X-NUCLEO-NFC01A1
Dynamic NFC tag expansion board based on M24SR for STM32 Nucleo

Features
- M24SR64-Y Dynamic NFC/RFID tag IC
- NFC antenna: 31 mm x 30 mm 13.56 MHz double layer inductive antenna etched on the PCB (ANT14)
- Compatible with STM32 Nucleo boards
- Equipped with Arduino UNO R3 connector
- Powered through the Arduino UNO R3 connectors
- 3 color LEDs for general purpose

Description
The X-NUCLEO-NFC01A1 is a Dynamic NFC tag evaluation board to allow expansion of the STM32 Nucleo boards. It is compatible with the Arduino UNO R3 connector layout and it is designed around the M24SR64-Y. The M24SR64-Y device is a dynamic NFC/RFID tag IC with a dual interface. It embeds a 64 Kbit EEPROM memory. It can be operated from an I2C interface or by a 13.56 MHz RFID reader or a NFC phone.

The board is powered through the Arduino UNO R3 connectors. It also includes three LEDs for general purpose.

Figure 1. Functional block diagram

The board includes an M24SR device which is connected to the Arduino UNO R3 connectors. It also includes an NFC antenna and three LEDs for general purpose.

For further information contact your local STMicroelectronics sales office.
1 Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
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<tbody>
<tr>
<td>19-Jun-2014</td>
<td>1</td>
<td>Initial release.</td>
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