

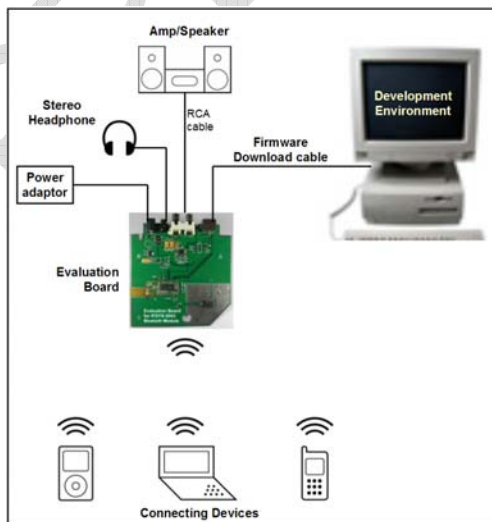
IFSYS-5650 Evaluation Kit for IFSYS-5043 Module

IFSYS-5650 is intended for OEMs to evaluate the performance of the IFSYS-5043 Bluetooth® Module, which features CSR's BC03 chipset with a built-in DSP, to demonstrate stereo audio streaming capability. You can leverage off your existing CSR BlueLab Development Environment for developing customized applications for the IFSYS-5043 Bluetooth Module. Once development has been completed, you download your software through the miniDIN download port, run and debug your software within your BlueLab Development Environment. IFSYS-5043 is completely Bluetooth RF qualified, and can be leveraged for OEM hardware designs. For more information on the IFSYS-5043, please refer to appropriate product datasheet.

Package Contents

- User Guide for IFSYS-5650 Evaluation Kit.
- Evaluation Board for IFSYS-5043 Bluetooth Module.
- Two units if IFSYS-5043 Bluetooth Module

Development Environment



Product Brief

Evaluation Board for IFSYS-5043



IFSYS-5650 Evaluation Kit for IFSYS-5043 Module

Product Brief

SPECIFICATIONS (IFSYS-5043 BLUETOOTH MODULE)

Hardware features

- Complete HCI compliant module featuring single chip CSR BC03 Multimedia External *Bluetooth* device
- 53-pin surface mount package
- Built-in antenna
- Class 2 Bluetooth module

Physical interfaces

- UART interface (4 signals) - TXD, RXD, RTS# and CTS#.
- PCM/Codec interface (4 signals) – PCM-SYNC, PCM-CLK, PCM-IN, PCM-OUT.
- GPIO interface (12 signals) – PIO [0..11]
- Analog IO interface (3 signals) – AIO0, AIO1, AIO3
- SPI interface for firmware download – MOSI, MISO, CLK, CSB
- Differential Stereo Audio Input
- Differential Stereo Audio Output

Electrical specifications

- Temperature: Operational: 0°C to +70°C, Storage: -20°C to +85°C
- Transmitter power: *Bluetooth* Class 2 device (4dBm max)
- Bluetooth* transmitting range: Up to 10m (free-air)
- Power supply & voltage levels:
 - Supply VDD: 3.3Vdc +/- 0.3V
 - Differential Stereo Audio Input/Output: 0 – 1.8Vdc voltage range per differential signal
 - GPIO interface: 0 – 1.8Vdc
 - UART interface: 0 – 3.3Vdc

Applications [see Note *1]

- Wireless Speakers with Remote Control (A2DP-Sink and AVRCP)
- Car Handsfree with Echo-Cancellation (HFP and HSP)

Certification/Compliance

- Bluetooth* V2.0 Specification compliant (QD ID: B012734)
- FCC certified (FCC ID: VBR5043)
- RoHS compliant

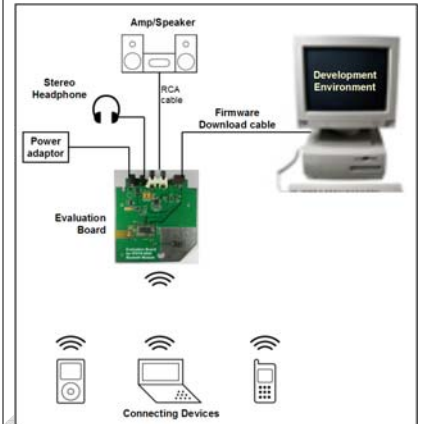
Packaging Dimensions

- Dimensions: TBD
- Weight: TBD

Ordering Information

Order Number	Order Description
IFSYS-5650	Evaluation Kit for IFSYS-5043 Bluetooth Module

[*1] Please contact iFoundry for support on other profiles.



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