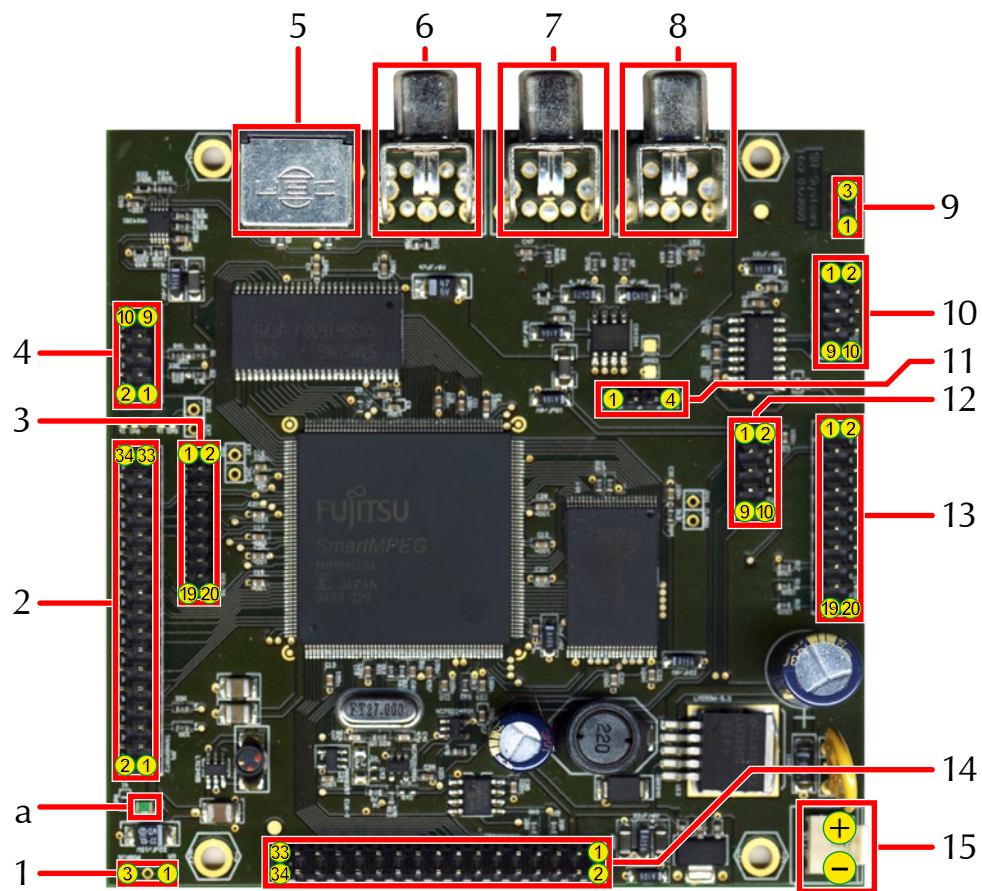


1 Connector description



board dimensions: 100×100 mm

Connectors	1	3pin Header	IR Diode
	2	34pin Header	Transport Stream B
	3	20pin Header	ITU 656 [in or out]
	4	10pin Header	I ² C Frontpanel
	5	Mini-DIN Connector	S-Video
	6	RCA Connector	Composite Video
	7	RCA Connector	Audio R
	8	RCA Connector	Audio L
	9	3pin Header	RS232 (9k6-115k2 8N1)
	10	10pin Header	RS232 (9k6-115k2 8N1)
	11	4pin Header	I ² S Audioport
	12	10pin Header	Debug port
	13	20pin Header	opt. RGB out + S/P-DIF
	14	34pin Header	Transport Stream A
	15	2way screw terminal	Power in (8-24 V)

LEDs	a	LED green	Power ok (5 V)

2 Pin description

1 – IR-Diode		
1	+5.0 V	
3	GND	
3	Signal	

2 – Transport Stream B			
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 B	12	PSYM B
13	not connected	14	DVAL B
15	TS B6	16	TS B7
17	TS B4	18	TS B5
19	TS B2	20	TS B3
21	TS B0	22	TS B1
23	GND	24	GND
25	not connected	26	not connected
27	not connected	28	not connected
29	GND	30	GND
31	MCLK 27 MHz	32	not connected
33	not connected	34	not connected

3 – ITU 656 (in or out)			
1	TS B0	2	GND
3	TS B1	4	GND
5	TS B2	6	GND
7	TS B3	8	GND
9	TS B4	10	GND
11	TS B5	12	GND
13	TS B6	14	GND
15	TS B7	16	GND
17	PSYM B	18	DVAL B
19	TSCLK B	20	+5.0 V

4 – PC Frontpanel			
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

9 – RS232	
1	TxD
3	TxD
3	GND

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

11 – PS Audioport	
1	DATA
2	SCLK
3	LRCK
4	MCLK

12 – Debug Port			
1	+5.0 V	2	+3.3 V
3	DB-Clk (27 MHz)	4	GND
5	DB-In	6	GND
7	DB-Out	8	GND
9	not connected	10	GND

13 – opt. RGB out + S/P-DIF			
1	+5.0 V	2	+3.3 V
3	IR-In	4	GND
5	S/P-DIF	6	GND
7	AF out (right)	8	GND
9	AF out (left)	10	GND
11	CVBS or Y	12	GND
13	Chroma	14	GND
15	Red	16	GND
17	Green	18	GND
33	Blue	34	GND

14 – Transport Stream A			
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 (f.E.*)
9	GND	10	GND
11	TSCLK A	12	PSYM A
13	not connected	14	DVAL A
15	TS A6	16	TS A7
17	TS A4	18	TS A5
19	TS A2	20	TS A3
21	TS A0	22	TS A1
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 Encoder

15 – Power input	
+	8–24 V DC
–	GND

Errata/corrections:

22.09.2010 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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