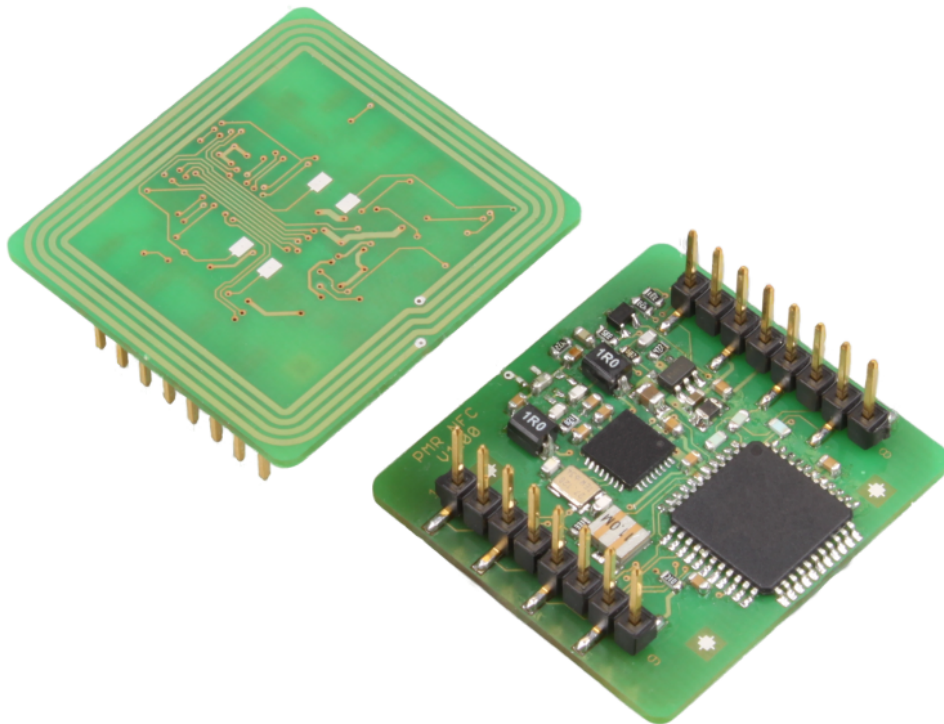


TWN4

MultiTech Mini

DocRev3, January 23, 2018



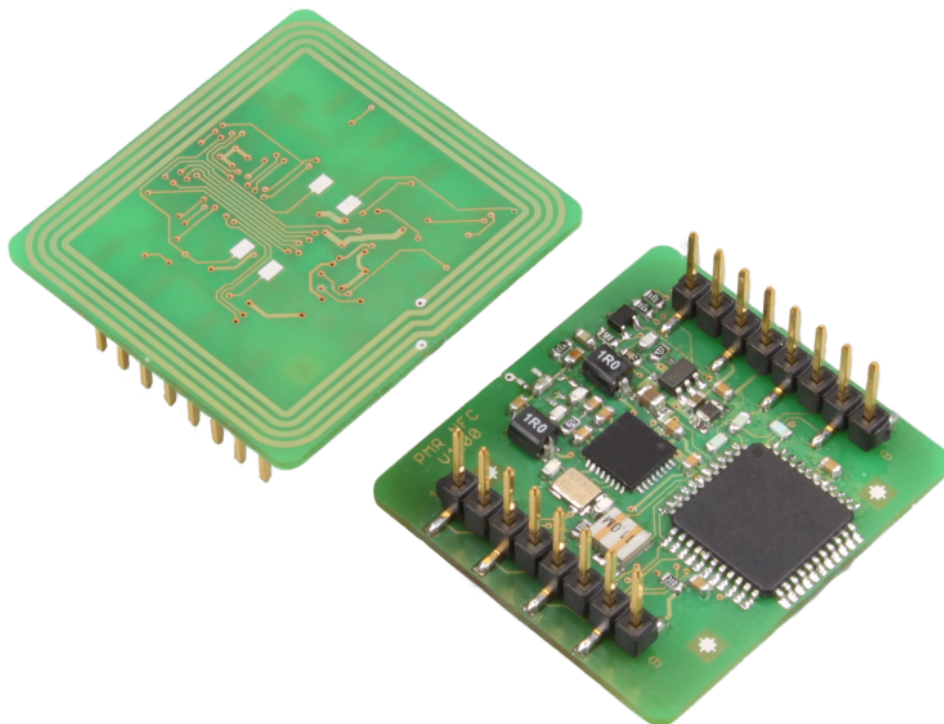
Elatec GmbH

Contents

1 Introduction	3
2 Connectors	4
3 Disclaimer	5

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

Elatec reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. Elatec declines all responsibility for the use of product with any other specifications but the ones mentioned above. Any additional requirement for a specific custom application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

All referenced brands, product names, service names and trademarks mentioned in this document are the property of their respective owners.