



SSM-D1000 Manual

ITEM	Bluetooth Module
MODEL NAME	SSM-D1000
DESCRIPTION	Bluetooth V3.0
SOLUTION	CSR: BC57E687C-GITB-E4
SAMSUNG P/N	4709-002101
GoerTek P/N	

Green Procurement

Vendor Code			
Registration Date			
DRAWING	CHECK	AGREEMENT	APPROVAL
A TERM OF VALIDITY	OVER AT LEAST 15-YEARS FROM ISSUED DATE		

Indemnification

Goertek will indemnify, hold harmless, and at Samsung's request, defend Samsung and Samsung's directors, officers, employees, agents and independent contractors from and against any loss, cost, liability or expense (including court costs and reasonable fees of attorneys and other professionals) arising out of or resulting from any third party claim that any Products and/or Components provided by Goertek infringes patent, copyright, trade secret right or other intellectual property right. If Goertek receives notice of an alleged patent, copyright, trade secret or other intellectual property right infringement or if Samsung's use of the Products and/or the Components provided by Goertek shall be prevented by permanent injunction for reasons of patent, copyright or trade secret infringement, Goertek may, at its sole option and expense, procure for Samsung the right to continued use of the Products and/or the Components as provided hereunder, or modify the allegedly infringing item such that it is no longer infringing, or replace the allegedly infringing item.

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Part _ Specification

1. Introduction

SSM-D1000 is a BT module compliant with Bluetooth 3.0 standard. The core chipset is from CSR, part number is BC57E687C-GITB-E4.

2. Features

- Chipset: CSR BC05;
- Interface: 8Pin connect with Audio Dock main board
- Power supplier: Smart phone Audio Dock Board (3.3 V)
- Weight: 4g
- Capsule Dimensions: 50mm (L) * 24mm(W) * 7mm(T)
- Available distance: 10m

3. Hardware Architecture:

3.1 Main Chipset Information

Item	Vender	Part number
Bluetooth Transceiver/PA	CSR	BC57E687C-GITB-E4

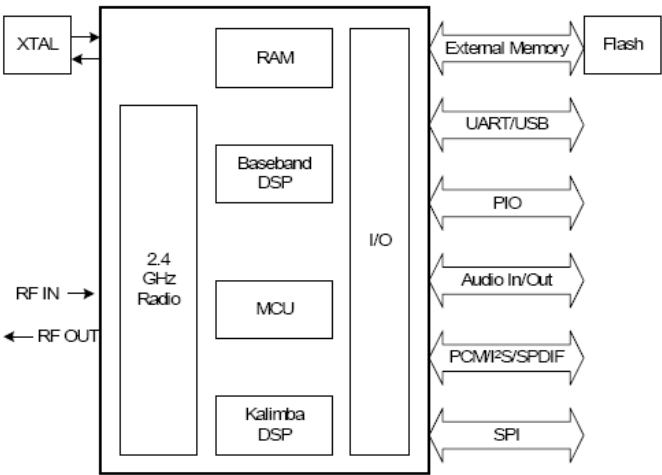


Figure 1-1 BC57E687C-GITB-E4 Chip Block Diagram

3.2 Circuit Block Diagram

The major internal components and external interfaces of SSM-D1000 are illustrated in Figure 1-2.

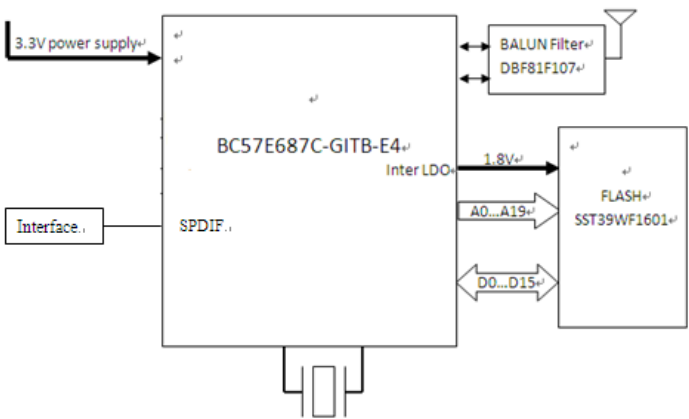
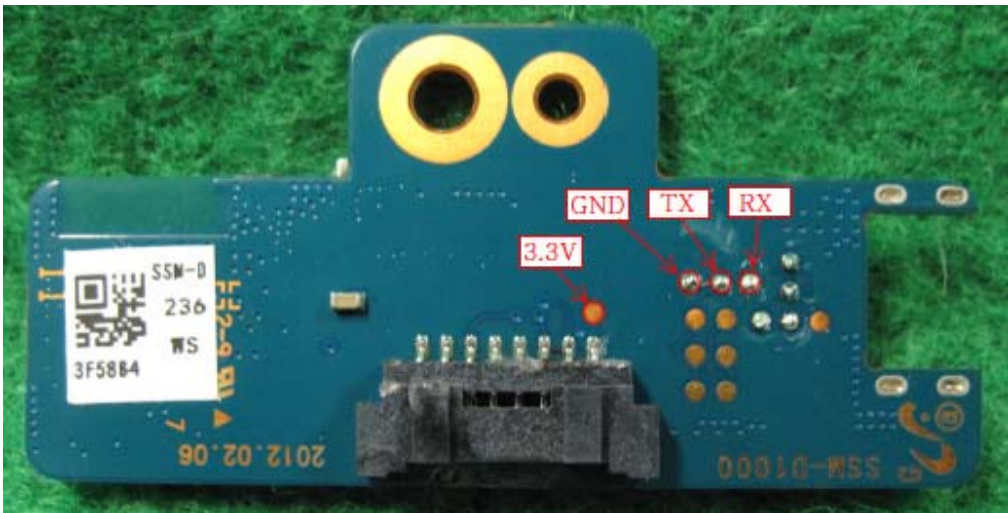


Figure 1-2 SSM-A1000 Major Component and System Interface

4. Interface definition



5. Specifications:

5.1 Supply Voltage:

3.3V±5% DC

5.2 Current Consumttion

Status	Current consumption
Power on with no pair	4.1 mA
When pairing	20 mA
When playing music	23.4 mA

Current Consumption of DUT

6. Environmental Spec.

Operating Temperature Range:	-10degree C~ 60degree C
Storage Temperature Range:	Temperature: -20~80°C Humidity: 95%(MAX)
Operating Humidity Range:	10%~90% (No dew condensation)

7. Notice

FCC :

This device complies with Part 15 of FCC Rules. Operation is Subject to following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received including interference that cause undesired operation.

This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IMPORTANT NOTE:

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

LABEL OF THE END PRODUCT

The final end product must be labeled in a visible area with the following " Contains FCC ID: A3LSSMD1000".

If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Statement

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

LABEL OF THE END PRODUCT

The final end product must be labeled in a visible area with the following "Contains IC : 649E-SSMD1000".