2.1   Decomposition Description

The ultrasound library is created from a single signal called beamforming, and an ultrasound 2D image in a gray scale. The process that the signal goes through is shown in Figure 2-1.
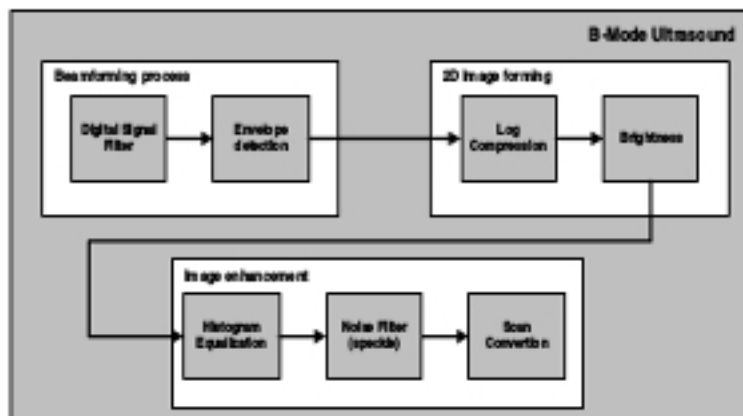
This is the algorithm flow chart.

Figure 2-1. Flow chart for the main ultrasound library algorithm

2.1.1   Module decomposition

The ultrasound software library is divided into three main modules; each one represents a high level step in the principal algorithm.

The modules are:
  • Beamforming process

Design Specification Document

The ultrasound software library is divided into three main modules; each one represents a high level step in the principal algorithm.