
9713GS BOARD

SAM9713 REFERENCE DESIGN

9713GS demonstrates a typical application of SAM9713. This is a Waveblaster™ compatible board which uses SAM9713 with 512kx16 ROM (8Mbit), 32kx8 SRAM, and a Burr-Brown PCM1718E stereo DAC.

The ROM can be of the type GMS960800B (with express permission of Roland corporation, special licensing conditions apply), or GMS970800B without license.

9713GS provides:

- High quality wavetable synthesis with 38 voices polyphony
- Compatible reverb and chorus
- Surround
- 4 bands equalizer

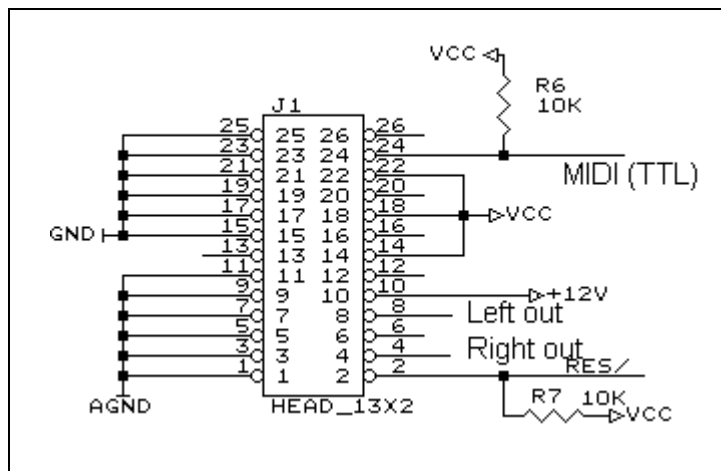
For a full list of available features and detailed MIDI implementation please refer to the corresponding ROM data sheet (GMS960800B or GMS970800B).

CONNECTION:

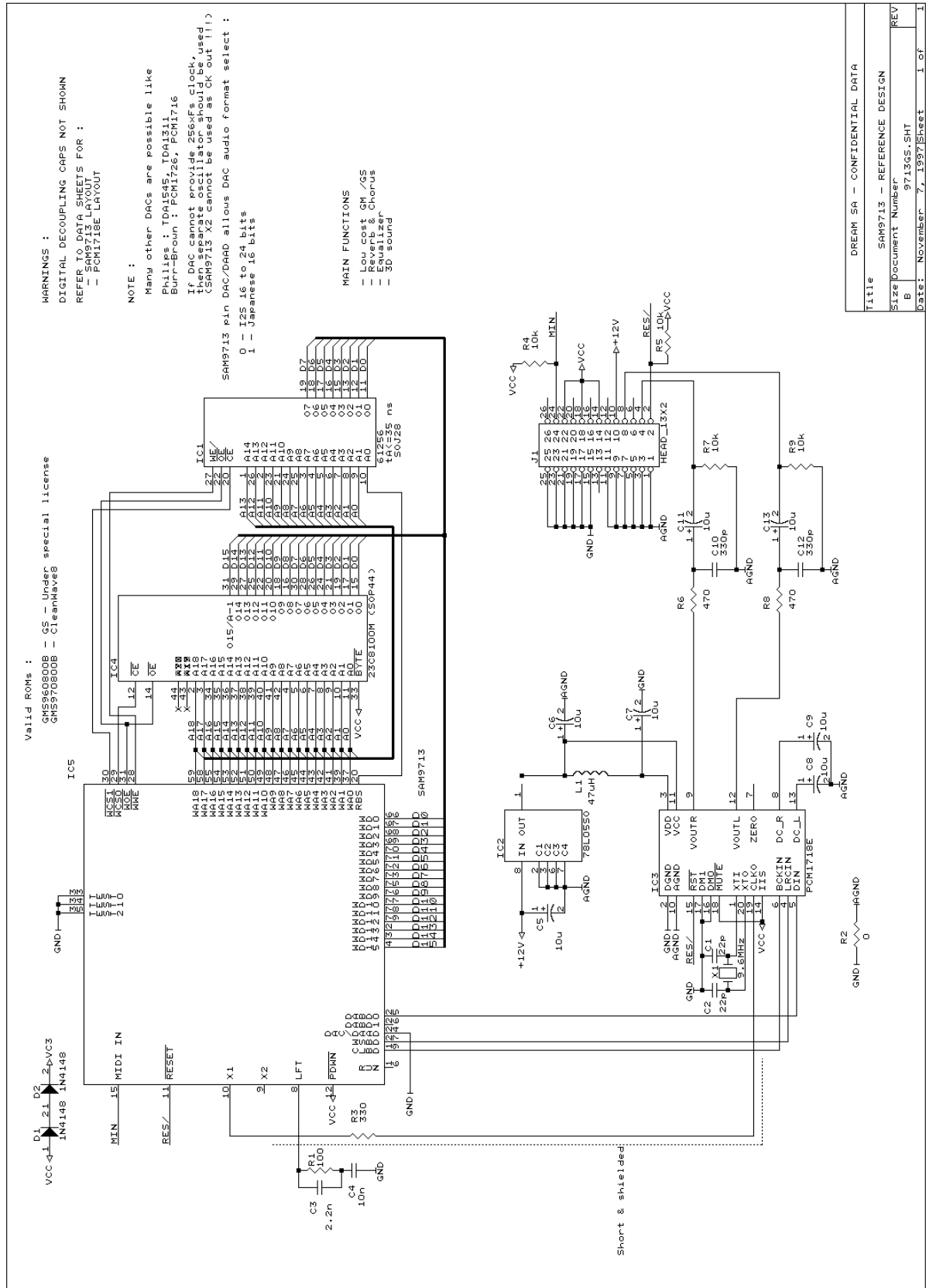
Note that board requires

+5V

+9V to +12V (on-board regulator)



Schematics



Parts list

SAM9713 - REFERENCE DESIGN

Revised: November 7, 1997

9713GS.SHT

Revision:

Bill Of Materials

November 7, 1997

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Item	Quantity	Reference	Part
1	1	R1	100
2	1	J1	HEAD_13X2
3	1	IC1	61256
4	1	IC2	78L05SO
5	1	X1	9.6MHz
6	1	L1	47uH
7	1	R2	0
8	1	IC3	PCM1718E
9	1	IC4	23C8100M (SOP44)
10	1	IC5	SAM9713
11	1	R3	330
12	2	C1,C2	22p
13	2	D1,D2	1N4148
14	1	C3	2.2n
15	1	C4	10n
16	7	C5,C6,C7,C8,C9,C11,C13	10u
17	4	R4,R5,R7,R9	10k
18	2	R6,R8	470
19	2	C10,C12	330p