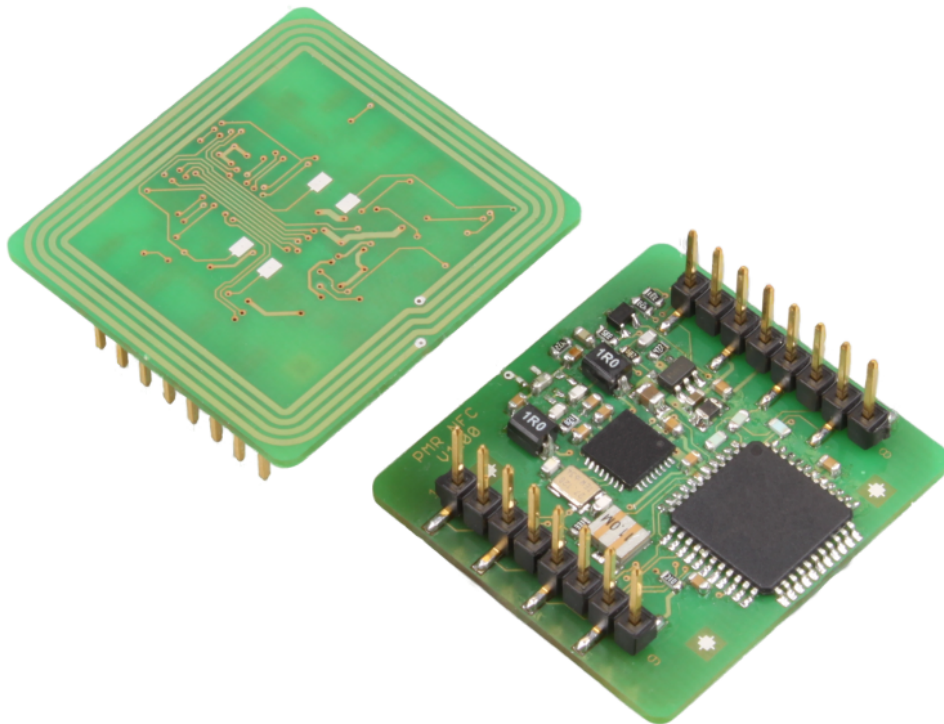


TWN4

MultiTech Mini

DocRev1, May 13, 2016



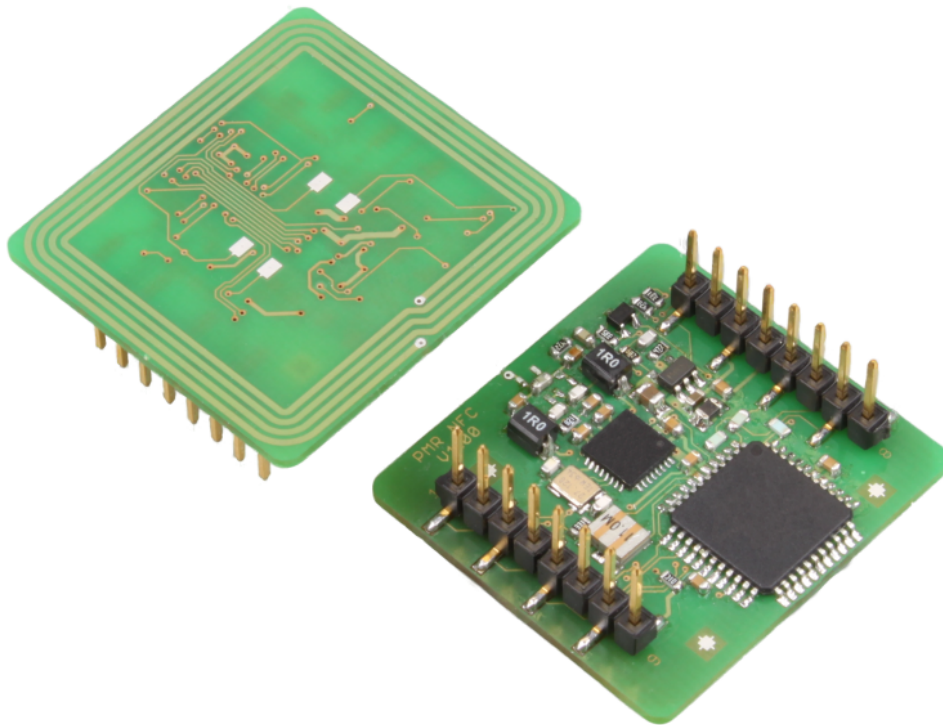
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1 Introduction

TWN4 MultiTech Mini is a module to be integrated on custom PCB. It has a built-in HF antenna and subset of IOs compared to TWN4 Core Module. TWN4 Mini Reader is currently available as version TWN4 Mini Reader MIFARE NFC.



2 Connectors

The TWN4 Mini Reader has two on-board single row headers with 8 positions each. The pins of these two connectors are together enumerated from 1 to 16.

- Single row header
- Pitch 2.54mm
- Pin shape square 0.635mm

Pin	Pin Name	Function
1	RESET-	Low active TTL input with internal pull-up resistor for hard re-set.
2	PWRDWN-	Low active TTL input with internal pull-up resistor for turning off the voltage regulator.
3	GND	Ground
4	VIN	Unregulated input to on-board voltage regulator
5	RXD-	Low active TTL input with internal pull-up resistor of asynchronous RXD to COM1.
6	TXD-	Low active TTL output (push/pull) of asynchronous TXD from COM1.
7	Res.	Reserved for future use (intended for SCK from SPI host interface).
8	Res.	Reserved for future use (intended for SS- from SPI host interface).
9	VCC	Internally regulated 3.0V power supply. To be used for SAM1.
10	SAM_IO	I/O line for SAM1.
11	GPIO3	GPIO3, I/O pin for general purposes.
12	GPIO2	GPIO2, I/O pin for general purposes.
13	GPIO1	GPIO1, I/O pin for general purposes.
14	GPIO0	GPIO0, I/O pin for general purposes.
15	SAM_CLK	Clock output for SAM1
16	SAM_RST	Reset output for SAM1

3 Disclaimer

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