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Quick Start Guide

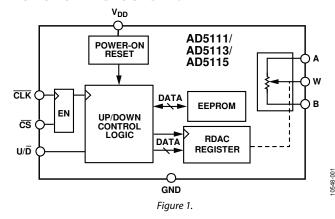
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Overview of AD5111/AD5113/AD5115 Connections and Functionality

GENERAL DESCRIPTION

This quick start guide provides a general overview of AD5111/AD5113/AD5115 connections and functionality and should be reviewed in conjunction with the AD5111/AD5113/AD5115 data sheet.

FUNCTIONAL BLOCK DIAGRAM



PIN CONFIGURATION

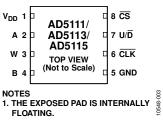


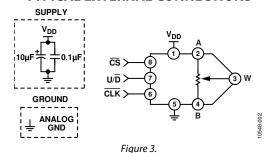
Figure 2.

PIN FUNCTION DESCRIPTIONS

Table 1.

Pin No.	Mnemonic	Description
1	V_{DD}	Positive power supply.
2	Α	Terminal A of RDAC.
3	W	Wiper terminal of RDAC.
4	В	Terminal B of RDAC.
5	GND	Ground pin.
6	CLK	Clock input.
7	U/D	Up/down selection.
8	CS	Chip select.
	EPAD	Internally floating exposed pad.

TYPICAL EXTERNAL CONNECTIONS

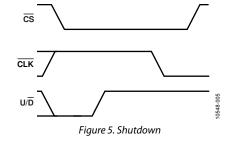


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OPERATIONAL CONDITIONS

Table 2. Specifications

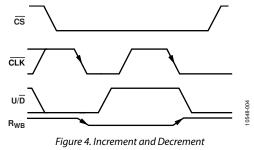
Parameter	Specification		
V _{DD} to GND	2.3 V to 5.5 V		
V_A , V_W , V_B to GND	GND to V _{DD}		
Maximum Continuous IA, Iw, IB			
$R_{AW} = 5 \text{ k}\Omega$ and 10 k Ω	±6 mA		
$R_{AW} = 80 \text{ k}\Omega$	±1.5 mA		
Maximum Clock (CLK)	50 MHz		



EEPROM DATA NEW DATA

Figure 6. Store

COMMANDS



REVISION HISTORY

3/12—Revision 0: Initial Version



ESD Caution

ESD (electrostatic discharge) sensitive device. Charged devices and circuit boards can discharge without detection. Although this product features patented or proprietary protection circuitry, damage may occur on devices subjected to high energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

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