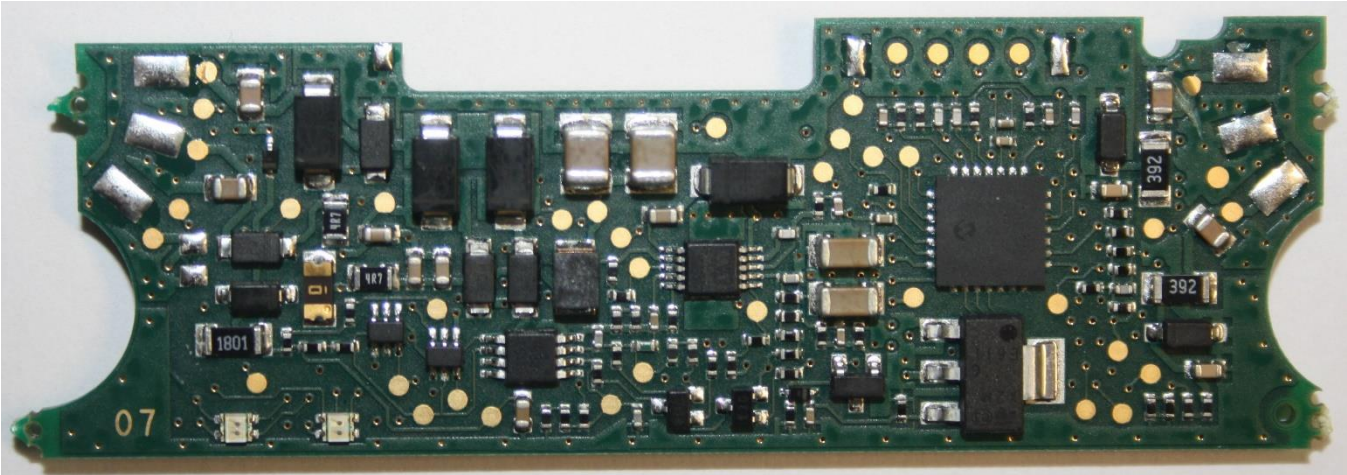
Coil side (BOTTOM)

Main board

Single & Daisy-chain versions :

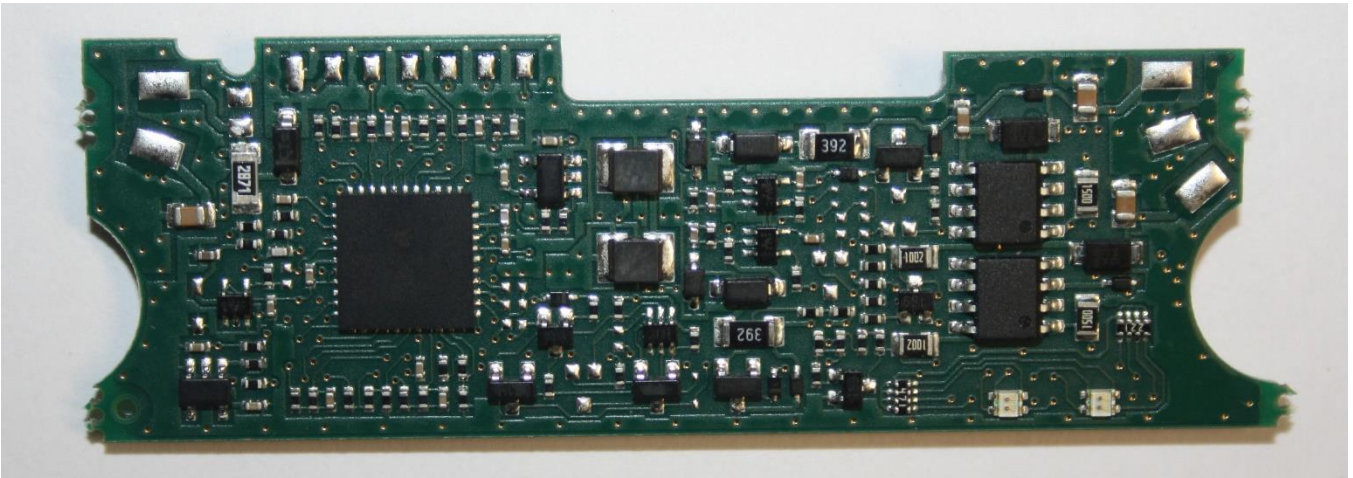


Components side (TOP)

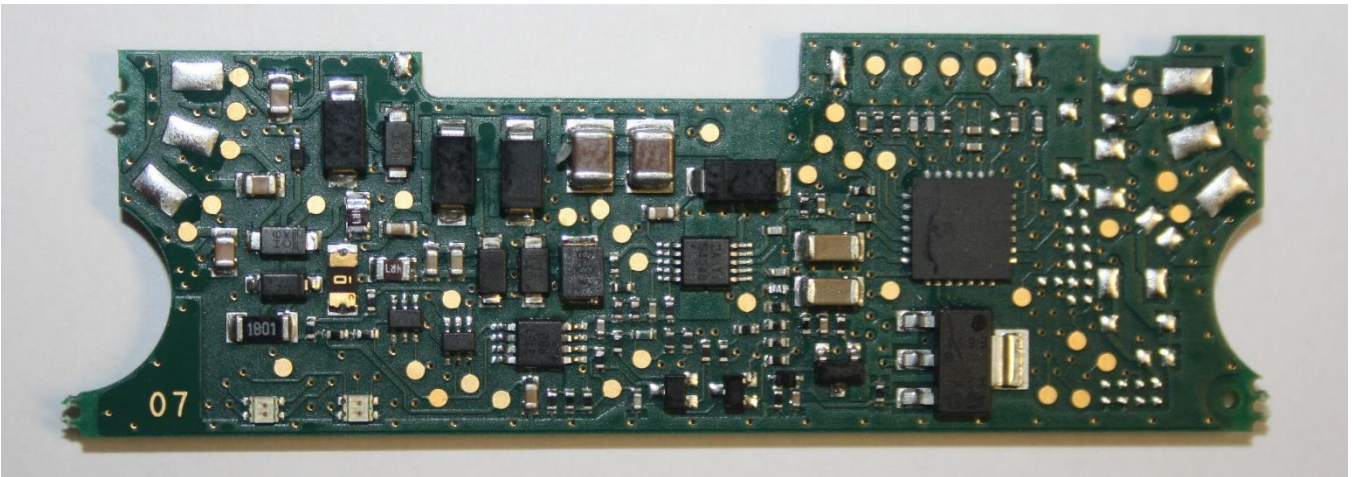


Solder side (BOTTOM)

Stand-alone version :



Components side (TOP)



Solder side (BOTTOM)