

deRFBreakout Board for pluggable radio modules Datasheet

- § The deRFBreakout Board is a general purpose I/O board to interface all pluggable types of dresden elektronik radio modules with custom peripheral hardware.
- § Screw terminals and standard pin connectors give easy access all ports of the radio module.
- § The standard JTAG programming connectors for AVR and ARM are assembled and the necessary pull-up resistors are onboard.
- § 10 pin screw terminal reserved for power supply connections.
- § The board itself has no active components and no power consumption.

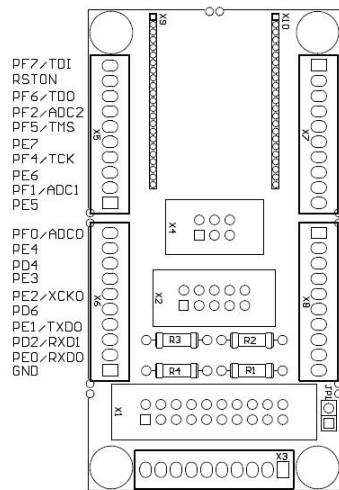


Technical Data

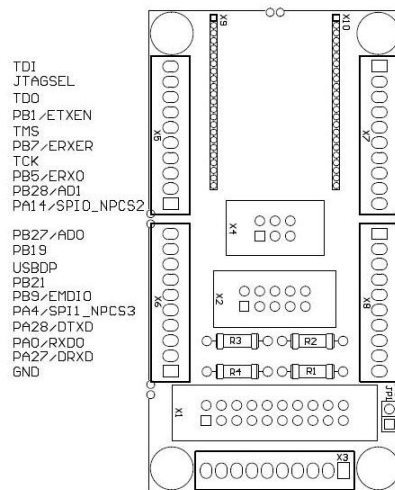
Dimensions	80 x 42 x 15 mm (without radio module)
IP protection	IP 00
Operating temperature	-40 to +85°C
Interfaces	1 x 10 pin JTAG AVR 1 x 20 pin JTAG ARM 1 x 6 pin DEBUG 1 x 2 pin SAM-BA™ support 4 x 10 pin screw terminals for GPIO 1 x 10 pin screw terminal for VCC and GND 2 x 23 pin socket for deRF radio modules
Supported Radio Modules	deRFarm7 series (pluggable) deRFmega128 series (pluggable)

Technical Data

Board Overlay



Top View deRFBreakout Board
for deRFmega128 series



Top View deRFBreakout Board
for deRFarm7 series

Header	Description
X1	JTAG ARM
X2	JTAG AVR
X3	Power Supply (5xVCC, 5xGND)
X4	DEBUG
X5	GPIO

Header	Description
X6	GPIO
X7	GPIO
X8	GPIO
X9	Radio module socket
X10	Radio module socket
JP1	connect TCK with RTCK à support for SAM-BA™

Scope of delivery

deRFBreakout Board

Order No.

BN-032688

Accessories (optional)

RS232 Level Shifter
USB Level Shifter Stick Basic
USB Level Shifter Stick Low Power

BN-028560
BN-031648
BN-031645

Order online: <http://www.dresden-elektronik.de/shop/cat4.html>

Overlay

Order Information

Contact

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