Detailed Block Diagram

The BeatKicks (3PM)

Muqeet Mujahid

Miguel Cepeda

Accelerometer

A/D

A

T

M

E

L

3

2

Pace of user

Xbee (Serial Out)

Shoe Sensor

Power (3.3V)

MEGA32

VS1002 (Encoder)

Audio out

SD CARD

RX/TX (PICK A SONG)

MEGA – 324P

Input

Output (LCD)

Power to all components (3.3V) LCD might need 5V

Music Player