



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

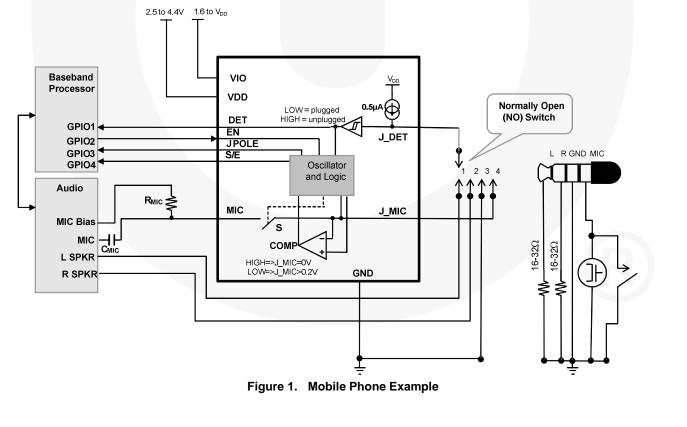
Description

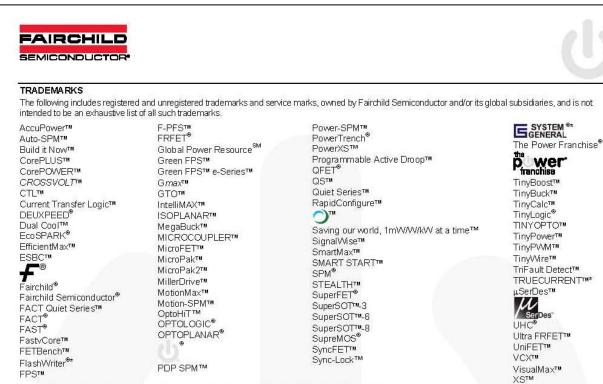
The FSA8008 is an audio jack detector and switch for 3- or 4-pole accessories. In addition to detection, the FSA8008 features an integrated MIC switch that allows the processor to configure the audio jack. The architecture is designed to allow common third-party headphones to be used for listening to 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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Rev. 150