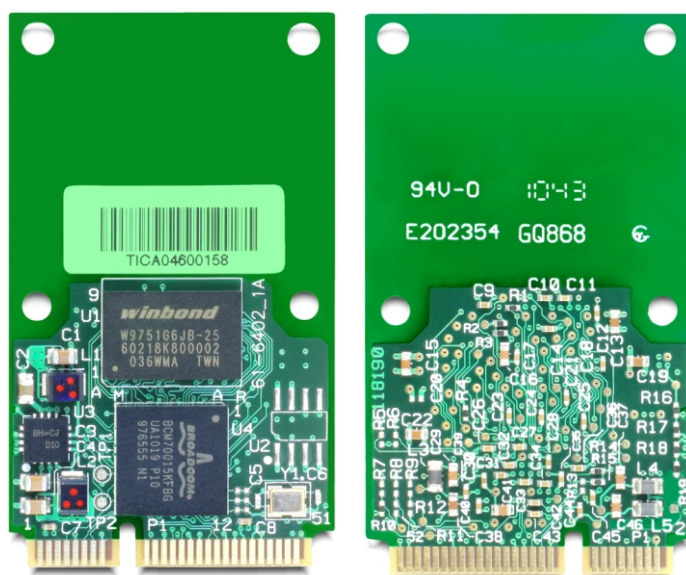


# Specification

## 95904

Delock industry mini PCI Express HD Video Decoder full-size

EAN: 4043619959044



date: 30.12.2010

# Specification

## 95904

Delock industry mini PCI Express HD Video Decoder full-size

EAN: 4043619959044

### Contents:

- Device overall description
- Features
- Block diagram
- Power consumption
- Software & OS support
- Pinout and definition
- Mechanical dimension

### Device overall description

The 95904 is a low-cost, low-power, highly integrated media processing solution for high definition (HD) video playback applications. It is targeted for PC/x86 applications such as playback of streaming video content, Blue-ray Discs, file-based content, and broadcast and other TV sources. It is designed for use in notebooks, Netbook, Ultra Mobile PC (UMPC), Mobile Internet Devices (MID) and Small Form Factor (SFF) and slim desktops.

The 95904 supports standard and high definition video decode of industry standard codecs like H.264/ AVC, MPEG-2, VC-1, WMV9, MPEG-4, DivX, Xvid, and AVS. It also provides integrated media security features including support for protected content playback using industry standard DRM or other content protection schemes. This includes support for AACs, Windows Media DRM and Adobe DRM.

### Features

- Industry standard Full Mini PCI Express Module
- Support for decoding up to one SD HD and one SD (HD+SD PIP) simultaneously
- Support for decoding up to 16 QCIF, 10 CIF, or 4 SD streams simultaneously
- Capable of 1.2x HD decode (with no secondary stream)
- Supports all resolutions from QCIF to 1920 x 1088
- H.264/AVC High Profile@Level 4.2 up to 40 Mbps
- VC-1 Advanced Profile@Level 3 up to 45 Mbps
- VC1 MP@HL, VC-1 SP@ML, WMV9
- MPEG-2 MP@LL, ML and HL at up to 80 Mbps
- DivX 3.11, 4.1, 5.X, 6.X, XviD
- MPEG-4 Part2 SP & ASP
- AVS1-P2 Jizhun Profile, Level 6.0

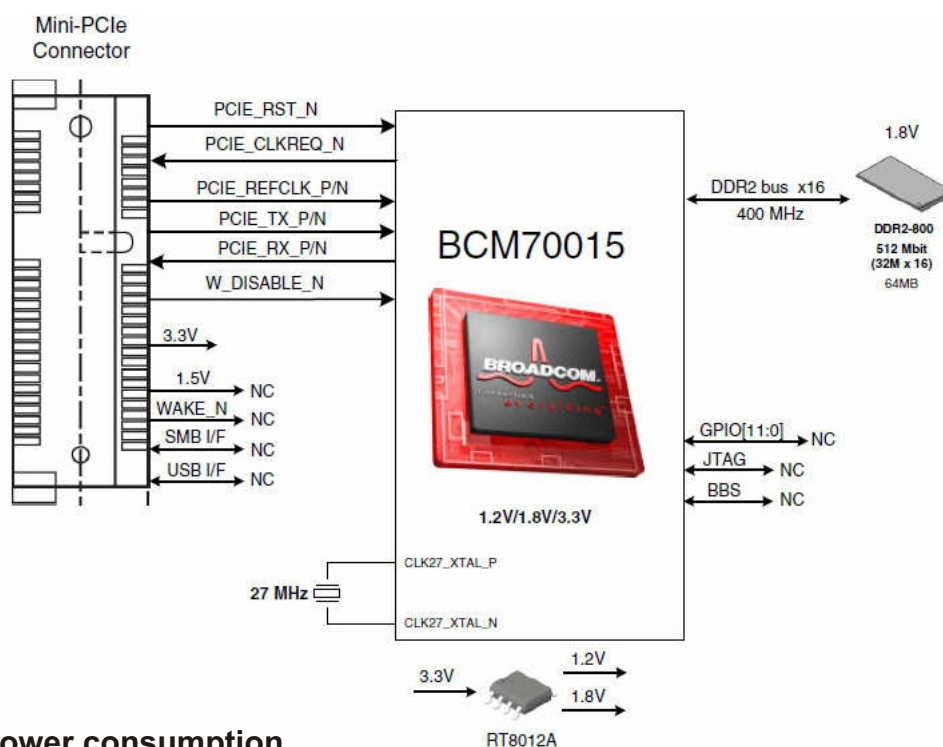
# Specification

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### Block Diagram



### Power consumption

Electrical characteristics	minimum	typical	maximum	units
Supply voltage	3	3,3	3,6	V
720p		0,121		A
1080p		0,227		A
Video stress tests		0,364		A
Idle		0,009		A

Temp. range	minimum	typical	maximum	units
Ambient operating temperature rage		TBD		°C
Storage temperature rage	-20		85	°C

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### OS support

- WindowsXP 32/64Bit Vista32/64Bit Windows7 32/64Bit
- Linux kernel>=2.6.11

Please refer below link [http://www.broadcom.com/support/crystal\\_hd/](http://www.broadcom.com/support/crystal_hd/)

### Pin Definition

Pin	Signale name	Pin	Signal name
1	Wake#	2	3,3Vaux
3	COEX1	4	Ground
5	COEX2	6	1,5V
7	CLKREQ#	8	UIM_PWR
9	Ground	10	UIM_DATA
11	REFCLK_N	12	UIM_CLK
13	REFCLK_P	14	UIM_RESET
15	Ground	16	UIM_VPP
17	Reserved (UIM_C8)	18	Ground
19	Reserved (UIM_C4)	20	W_DISABLE#
21	Ground	22	PERST#
23	PERn0	24	3,3Vaux
25	PERp0	26	Ground
27	Ground	28	1,5V
29	Ground	30	SMB_CLK
31	PETn0	32	SMB_DATA
33	PETp0	34	Ground
35	Ground	36	USB_D_N
37	Ground	38	USB_D_P
39	3,3Vaux	40	Ground
41	3,3Vaux	42	LED_WWAN#
43	Ground	44	LED_WLAN#
45	Reserved	46	LED_WPAN#
47	Reserved	48	1,5V
49	Reserved	50	Ground
51	Reserved	52	3,3Vaux

# Specification

## 95904

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### Mechanical Dimension

- 30mm x 50,958mm x 4.75mm (L x W x H) , compliant with PCI Express Mini card electromechanical specification revision 1.2

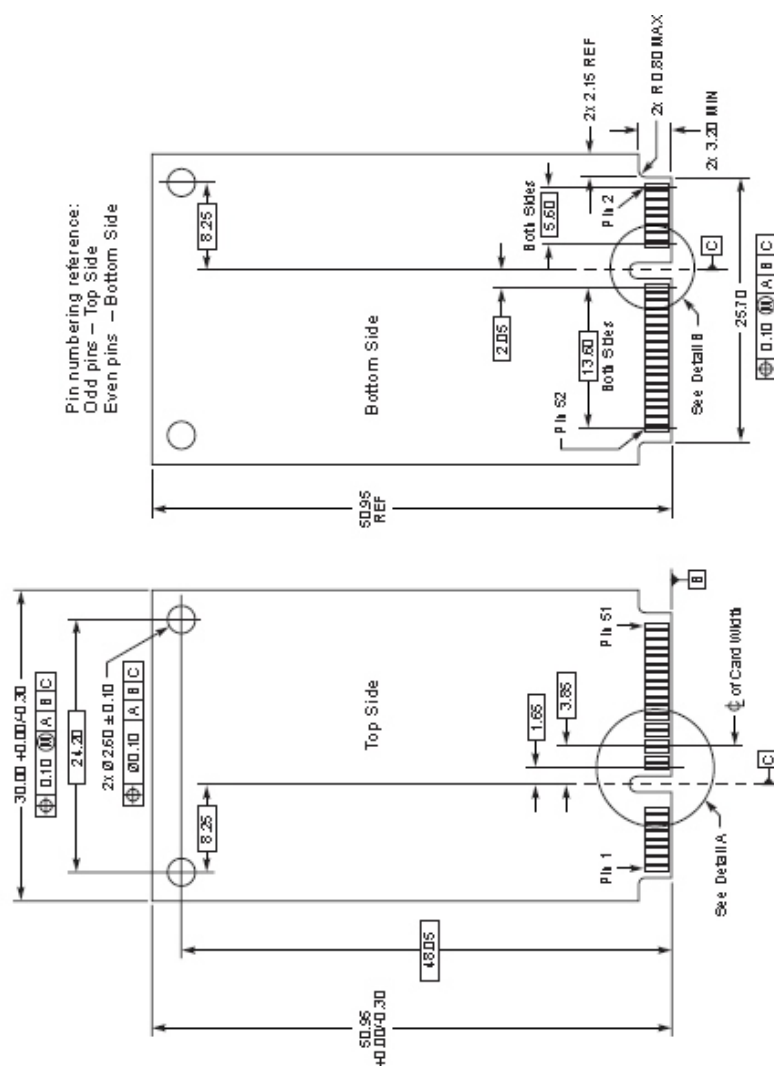


Figure 2-3: Full-Mini Card Top and Bottom