

ROSTEC *Engineering*

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ROSTEC GPU, General Purpose Unit

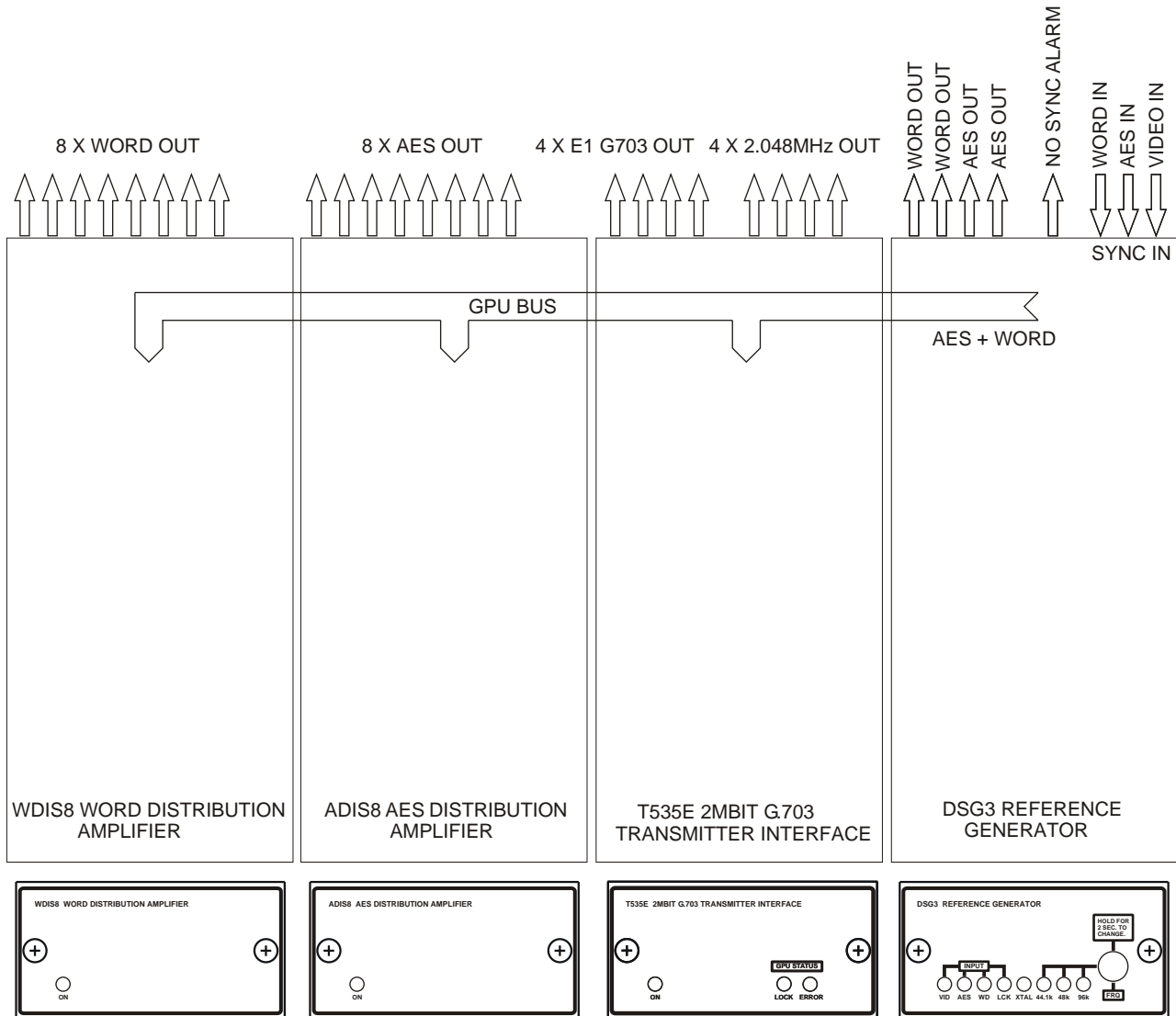
A few examples demonstrating the flexibility and versatility of the GPU frame.

In most normal configurations the GPU bus can carry the necessary signals between the modules. However, using the back panel connectors as input/output connections creates a wealth of possible configuration.

If in doubt, contact ROSTEC by phone fax or email.

EXAMPLE 1: SYNC REFERENCE GENERATION AND DISTRIBUTION

Outputs: 8 x Word, 8 x AES, 4 x E1 G703, 4 x 2.048 MHz
Reference: Internal X-TAL or external Word, AES, PAL Video

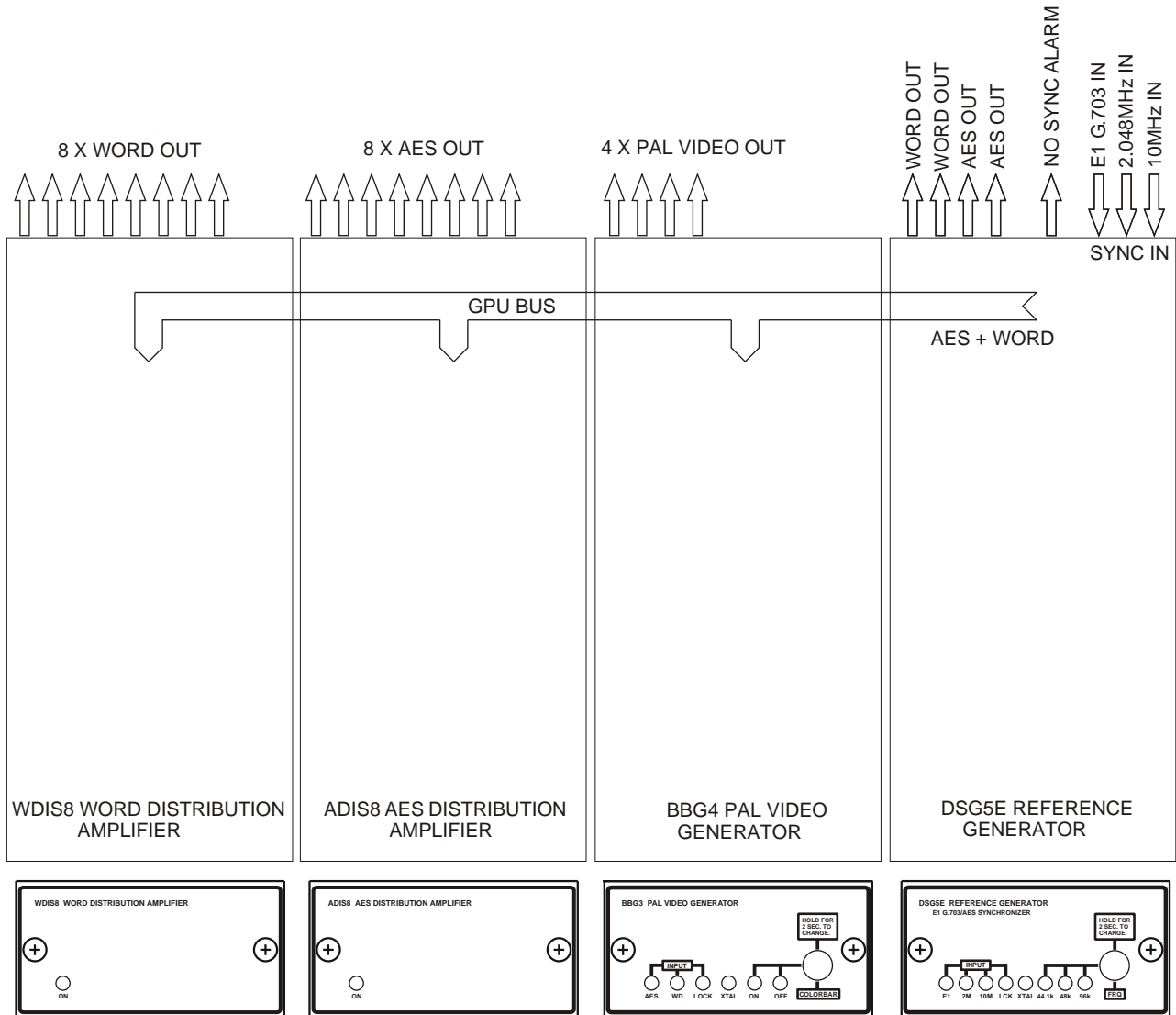


EDGE CONNECTOR	GPU BUS No	SIGNAL
16A	1	NOT USED
16C	2	RESET REQUEST
15A	3	NOT USED
15C	4	NOT USED
14A	5	NOT USED
14C	6	NOT USED
13A	7	WORD
13C	8	FRQ INFO 1
12A	9	FRQ INFO 2
12C	10	AES

EXAMPLE 2: SYNC REFERENCE GENERATION AND DISTRIBUTION

Outputs: 8 x Word, 8 x AES, 4 x PAL Video

Reference: Internal X-TAL or external E1 G703, 2.048 Mhz or 10 MHz

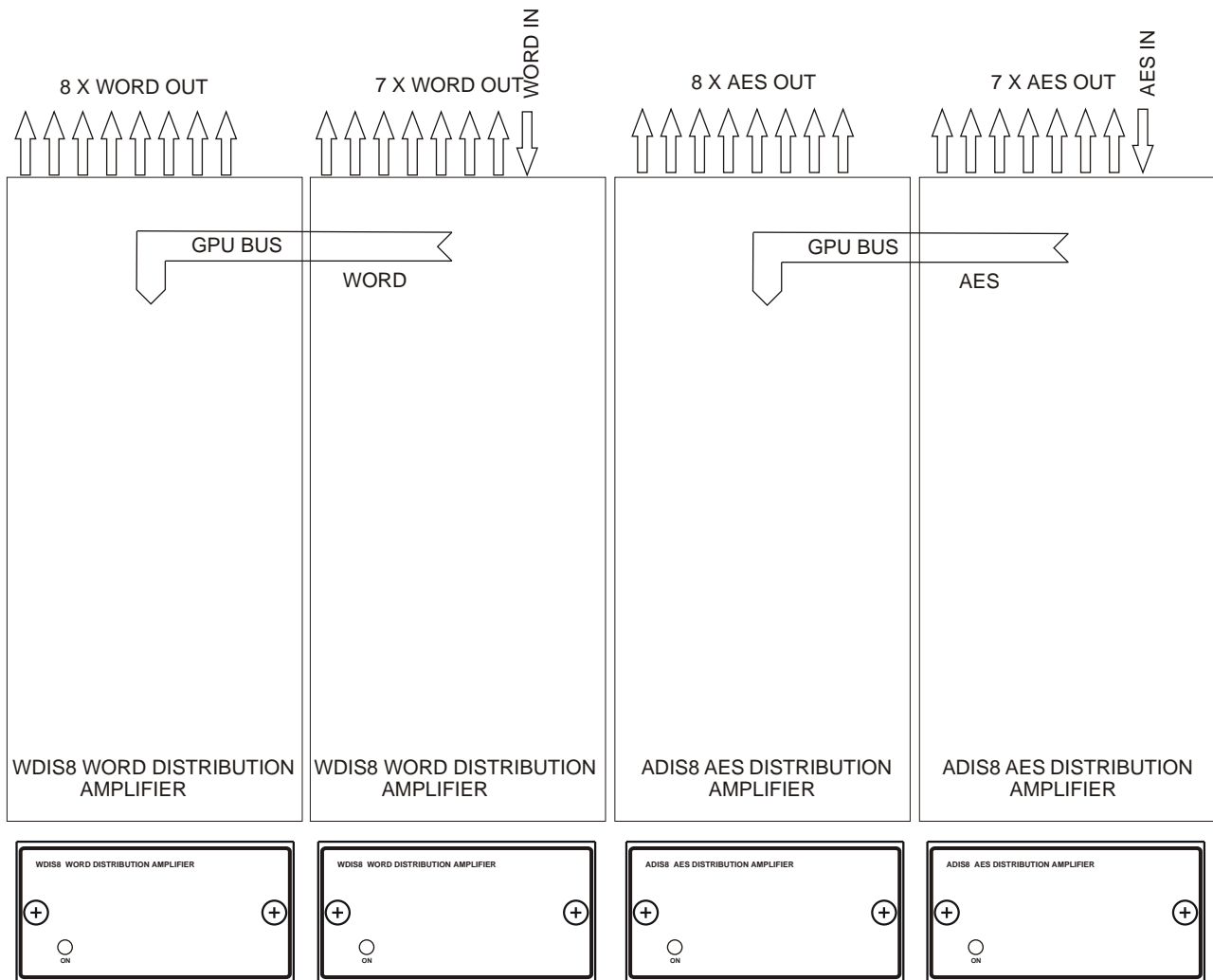


EDGE CONNECTOR	GPU BUS No	SIGNAL
16A	1	NOT USED
16C	2	RESET REQUEST
15A	3	NOT USED
15C	4	NOT USED
14A	5	NOT USED
14C	6	NOT USED
13A	7	WORD
13C	8	FRQ INFO 1
12A	9	FRQ INFO 2
12C	10	AES

EXAMPLE 3: SIGNAL DISTRIBUTION

Inputs: Word, AES (sync or digital audio)

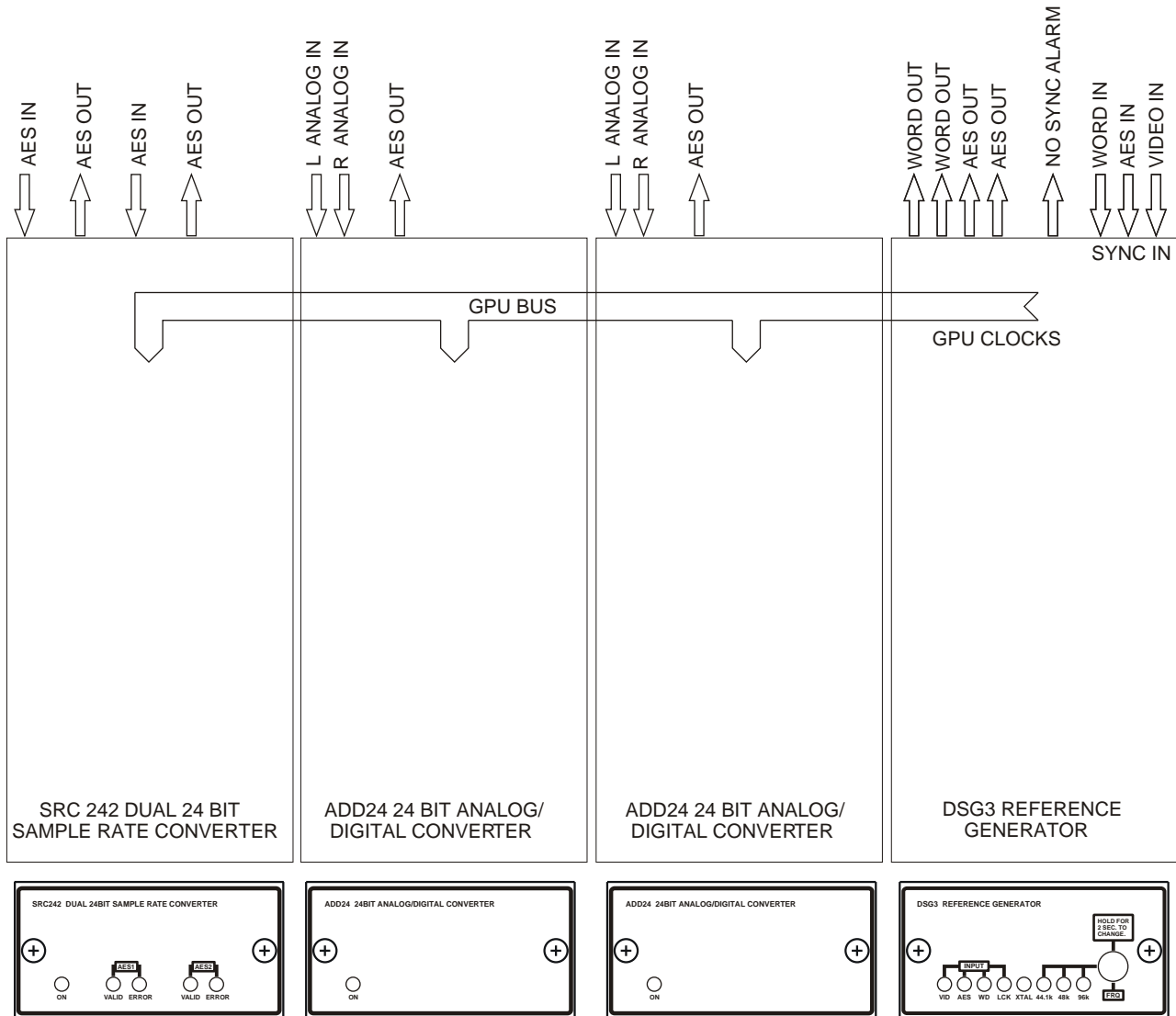
Outputs: 17 x Word, 17 x AES



EDGE CONNECTOR	GPU BUS No	SIGNAL
16A	1	NOT USED
16C	2	NOT USED
15A	3	NOT USED
15C	4	NOT USED
14A	5	NOT USED
14C	6	NOT USED
13A	7	WORD
13C	8	NOT USED
12A	9	NOT USED
12C	10	AES

EXAMPLE 4: ANALOG/DIGITAL AND SAMPLE RATE CONVERSION

Outputs: 2 x A/D converted AES, 2 x SR converted AES
Reference: Internal X-TAL or external Word, AES, PAL Video



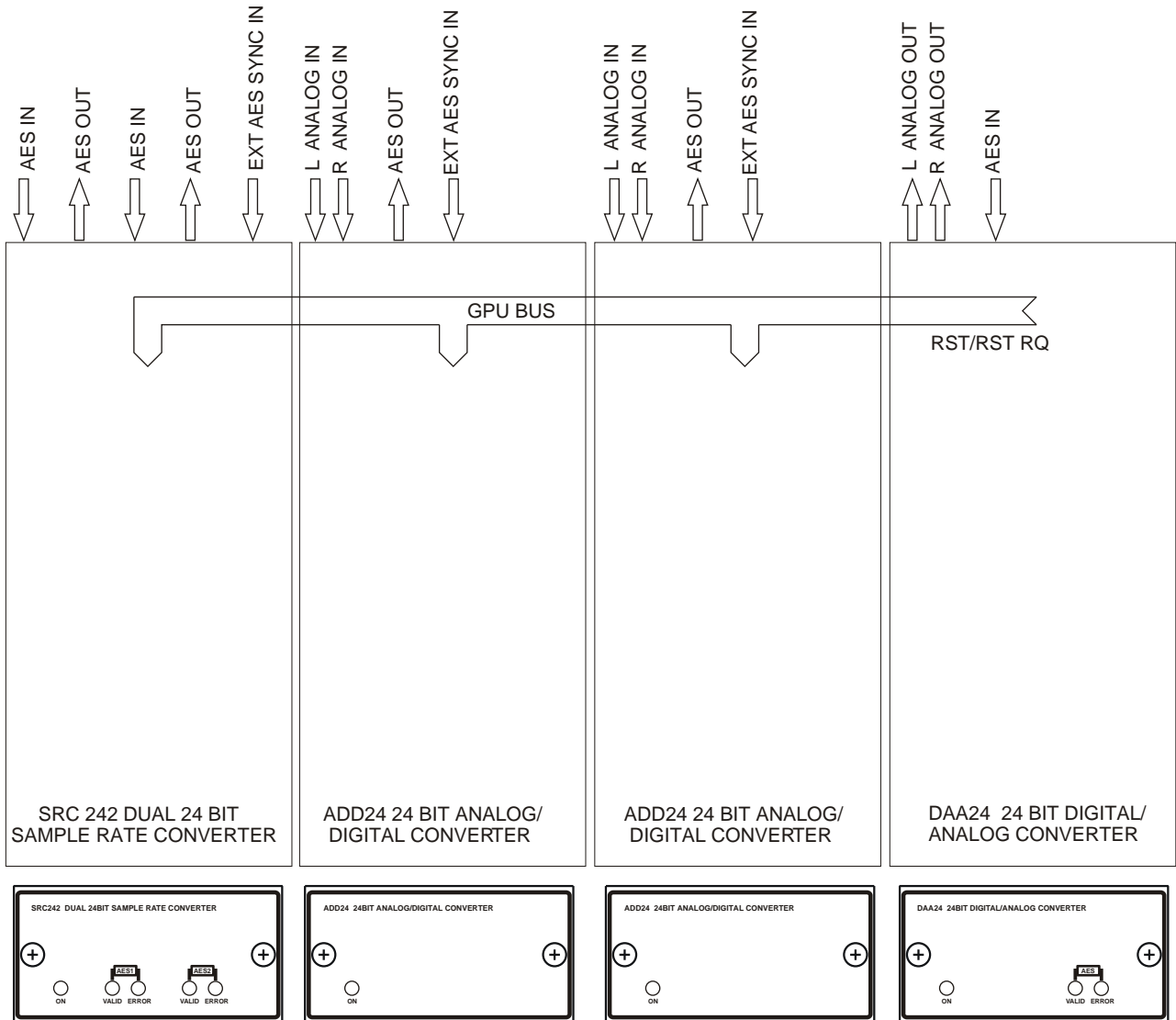
EDGE CONNECTOR	GPU BUS No	SIGNAL
16A	1	RESET
16C	2	RESET REQUEST
15A	3	CHANNEL BLOCK POS
15C	4	128 x Fs
14A	5	256 x Fs
14C	6	64 x Fs
13A	7	Fs (WORD)
13C	8	FRQ INFO 1
12A	9	FRQ INFO 2
12C	10	NOT USED

EXAMPLE 5:

ANALOG/DIGITAL, DIGITAL/ANALOG AND SAMPLE RATE CONVERSION

Outputs: 2 x A/D converted AES, 2 x SR converted AES
1 x D/A converted ANALOG L+R

Reference: External AES (each module operates individually)



EDGE CONNECTOR	GPU BUS No	SIGNAL
16A	1	RESET
16C	2	RESET REQUEST
15A	3	NOT USED
15C	4	NOT USED
14A	5	NOT USED
14C	6	NOT USED
13A	7	NOT USED
13C	8	NOT USED
12A	9	NOT USED
12C	10	NOT USED