Electroal Characteristics ADS1299

specifications are at AVDD - AVSS = 5 V, DVDD = 3.3 V, V_{REF} = 4.5 V, external f_{CLK} = 2.048 MHz, data rate = 250 SPS, and gain = 12 (unless otherwise noted)

Register Bots: 6-4

GAINN[2:0] = 101

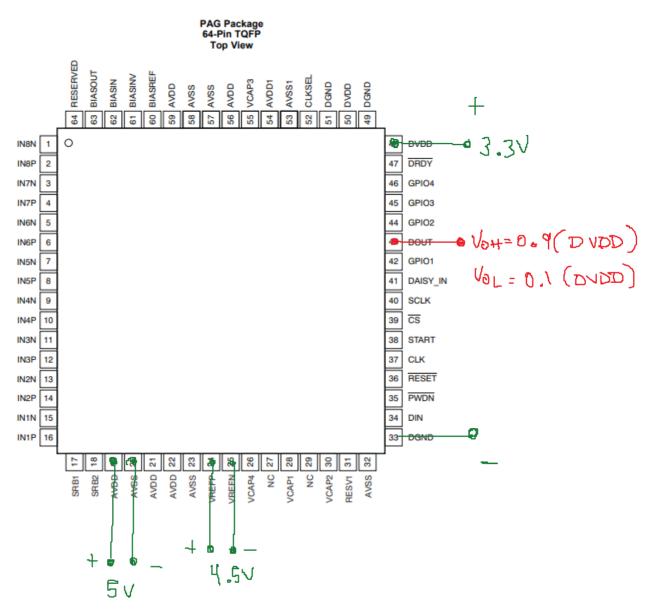
Register: CHINSET

CHINSET & GAINN [2:0] = 101

Data rate: 250

CONFIG L = 110

CONFIG1 -> DR[2:0] = 110



TEST SIGNAL

01/2

CONFIG 1 TRIM-th R/W-th R/W-th R/W-th R/W-th R/W-th LEGEND: R/W = Read/Write; R = Read only; -n = value after reset

6 DAISY_EN = 0 (Daisy-chain made)

5 CLK-EN = 0 (Os cillator clock output disable)

2:0 DTZ[2:0] = 110 (Datu Rate 250 6PS)

O2h

7 6 5 NT CAL 0 CAL AMP CAL FREQUEST

RNV-In RN

2 CAL - AMP = 0 (T.S. Amplifude VREF/2,4)

1:00 CAL_ FREQ[1:0] = 00 (fax /2")

7 6 5 4 3 2 1 0
PD_REFBUF 1 1 BIAS_MEAS BIASREF_INT PD_BIAS BIAS_LOFF_ BIAS_STAT
R/W-0h R/W-1h R/W-1h R/W-0h R/W-0h R/W-0h R/W-0h R/W-0h R-0h
LEGEND. R/W = Read/Write, R = Read orby; -n = value after reset

7 PD_REFBUF = 1 (trable internal reference buffer)

4 BIRS_MERS = 0 (Open)

3 BIASPET_INT = 0 (BIASPET Fed extendily)

2 PO_BIAS = 0 (buffer is powered dam)

04h	7	6	5	4	3	2	1	0	
	COMP_TH2[2:0]		0	ILEAD_	ILEAD_OFF[1:0]		FLEAD_OFF[1:0]		
NEE -	R/W-0h			R/W-0h	R/W-0h		R/W-0h		
001 .	LEGEND DIN - Destrict De Destrict - Destrict								

COMP_THEZ:0] = 0 =00 (Load off-comp threshold, P=95 1., N=51.)

3:2 ILEAD_OFF[1:0] = 00 (LOFF correct GRA)

1:0 FLEAD_OFF[1:0] = 00 (DC land-off defection)

OFL to OCK

	6	5	4	3	2	1	0
PDn		GAINn[2:0]		SRB2		MUXn[2:0]	
R/W-08	1	R/W-6h		R/W-0h		R/W-0h	

LEGEND: R/W = Read/Write; R = Read only; -n = value after rese

7 PDn = 0 (Normal Operation)

6:4 GAN, [2:0] = 110 (PGA gain 24)

3 SEB2 = 0 (Open(OFF))

2:0 MUX, [2:0] = 101 (Test signal)

