



FSA8008 Audio Jack Detection and Configuration Switch

Features

| Detection | Accessory Plug-In |
|-----------------------|----------------------------|
| | 3- or 4-Pole Audio Jack |
| | Send/End Key Pressed |
| Switch Type | MIC |
| V _{DD} | 2.5 to 4.4V |
| V _{IO} | 1.6 to V _{DD} |
| THD (MIC) | 0.01% Typical |
| ESD (Air Gap) | 15kV |
| Operating Temperature | -40°C to 85°C |
| Package | 10-Lead UMLP |
| | 1.4x1.8x0.5mm, 0.4mm Pitch |
| Top Mark | KC |
| Ordering Information | FSA8008UMX |
| | |

Applications

- 3.5mm and 2.5mm Audio Jacks
- Cellular Phones, Smartphones
- MP3 and PMP

Typical Application

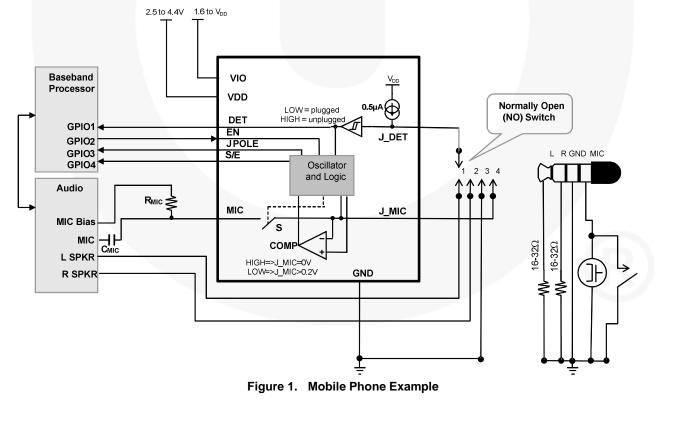
Description

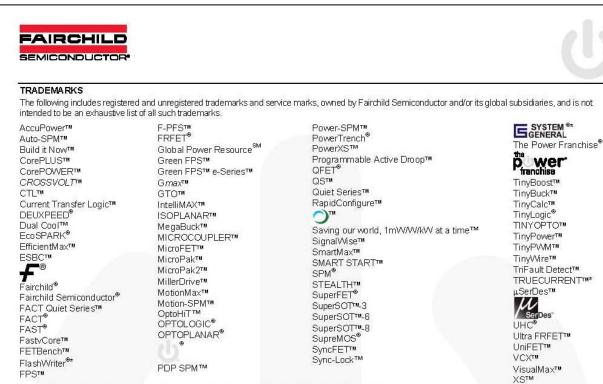
The FSA8008 is an audio jack detector and switch for 3- or 4-pole accessories. In addition to detection, the FSA8008 features an integrated MIC switch that allows the processor to configure the audio jack. The architecture is designed to allow common third-party headphones to be used for listening to music from mobile handsets, personal media players, and portable peripheral devices.

- Determines 3- or 4-Pole Audio Jacks
- Removes Audio Jack Pop-n-Click Caused by MIC Bias
- Detects Audio Jack Accessories:
- Standard Headphones
- Headsets with MIC
- Send / End Button Presses
- Integrates a MIC Switch for 4-Pole Configuration

Related Resources

- FSA8008 Demonstration Board
- For samples and questions, please contact: Analog.Switch@fairchildsemi.com.





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|--------------------------|-----------------------|--|
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