System Architecture RF High Charge Power Frequency Circuitry Supply **AMP** 5V 300mA RF Local Audio -44dB **BLUECORE** Oscillator AMP MIC 02 Y1=16.00MHz

Voice+ Voice-Ctrl

Reject button

Atmega48-20au Voice Command

Speaker

0.8W

> Introduction

Bluetooth Headset FSD-0801 is a portable hand-free headset solution based on CSR Bluetooth wireless technology. The design is developed based on CSR Headset Pioneer Program reference design with Bluecore02-Headset chipset. Use SUNITEC Class 2.

> Specifications

Operating Frequency Band	2.4GHz ~ 2.48GHz unlicensed ISM band
Bluetooth Specification	V1.2
Support Profiles	Headset & Hand-free profiles
Output Power Class	Class 2
Battery Used	230mAh
Battery Voltage	3.7V DC
Charger	$5.0 \pm 5\% \text{V (type. } 300\text{mA)}$
Talk Time	Up to 7.5 hrs
Standby Time	Up to 1 week
Battery Charging Time	2 hrs
Range of operation	Max 10m line of sight
Dimension & Weight	68mm*17mm*34mm/76g
Visual Indication	2 LEDs (Blue and Red)
Number of Operating Buttons	4 Buttons function