

# Mifare Card Reader

- Operating Configuration
  - Transceiver : MFRC500 CMOS Chip
  - Carrier Frequency : 13.56MHz
  - Data Transmission : 100% AM Modulation
- Circuit Diagram
- Operation Procedure
  - Microprocessor sets SRT to LOW level to activate MFRC500.
  - MFRC500 emit RF field with 13.56MHz carrier.
  - It starts to demodulation any AM signal seen on the antenna within 55msec.
  - Microprocessor detects no card within 55msec then deactivate MFRC500.
  - Microprocessor executes every 200msec above procedure.

