





























































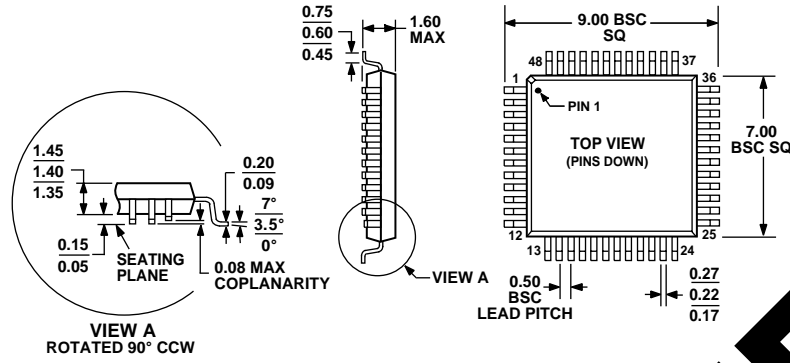








OUTLINE DIMENSIONS



COMPLIANT TO JEDEC STANDARDS MS-026BBC

Figure 10. 48-Lead Low Profile Quad Flat Package [LQFP] (ST-48)

Dimensions shown in millimeters

ORDERING GUIDE

Model	Temperature Range	Package Description	Package Option
AD1981BJST	0°C to 70°C	48-Lead LQFP	ST-48
AD1981BJST-REEL	0°C to 70°C	48-Lead LQFP	ST-48
AD1981BJSTZ <sup>1</sup>	0°C to 70°C	48-Lead LQFP	ST-48
AD1981BJSTZ-REEL <sup>1</sup>	0°C to 70°C	48-Lead LQFP	ST-48
AD1981BBSTZ <sup>1,2</sup>	-40°C to +85°C	48-Lead LQFP	ST-48
AD1981BBSTZ-REEL <sup>1,2</sup>	-40°C to +85°C	48-Lead LQFP	ST-48

<sup>1</sup>Z = Pb-free part. The AD1981BJSTZ is a lead-free environmentally friendly product manufactured using the most up-to-date materials and processes. The coating on the leads of each device is 100% pure tin electroplated. The device is suitable for lead-free applications and can withstand surface-mount soldering at up to 255°C (±5°C). In addition, it is backward compatible with conventional soldering processes. This means that the electroplated tin coating can be soldered with tin-lead solder pastes at reflow temperatures of 220°C to 235°C.

<sup>2</sup> DV<sub>DD</sub> tolerance: ±5% maximum.

OBSOLETE