

Using the HI1386 Adapter Board

Description

The HI1386 adapter is an adapter board for evaluation of the HI1386 to be used in conjunction with the HI1396 Evaluation Board.

Features

- Resolution 8 Bit
 - Max Operating Conversion . . . 75MSPS (Min. of HI1386)
 - Supplies +5.0V, -5.2V and -2.0V
 - Two Type of Analog Inputs (Direct Input and Buffered Input)
 - Sine Wave to ECL Conversion Circuit for CLK Input
 - Adjusting Circuit for Reference Voltage of A/D Converter
 - CLK Divider Circuit (1/1 to 1/16)
- NOTE: If the HI1396 Evaluation Board is used.

How To Use

Mount the HI1386 on the HI1386 adapter. Remove the HI1396 mounted on the HI1396 Evaluation Board and insert this adapter into the location on the HI1396 Evaluation Board where then HI1396 had been mounted. Operating conditions must meet the requirements of the HI1396 Evaluation Board operation.

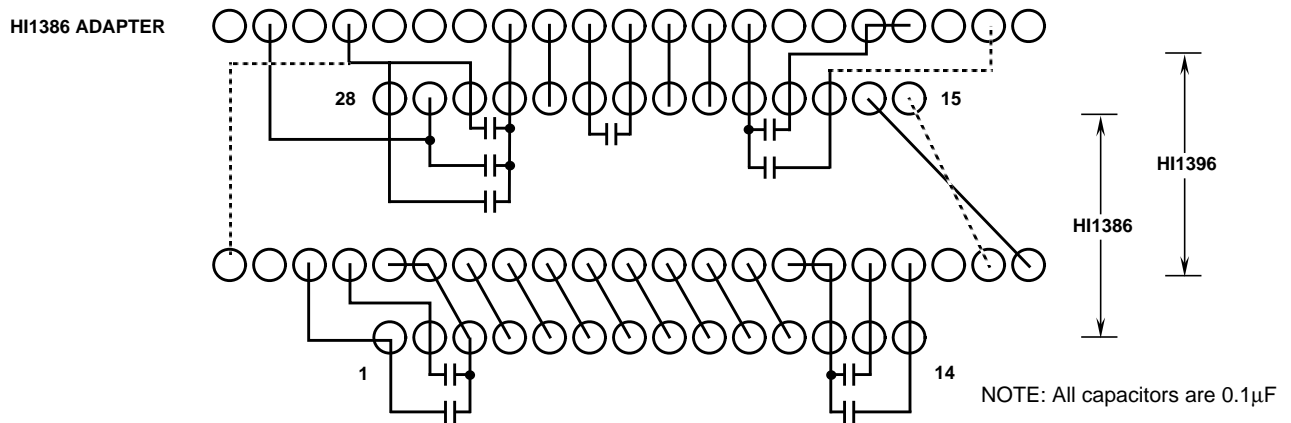
Components Used

- Capacitors 0.1 μ F Chip Capacitor
- IC Socket (to HI1386) Buried Socket, PD-7 (Made by Mac Eight)
- Straight Tap Header PS-2010-F4S (to HI1396 Evaluation Board) (Made by Yamaichi)

Considerations for Operation

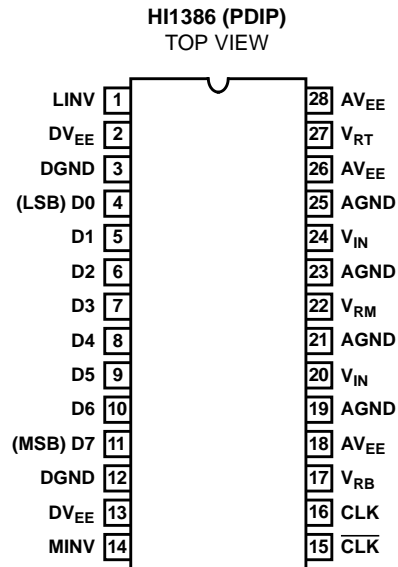
- The HI1386 is exclusively used with the HI1396 Evaluation Board (HI1396 Evaluation Board with DAC). Not to be used with any other type of evaluation board.
- Carefully align the position of pin #1. If mis-positioned, the evaluation board itself or the HI1386 may be damaged.
- For the setup of the HI1396 Evaluation Board, refer to specifications (AN9330) of HI1396 Evaluation Board.

Block Diagram



Application Note 9333

Pinout



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