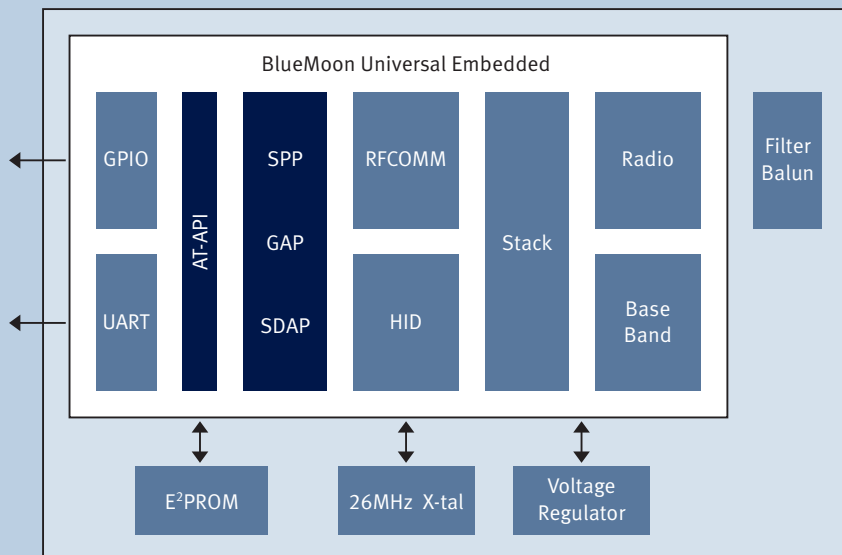


eUniStone PBA31308/2 SPP-AT

BlueMoon® Universal Family Extended to Embedded Data Transfer Applications

Block Diagram



BlueMoon Universal Embedded

- 0.13µm CMOS technology
- Bluetooth 2.0 + EDR
- Integrated Stack
- Integrated RFCOMM profile
- AT command interface available
- On-module E²PROM
- On-module 26MHz crystal
- On-module balun/filter
- On-module voltage regulator
- 50Ω Antenna interface

Interfaces

- High speed UART – 3.25Mbps
- GPIOs with wake-up capability
- Single voltage power supply
- Support direct connect to 2xAA
- 50Ω balanced Antenna interface
- 26MHz crystal or 26MHz reference frequency
- Optional 32kHz Low Power clock



Development Kit

The Development Kit is a complete platform for development and evaluation.

- SW for standard applications
- AT command Interface tool
- HCI command Interface tool
- 2 HW boards
- UART interface
- USB to UART converter
- Reference design
- Documentation

Product Summary

Type	Description	Temperatur Range	Package
eUniStone	PBA31308/2 V1.01	-40C to -70C	Module 8.7 x 11.6mm
	PBA31308/2 V1.11	-40C to +85C	54 pads at 1.20mm pitch

The Bluetooth word mark is owned by the Bluetooth SIG, Inc. and any use of this mark by Infineon Technologies is under license. The BlueMoon trade mark is owned by Infineon Technologies AG.

How to reach us:
<http://www.infineon.com>

Published by
Infineon Technologies AG
81726 Munich, Germany

© 2009 Infineon Technologies AG
All Rights Reserved.

Legal Disclaimer The information given in this Product Brief shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

Information For further information on technology, delivery terms and conditions and prices, please contact the nearest Infineon Technologies Office (www.infineon.com).

Warnings Due to technical requirements, components may contain dangerous substances. For information on the types in question, please contact the nearest Infineon Technologies Office. Infineon Technologies components may be used in life-support devices or systems only with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

Order Number: B153-H9354-X-X-7600
NB08-1341

Published by Infineon Technologies AG