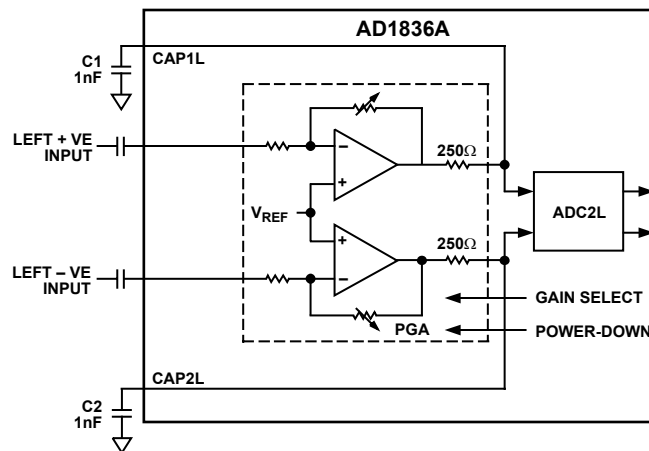


NOTE
 ADC2 SINGLE-ENDED MUX PGA INPUT MODE—LEFT CHANNEL ONLY SHOWN.
 CONTROL REGISTER 3 CONTENTS: 6 LSBs: SELECT INPUT NO. 1: 11 1010
 SELECT INPUT NO. 2: 11 1111

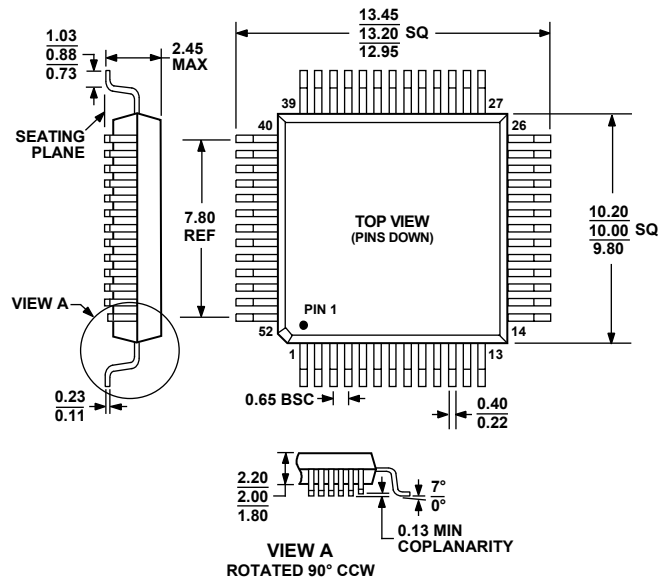
Figure 13. Single-Ended MUX/PGA Mode



NOTE
 ADC2 DIFFERENTIAL PGA INPUT MODE—LEFT CHANNEL ONLY SHOWN.
 CONTROL REGISTER 3 CONTENTS: 6 LSBs: 00 1010

Figure 14. Differential PGA Mode

OUTLINE DIMENSIONS



COMPLIANT TO JEDEC STANDARDS M-022-AC

Figure 15. 52-Lead Plastic Quad Flat Package [MQFP]
(S-52A)
Dimensions shown in millimeters

ESD CAUTION

ESD (electrostatic discharge) sensitive device. Electrostatic charges as high as 4000 V readily accumulate on the human body and test equipment and can discharge without detection. Although this product features proprietary ESD protection circuitry, permanent damage may occur on devices subjected to high energy electrostatic discharges. Therefore, proper ESD precautions are recommended to avoid performance degradation or loss of functionality.



ORDERING GUIDE

AD1836A Products	Temperature Package	Package Description	Package Option
AD1836AAS	–40°C to +85°C Ambient	52-Lead MQFP	S-52A
AD1836AASRL	–40°C to +85°C Ambient	52-Lead MQFP	S-52A on 13" Reels
AD1836ACS	–40°C to +85°C Ambient	52-Lead MQFP	S-52A
AD1836ACSRL	–40°C to +85°C Ambient	52-Lead MQFP	S-52A on 13" Reels
EVAL-AD1836AEB		Evaluation Board	

AD1836A

NOTES