

VISCOUNT
the Art of Sound

GVERB

OEM Reverb preliminary specifications

AUDIO PERFORMANCE

Frequency Response	20 Hz - 20K Hz, +/- 1 dB
Sampling Frequency	44,1 KHz
A/D converter	18 bit, 64 x oversampled Delta Sigma
D/A converter	18 bit, 8 x oversampled Delta Sigma

DSP

Dynamic delay memory	64 Kword, 1490 milliseconds
Data ALU Processing	5,6 MIPS
Address ALU Processing	2,8 MIPS
Multiplier	16 x 16 → 24 bit

AUDIO INPUTS/OUTPUTS

Channel	2, Left/Right
Input Impedance	17 K Ω
Load Impedance	5 K Ω
Input/Output level	-3 dBV

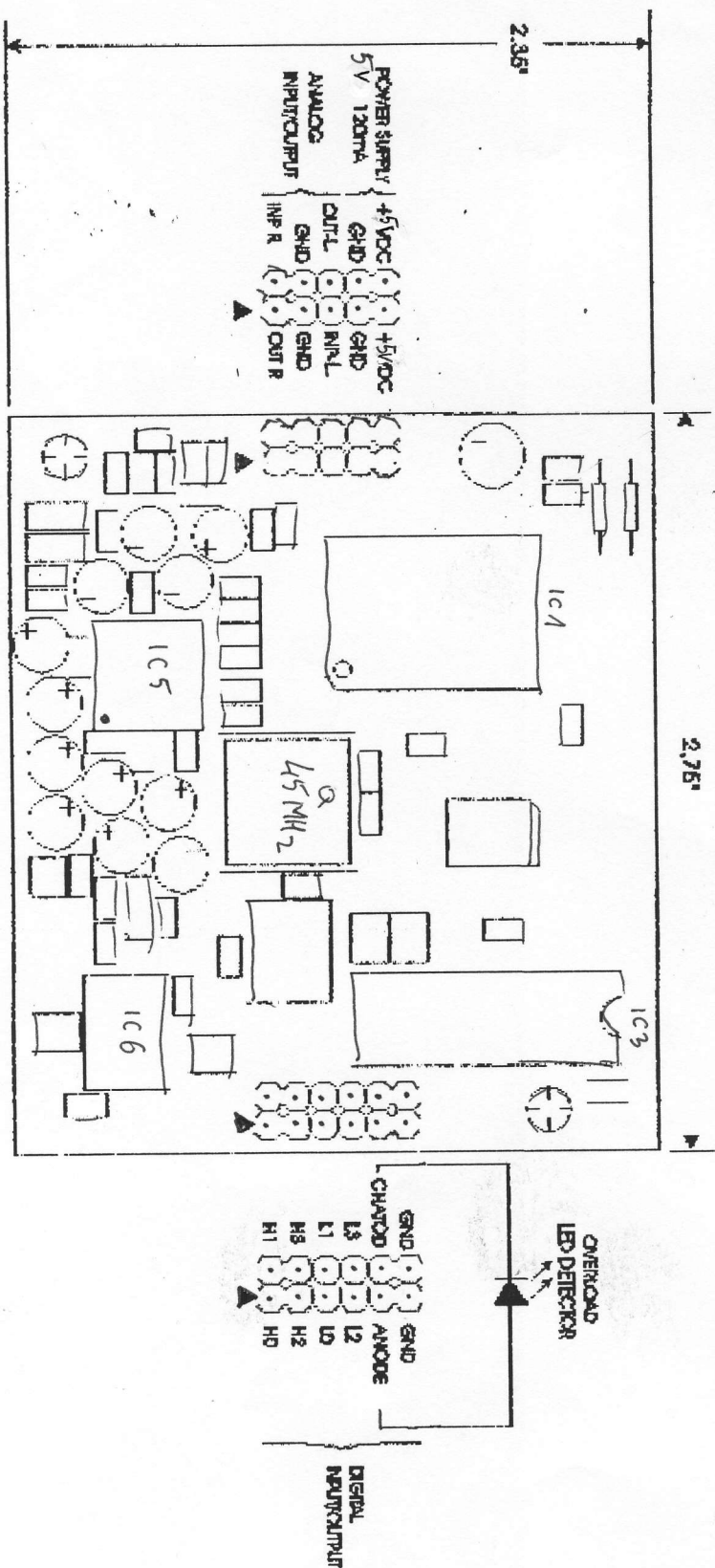
EFFECTS

Number of Programs	256
Reverb effects	Halls, Rooms, Plate, Virtual ambience, Vocal, Ambience, Non-linear
Delay effects	Delay, Multi-tap Delay, Chorus, Flanger
Delay+Reverb effects	Series and parallel mode
Chorus+Reverb effects	Series and parallel mode
Resonator effect	

GENERAL

Dimension	2.35" x 2.75" (6 cm x 7,5 cm)
Connections	2 DIL header
Programs bit selection	8
Power voltage	5 VDC
Current rating	120 mA

VISCOOUNT OEM GVERB MODULE DIMENSION AND CONNECTIONS



WIDOK OD STRONY ELEMENTU

16 TRYBÓW x 16 WERSÓW

~~UWAGA. ZMIANA OZNACZEN (NAZW NA NAKŁADY)~~

The 256 effects are selected through a double rotary switches BCD coded so that we can obtain 16 effects and 16 tipologies of them.

The logic of the switches is positive.

The relation code-effect is the following:

[H3:H0, L3:L0] [Hex]		EFFECT	[H3:H0, L3:L0] [Hex]		EFFECT
S. DELAYS	DB	HALL1_1	CHAMBERS	5B	HALL2_1
	DA	HALL1_2		5A	HALL2_2
	D9	HALL1_3		59	HALL2_3
	D8	HALL1_4		58	HALL2_4
	D3	HALL1_5		53	HALL2_5
	D2	HALL1_6		52	HALL2_6
	D1	HALL1_7		51	HALL2_7
	D0	HALL1_8		50	HALL2_8
	DF	HALL1_9		5F	HALL2_9
	DE	HALL1_10		5E	HALL2_10
	DD	HALL1_11		5D	HALL2_11
	DC	HALL1_12		5C	HALL2_12
	D7	HALL1_13		57	HALL2_13
	D6	HALL1_14		56	HALL2_14
	D5	HALL1_15		55	HALL2_15
	D4	HALL1_16		54	HALL2_16
REGEN L.	9B	ROOM1_1	M. ROOMS	1B	ROOM2_1
	9A	ROOM1_2		1A	ROOM2_2
	99	ROOM1_3		19	ROOM2_3
	98	ROOM1_4		18	ROOM2_4
	93	ROOM1_5		13	ROOM2_5
	92	ROOM1_6		12	ROOM2_6
	91	ROOM1_7		11	ROOM2_7
	90	ROOM1_8		10	ROOM2_8
	9F	ROOM1_9		1F	ROOM2_9
	9E	ROOM1_10		1E	ROOM2_10
	9D	ROOM1_11		1D	ROOM2_11
	9C	ROOM1_12		1C	ROOM2_12
	97	ROOM1_13		17	ROOM2_13
	96	ROOM1_14		16	ROOM2_14
	95	ROOM1_15		15	ROOM2_15
	94	ROOM1_16		14	ROOM2_16
M. DELAYS	CB	PLATE_1	L. HALL	4B	VOCAL_1
	CA	PLATE_2		4A	VOCAL_2
	C9	PLATE_3		49	VOCAL_3
	C8	PLATE_4		48	VOCAL_4
	C3	PLATE_5		43	VOCAL_5
	C2	PLATE_6		42	VOCAL_6

M. DELAYS

C1
C0
CF
CE
CD
CC
C7
C6
C5
C4

PLATE_7
PLATE_8
PLATE_9
PLATE_10
PLATE_11
PLATE_12
PLATE_13
PLATE_14
PLATE_15
PLATE_16

L. HALL

41
40
4F
4E
4D
4C
47
46
45
44

VOCAL_7
VOCAL_8
VOCAL_9
VOCAL_10
VOCAL_11
VOCAL_12
VOCAL_13
VOCAL_14
VOCAL_15
VOCAL_16

REVERSE

8B
8A
89
88
83
82
81
80
8F
8E
8D
8C
87
86
85
84

VIRTUAL_1
VIRTUAL_2
VIRTUAL_3
VIRTUAL_4
VIRTUAL_5
VIRTUAL_6
VIRTUAL_7
VIRTUAL_8
VIRTUAL_9
VIRTUAL_10
VIRTUAL_11
VIRTUAL_12
VIRTUAL_13
VIRTUAL_14
VIRTUAL_15
VIRTUAL_16

S. Rooms

0B
0A
09
08
03
02
01
00
0F
0E
0D
0C
07
06
05
04

AMBIEN_1
AMBIEN_2
AMBIEN_3
AMBIEN_4
AMBIEN_5
AMBIEN_6
AMBIEN_7
AMBIEN_8
AMBIEN_9
AMBIEN_10
AMBIEN_11
AMBIEN_12
AMBIEN_13
AMBIEN_14
AMBIEN_15
AMBIEN_16

MULT FX

FB
FA
F9
F8
F3
F2
F1
F0
FF
FE
FD
FC
F7
F6
F5
F4

NONLIN_1
NONLIN_2
NONLIN_3
NONLIN_4
NONLIN_5
NONLIN_6
NONLIN_7
NONLIN_8
NONLIN_9
NONLIN_10
NONLIN_11
NONLIN_12
NONLIN_13
NONLIN_14
NONLIN_15
NONLIN_16

GATES

7B
7A
79
78
73
72
71
70
7F
7E
7D
7C
77
76
75
74

DELAY_1
DELAY_2
DELAY_3
DELAY_4
DELAY_5
DELAY_6
DELAY_7
DELAY_8
DELAY_9
DELAY_10
DELAY_11
DELAY_12
DELAY_13
DELAY_14
DELAY_15
DELAY_16

L. DELAYS

BB
BA
B9

MULTAP_1
MULTAP_2
MULTAP_3

M. HALL

3B
3A
39

CHORUS_1
CHORUS_2
CHORUS_3

L. DELAYS

B8
B3
B2
B1
B0
BF
BE
BC
B7
B6
B5
B4

MULTAP_4
MULTAP_5
MULTAP_6
MULTAP_7
MULTAP_8
MULTAP_9
MULTAP_10
MULTAP_12
MULTAP_13
MULTAP_14
MULTAP_15
MULTAP_16

M. HALL

38
33
32
31
30
3F
3D
3C
37
36
35
34

CHORUS_4
CHORUS_5
CHORUS_6
CHORUS_7
CHORUS_8
CHORUS_9
CHORUS_11
CHORUS_12
CHORUS_13
CHORUS_14
CHORUS_15
CHORUS_16

MULT. TAPS

EB
EA
E9
E8
E3
E2
E1
E0
EF
EE
ED
EC
E7
E6
E5
E4

FLANGE_1
FLANGE_2
FLANGE_3
FLANGE_4
FLANGE_5
FLANGE_6
FLANGE_7
FLANGE_8
FLANGE_9
FLANGE_10
FLANGE_11
FLANGE_12
FLANGE_13
FLANGE_14
FLANGE_15
FLANGE_16

PLATES

6B
6A
69
68
63
62
61
60
6F
6E
6D
6C
67
66
65
64

DLY_REV_1
DLY_REV_2
DLY_REV_3
DLY_REV_4
DLY_REV_5
DLY_REV_6
DLY_REV_7
DLY_REV_8
DLY_REV_9
DLY_REV_10
DLY_REV_11
DLY_REV_12
DLY_REV_13
DLY_REV_14
DLY_REV_15
DLY_REV_16

REGEN M.

AB
AA
A9
A8
A3
A2
A1
A0
AF
AE
AD
AC
A7
A6
A5
A4

CH_REV_1
CH_REV_2
CH_REV_3
CH_REV_4
CH_REV_5
CH_REV_6
CH_REV_7
CH_REV_8
CH_REV_9
CH_REV_10
CH_REV_11
CH_REV_12
CH_REV_13
CH_REV_14
CH_REV_15
CH_REV_16

L. ROOMS

2B
2A
29
28
23
22
21
20
2F
2E
2D
2C
27
26
25
24

RESON_1
RESON_2
RESON_3
RESON_4
RESON_5
RESON_6
RESON_7
RESON_8
RESON_9
RESON_10
RESON_11
RESON_12
RESON_13
RESON_14
RESON_15
RESON_16