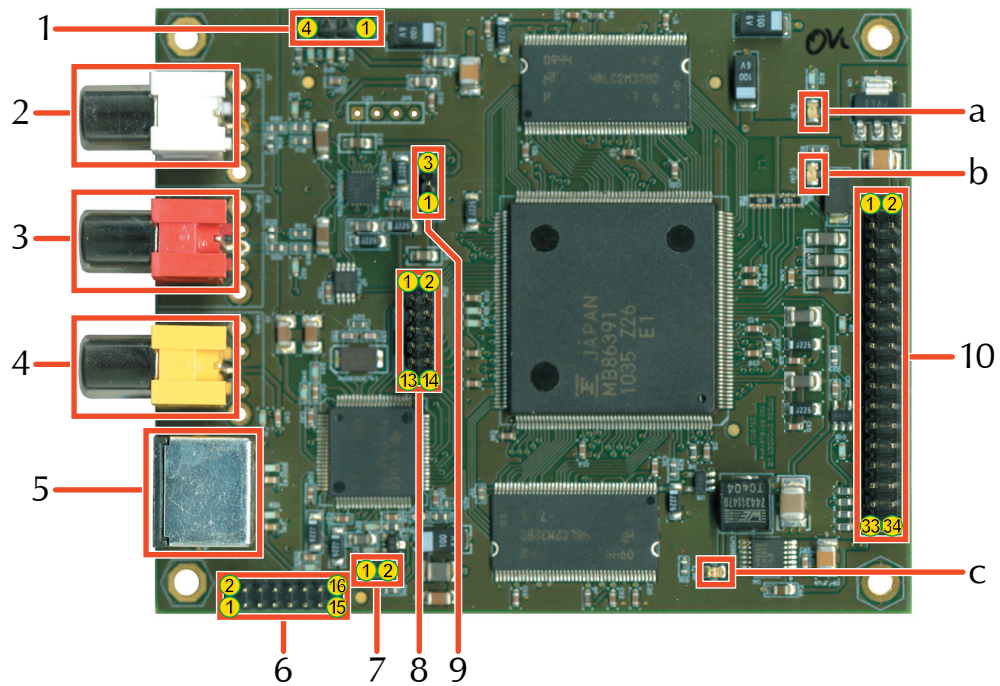


1 Connector description



board dimensions: 80×100 mm

Connectors	1	4pin Header	ext. I ² C-Bus
	2	RCA plug audio left	0 dB signal level
	3	RCA plug audio right	Signal level adaption only possible after circuit change on the Encoder board!
	4	RCA plug video	Supported standards PAL/NTSC
	5	S-Video	Y/C video input
	6	16pin Header	ext. video and audio input
	7	2pin Header	video codec on/off
	8	14pin Header	ITU-656
	9	3pin Header	ext. audio input
	10	34pin Header	TS _{out} connection to modulator/multiplexor

LEDs	a	LED green	Voltage 3.3 V ok
	b	LED green	Voltage 5.0 V ok
	c	LED red	Voltage 1.8 V ok

2 Pin description

1 – ext. PC-Bus	
1	GND
2	+5.0 V
3	SDA
4	SCL

5 – Control			
1	PLL Clk	2	PLL Data
3	PLL En2	4	PLL En1
11	GND	12	GND
13	IF in (50 MHz)	14	GND

6 – ext. Video + Audio			
1	GND	2	S/P-DIF
3	GND	4	Audio L
5	GND	6	Audio R
7	GND	8	CVBS
9	GND	10	Y or G
11	GND	12	C/Cb or B
13	GND	14	Cr or R
15	GND	16	+5.0 V

7 – Video codec on/off	
bridge to disable video codec	

8 – ITU-656			
1	+3.3 V	2	GND
3	not connected	4	not connected
5	VCLK	6	GND
7	DVideo 0	8	DVideo 1
9	DVideo 2	10	DVideo 3
11	DVideo 4	12	DVideo 5
13	DVideo 6	14	DVideo 7

9 – ext. AF in	
1	Audio R
2	GND
3	Audio L

10 – 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	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

Errata/corrections:

25.05.2011 First release

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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