The ECG Analog Front-end IC evaluation module is a complete kit with hardware and software to evaluate the characteristics of the AFE2Q IC. The evaluation module includes hardware and software functionality to allow end-user evaluators to configure and test the ECG analog Front-end IC through USB connections to e.g. personal computer.
UNIQUE FEATURES

- High-performance analog front-end for ECG signal
- 3-channel ECG and Electrode Tissue Interface (ETI)
- 1.2V supply voltage
- 1.8V-3.3V I/O supply voltage
- Extreme low power: 20uW per channel
- CMRR > 100dB
- Common mode input impedance > 300MW (@50Hz )
- Noise < 0.95 µVrms (0.5Hz-150Hz)
- Programmable gain: 37.2 – 48.7 dB
- Built-in 12 bit ADC for 10mVpp input dynamic range

EVALUATION MODULE HARDWARE FEATURES

- DIN 42-802 compatible connectors
- DB15 connector for ECG signal input
- 2-electrode option for ECG monitoring application
- USB interface to PC for application software
- AFE current consumption measurement
- Adjustable I/O voltage
- Multiple test points for real-time signal monitoring
- Selectable power supply system
- Wilson central terminal (WCT) generator

EVALUATION MODULE SOFTWARE FEATURES

- Real-time ECG and ETI signal display
- AFE current consumption display
- Waveform zoom in tool
- Data record and export for post analysis

MORE INFORMATION

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