Block Diagram of FOB

FOB (Passive Start and Entry)

V_Bat

CR2032 / 3V
+
-
GND

3Dir. LF antenna

RF PCB antenna

LF communication
Passive-Function

ENABLE
SCK(4MHz)
SDIO
CLK OUT

Micro Processor
PCF7953

Transmitter IC
PCF7900

RF communication
RKE
433.92MHz

LF communication
Immobilizer-Function

Switches

X-tal
13.08148MHz

GND GND GND GND GND GND GND GND GND GND