









Use internal buffer (x2) with 2.048V ref.
"External reference of 2.048 V applied to the REFIN pin (high impedance input). The on-chip buffer gains this by 2 and drives the REF pin with 4.096 V"
EN3=X, EN2=0, EN1=0, EN0=1 (28 MHz BW)
EN3=X, EN2=1, EN1=0, EN0=1 (9 MHz BW, use this BW only when the throughput is 2 MSPS or lower) VDD2 and VIO can come from the same supply. But route and decouple separately. +1V8 U22 C16 AD7960BCPZ-RL7 10u EPAD HTAB 0.1u 0.1u IN_P_LP Conn_01x04_Male VDD1_2 GND C24 23 22 Alternative signal connection or ground the inputs 2 3 4 5 6 7 VDD2_2 IN+ (2V048_REF) REFIN IN-100p 21 0.1u A_ENOD ENO VCM → +5V VCM 20 (A_EN1) EN1 VDD1 C12 19 A_EN2 EN2 VDD1_3 IN_N_LP M_NID 18 EN3 VDD2_3 **→** +1V8 8 CNV_ND-CNV-CLK+ +57 0.1u 0.1u ₹31 5.1 kOhm output impedance Must buffer -DVCM_OUT CNV_PD-0.1u 000 C17 -0.1u Sheet: /adc1/ File: adc.sch Title: Size: A Date: Rev: KiCad E.D.A. kicad (5.1.9-0-10_14) ld: 6/18























