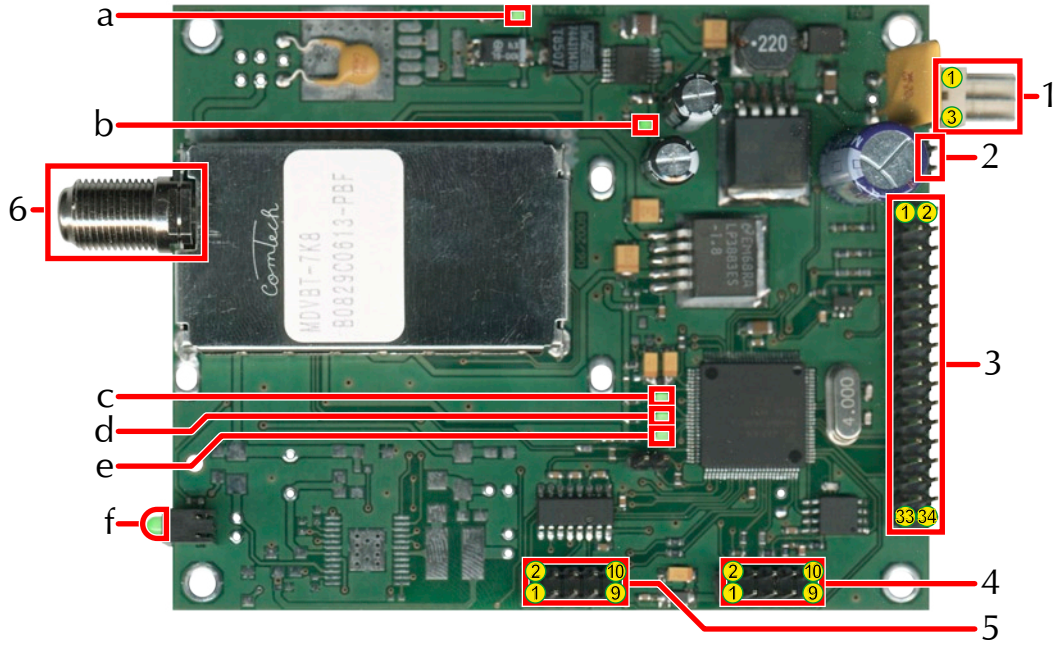
1 Board Overview



board dimensions: 100×80 mm

Connectors	1	3pin Header	Power Input
	2	Jumper	Power Jumper
	3	34pin Header	Transportstream Output
	4	10pin Header	I²C-Bus for Display + Keyunit
	5	10pin Header	RS232
	6	F Connector 75 Ω	RF input

LEDs	a	LED green	3,3 V ok
	b	LED green	5 V ok
	c	LED green	RF Lock
	d	LED green	NIM found
	e	LED green	alive
	f	LED green	RF Lock (same as c)

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2 Connector description

1 – Power Input

1	+9.0 ... +15.0 V
2	GND
3	GND

2 – Power Jumper

must be ***set*** when powered over TS or if an *ASI out*-Board is connected, otherwise must be ***unset***.

3 – TS out

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	TS CLK	12	TS PSYM
13	not connected	14	TS DVAL
15	TS 6	16	TS 7

3 – TS out

17	TS 4	18	TS 5
19	TS 2	20	TS 3
21	TS 0	22	TS 1
23	GND	24	GND
25	reserved	26	reserved
27	reserved	28	reserved
29	GND	30	GND
31	not connected	32	not connected
33	not connected	34	not connected

4 – I²C (Display + Keyunit)

1	+5.0 V	2	+5.0 V
3	SDA	4	SDA
5	SCL	6	SCL
7	Reset-In	8	IRQ
9	GND	10	GND

5 – RS232

1	not connected	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	not connected	10	GND

Errata/corrections:

07.10.2009 First release.

The information in this manual was compiled with high 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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