

SNFC1000-M

TI RF430CL330H
DYNAMIC NFC INTERFACE TRANSPONDER
UART Interface



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Documentation History

Revision	Description	Date	Remark
V0.1	SNFC1000 release	Nov 2013	
V0.2	Cable specification TX,RX voltage Command flow chart		



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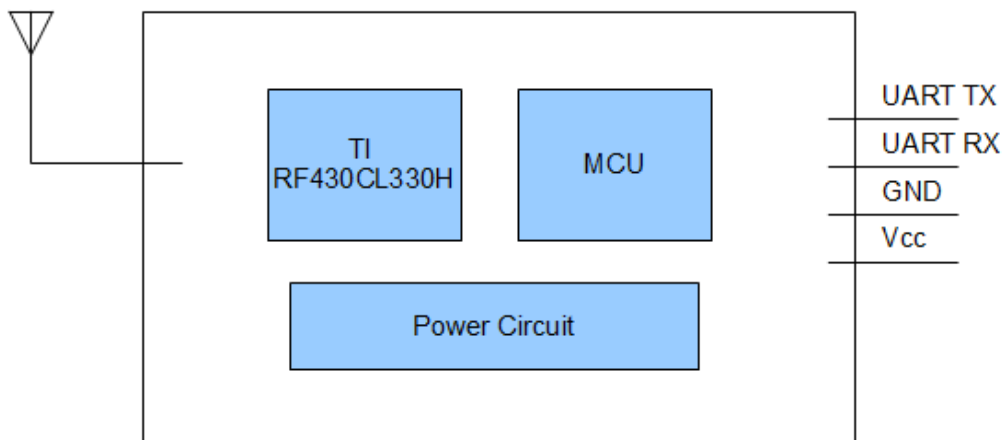
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Features

- NFC Tag Type 4.
- 3kB SRAM for NDEF Messages.
- ISO14443B Compliant 13.56-MHz RF Interface .
- Automatic Checking of NDEF Structure.
- Supports up to 848 kbps .
- Low power consumption.
- UART Interface to Write and Read NDEF NDEF Read or Write Completion Messages to Internal SRAM
- Application:
Automotive
Home entertainment system
Stereo Speaker

Block Diagram



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Technical Specifications

1. Electrical Characteristics

1.1 Chip set	NFC Chip MCU	TI RF430CL330H ST STM8
1.2 Interface	UART Baud Rate	115200
1.3 Power	Input voltage Current	5V +/- 3% 10mA @ 5V max

2. Environmental Characteristics

2.1 Temperature	Operating range Storage	- 30 °C to + 80 °C - 40 °C to + 105 °C
2.2 Mechanical dimensions	Diameter	30 X 15 mm
2.3 Interface		6 pin male connector (Pitch 1.0)

3. Software

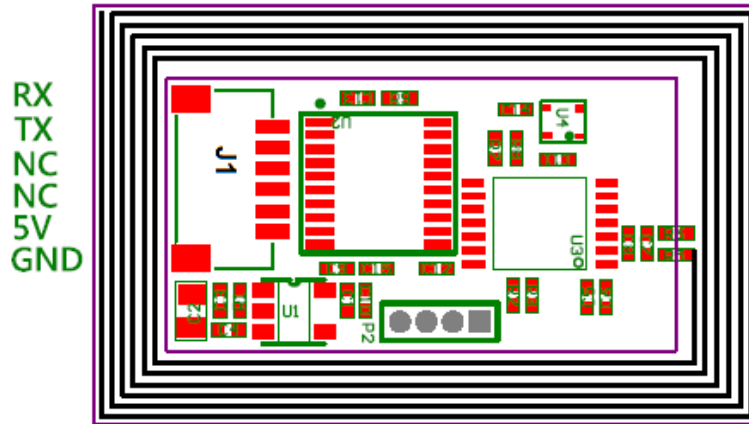
3.1 Interface	UART
3.2 Command	NFC Command Manual



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PIN Definition (J1)



Pin #	Name	Type	Description
1	RX	I/O	UART input RX, 3.3V +/- 3%
2	TX	I/O	UART output TX, 3.3V +/- 3%
3	NC	NC	
4	NC	NC	
5	Vcc	PWR	DC 5V +/- 3%
6	GND	PWR	Ground

1*6 Pitch 1.0mm

Male connector on SNFC1000

(CSI-1182-061R from CSTCONN - www.cstconn.com)

Female connector for Wire

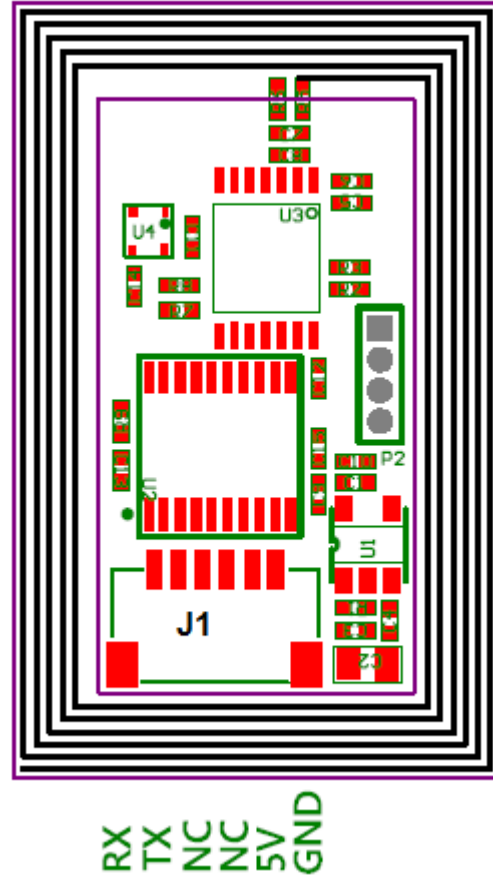
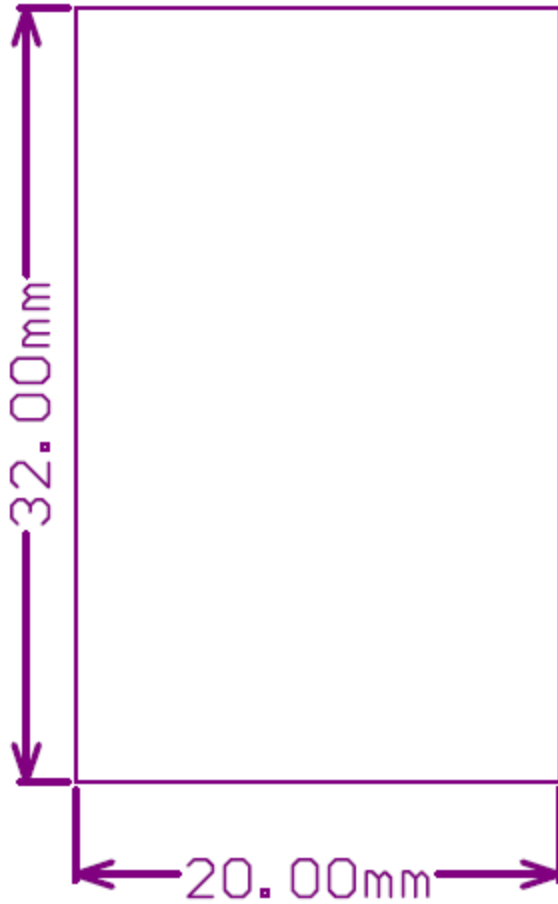
(CSI-1183-0600 from CSTCONN - www.cstconn.com)



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Dimension



Software

1. Proprietary command: NFC command manual under request



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