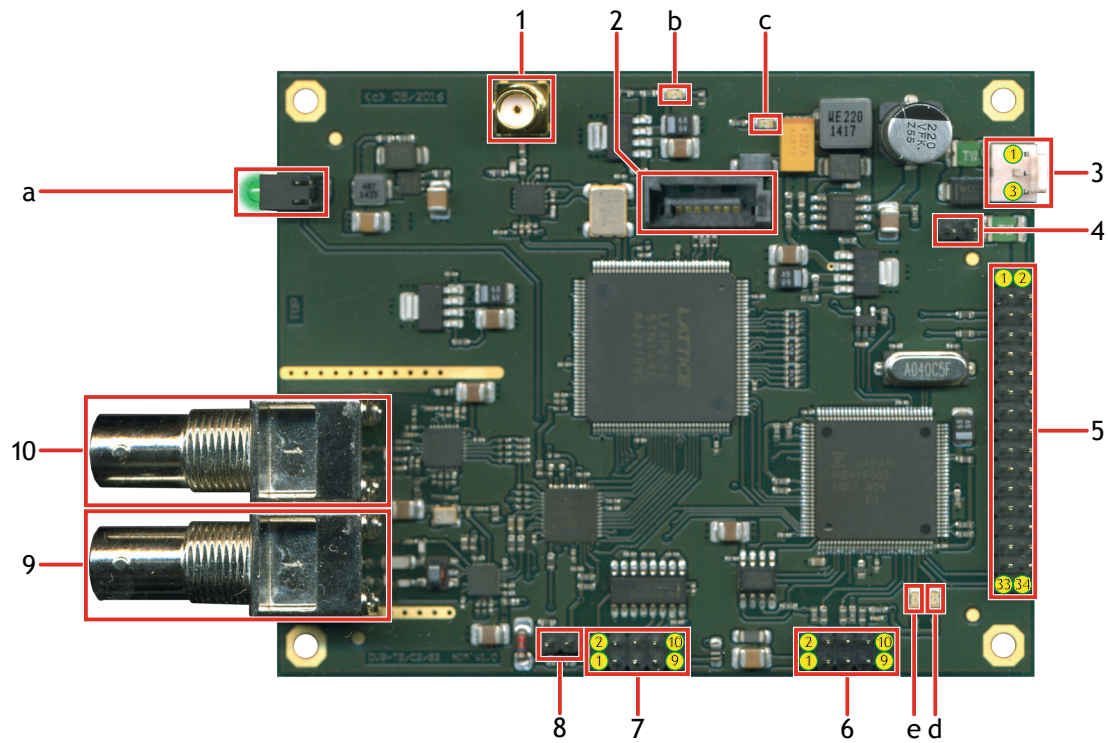


1 Connector description



Board dimensions: 100x80 mm

Connectors	1	SMA socket	ASI Out
	2	7pin Header	Board-to-Board-Connector 👉 note: this is not a SATA-Port. Do not attach any SATA devices here!
	3	Power Input	7-24 V=
	4	2pin Header	5 V for TS Connector on/off
	5	34pin Header	TS Output
	6	10pin Header	LCD-Connector I ² C
	7	10pin Header	RS232 (115k2, 8N1)
	8	2pin Header	MCU Prog. mode on/off
	9	BNC socket	DVB C/C2/T/T2/ISDB-T Input
	10	BNC socket	DVB-S/S2/S2X Input
LEDs	a	LED green	RF Lock
	b	LED	3.3 V=ok
	c	LED	5.0 V= ok
	d	LED	Tuner ok
	e	LED	MCU run

2 Pin description

3 – Power input		
1	GND	2, 3 10–16 V=

4 – 5V for TS out connector	
open	no voltage for TS connector (5)
close	+5.0 V for TS connector (5)

5 – Transport Stream Output			
1	+5.0 V	2	+5.0 V
3	+5.0 V	4	+5.0 V
5	SDA	6	not connected
7	SCL	8	xReset
9	GND	10	GND
11	TSCLK in/out	12	PSYM
13	not connected	14	DVAL
15	TS 6	16	TS 7
17	TS 4	18	TS 5
19	TS 2	20	TS 3
21	TS 0	22	TS 1
23	GND	24	GND
25	SD Out (f. E.*)	26	PLL THR (f. E.*)
27	SDCLK (f. E.*)	28	SD In (f. E.*)
29	GND	30	GND
31	MCLK 27 MHz	32	ASCLK (f. E.*)
33	RST Vid. Codec	34	not connected

*f.E. = for Encoders

6 – LCD Connector I²C-Bus			
1	+5.0 V	2	+5.0 V
3	SDA	4	SDA
5	SCL	6	SCL
7	Reset	8	IRQ
9	GND	10	GND

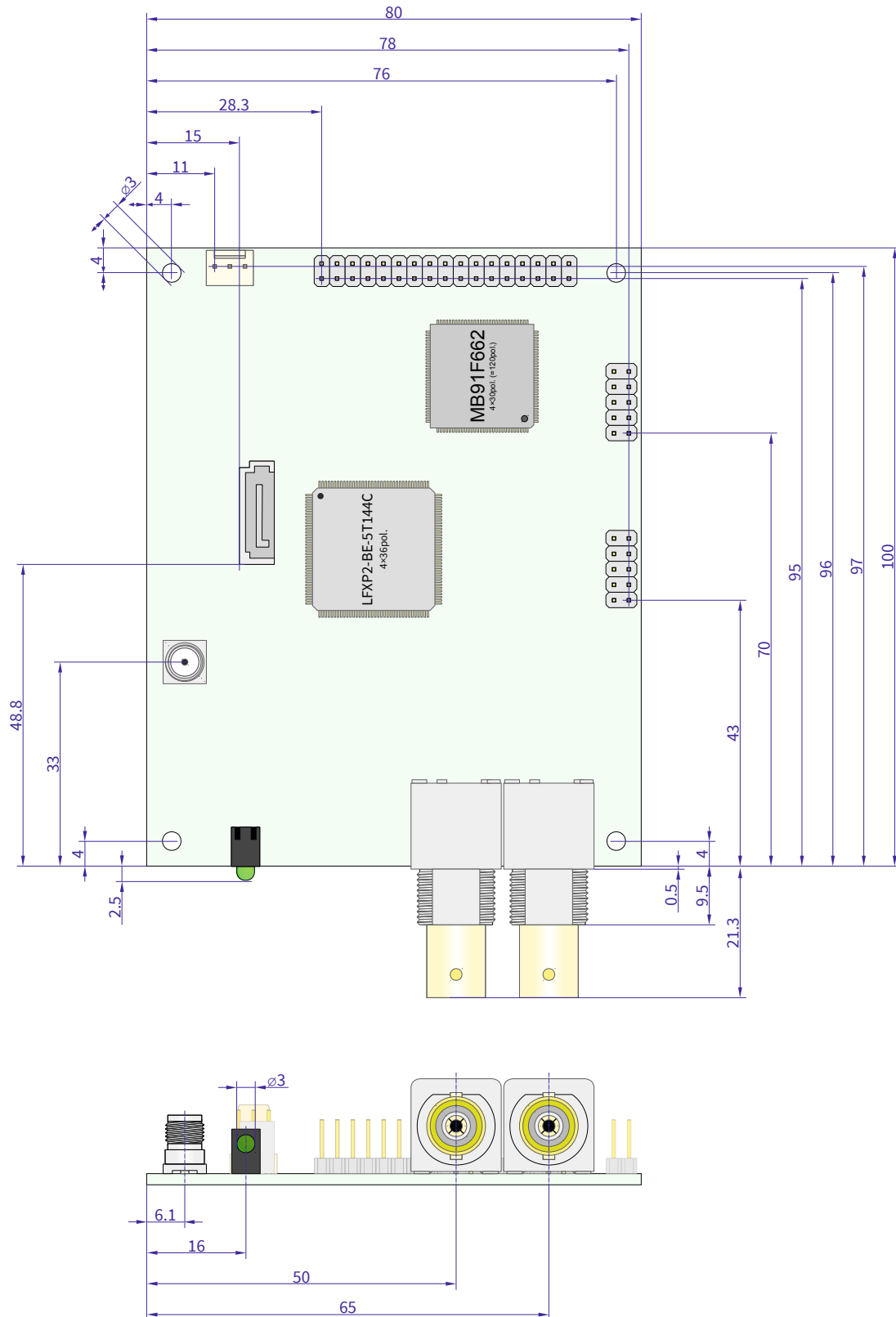
7 – RS232			
1	Mode	2	TxD
3	RxD	4	con. with 6+7
5	GND	6	con. with 4+7
7	con. with 4+6	8	not connected
9	Reset	10	GND

8 – Prog. mode for MCU	
open	Prog. mode OFF
close	Prog. mode ON

3 Specification

Board dimensions	100×80 mm
Board weight	<50 g
Voltage	10–16 V=
Power consumption	~3 W
RF Frequency range DVB-C/C2/T/T2	42 MHz–1002 MHz in 1 kHz-steps
RF Frequency range DVB-S/S2/S2X	950 MHz–2150 MHz in 1 kHz-steps
Symbol rate DVB-S/S2/S2X	1–60 MSymbols

4 Dimensional drawing



Errata/corrections:

2016-09-15 First release

2016-10-07 Pin numbering corrected

The information in this manual was compiled with great care and to our best knowledge; nevertheless there might be some errors left in this document. We do not take legal or any other responsibility for the correctness of any information.

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We are happy to receive your comments and questions:

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