Automatic Guitar Tuner

Team 3



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Automatic Guitar Tuner

• A musical Tuner that can automatically tune a guitar using a motor.

Key Features

- Detects pitch of musical note
- Automatic guitar tuning controlled by motor
- · Battery powered
- Controlled by input buttons
- Displays pitch on screen
- Market
 - USA
 - Europe
 - Asia

Key Requirements

- Cost
 - Sales Price: \$25, Component Cost: \$15, Assembly & Test Costs:
 \$5
- Environment
 - · Indoor, Outdoor, Stationary, Mobile
 - Operating Temp Range: -10 to 65 °C
 - Operating Humidity Range: 0 to 80 %Rh
- Power Input(s)
 - Battery Power: 12VDC(Input), 5VDC(output), 3A(ImaxOut)
- Major Functions, Quantities Measured, Displayed
 - On, Off

Block Diagram

