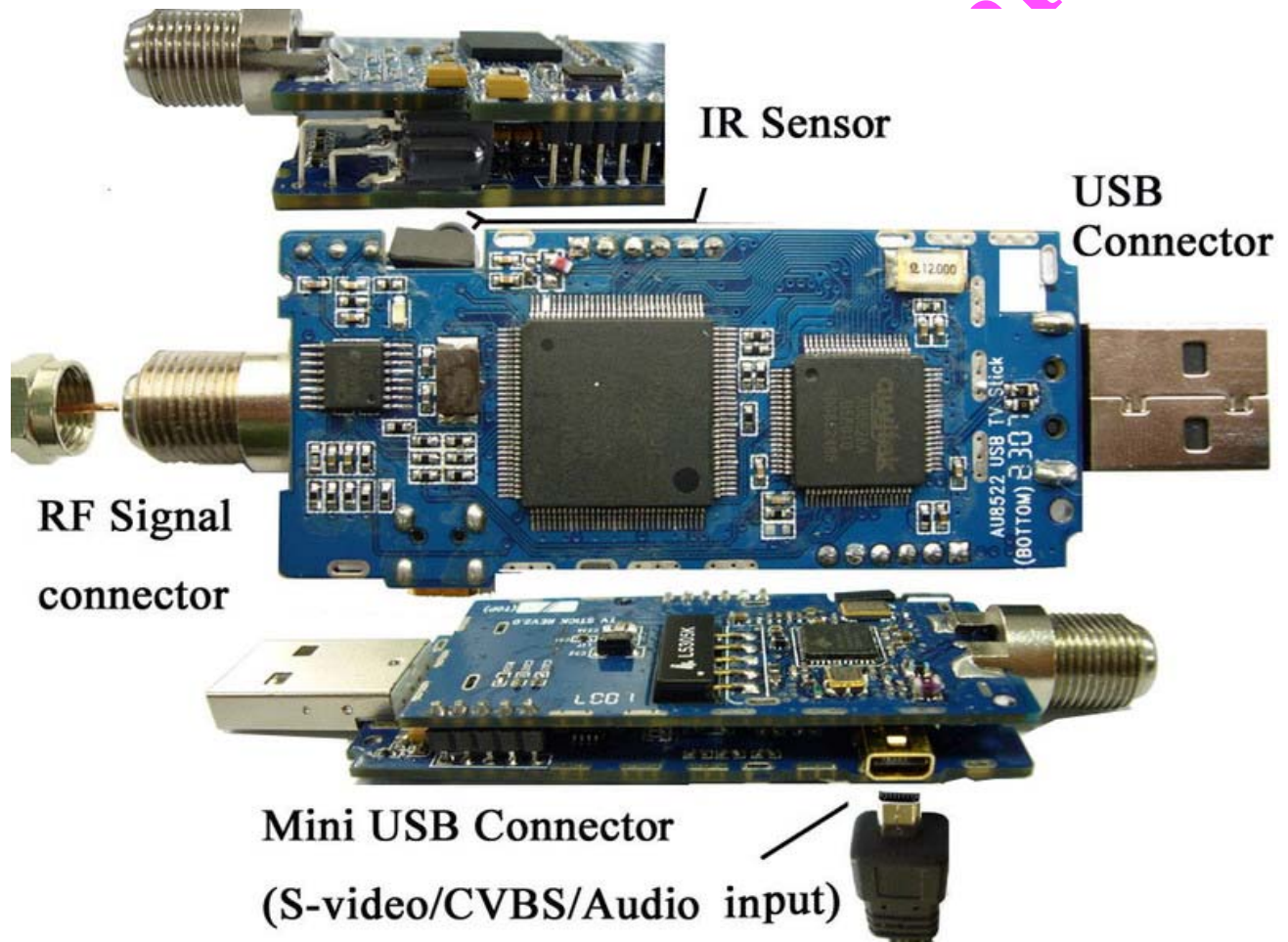




# Au8522 MT USB TV Stick Design Brief

## 1 Introduction

This reference design is used to demo AU8522AA chip. It supports the ATSC, NTSC, J83B, Composite, S-video, Audio and FM radio. It is two-boards design to have a smaller form factor.



## 2 Hardware Configuration

### 2.1 Major chip set

No.	Function	Name/Module	Manufactory	Provider	Remark
1	ATSC/NTSC etc. Decoder	AU8522AA	Auvitek	Auvitek	
2	USB2.0 Controller	AU0828A	Auvitek	Auvitek	
3	Tuner	MT2130	Microtune	Microtune	
4	Regulator	LTC3407	Linear	Linear	
5	IIS Interface	CS5340	Cirrus Logic	Cirrus Logic	
6	EEPROM	AT24C02/AT93C46	ATMEL	ATMEL	

## 2.2 Functions List

No.	Function	Information	Remark
1	ATSC	RF Input	
2	NTSC	RF Input	
3	QAM64	RF Input	
4	QAM256	RF Input	
5	FM Radio	RF Input	
6	Composite	Mini USB Connector (CH4)	
7	S-video	Mini USB Connector (CH1, CH3)	
8	External Audio	Mini USB Connector (IIS input)	
9	IR	IRM-3438	
10	Customer ID	2/3-Wire EEPROM on board	
11	Power indicator	LED on board to indicate the power status	

## 3 Hardware Support

No.	Items	Version No.	Remark
1	Version No.	Ver. 3.0	
2	BOM	Ver. 3.0	
3	Schematic	Ver. 3.0	
4	GBR	Ver. 3.0	
5	PCB	Ver. 3.0	

## 4 Software Support

No.	Software Support	Version No.	Remark
1	Driver version	Ver1.20122.56.201	
2	I2C Controller	NA	

Auvitek Confidential