

[Home](#) > [Products](#) > [Wireless Connectivity](#) > [Bluetooth Low Energy \(BLE\) Connectivity Solutions](#) > BCM20704UA1KFFB1G

BCM20704UA1KFFB1G

Status: In Production

[Datasheet](#)
[Pricing & Inventory Availability](#)
[Packaging/Ordering](#)
[Quality and RoHS](#)
[Technical Documents](#)

Datasheet



CYW20704 Single-Chip Bluetooth Transceiver and Baseband Processor (pdf, 4.1 MB)

Datasheet updated: October 20, 2016



BCM20704UA1KFFB1G

Automotive Grade	No
Bluetooth Specification	Bluetooth 4.1
CPU Core	ARM Cortex M3
Co-existence Interface	GCI SECI
Cypress Module Area (mm)	N/A
Dedicated ADC (Max. Resolution @ Sampling Rate)	No
Device Type	Silicon
Interfaces	USB 2.0, UART, I2C, 2 PCM, 2 I2S
Max. Operating Frequency (MHz)	96
Max. Operating Temp. (°C)	85
Max. Operating Voltage (V)	3.60
Min. Operating Temp. (°C)	-30
Min. Operating Voltage (V)	3.00
Module Features	N/A
No. of Dedicated Timer/Counter/PWM Blocks	0
No. of GPIOs	8
Partner Modules Available	Y
Power-Class	Class 1, Class 2
Product Family	BCM20704
RAM (KB)	352
Silicon Features	HCI-over-UART/USB, Audio
Software Support	WICED
Wireless Technology	Bluetooth (BR + EDR + BLE)

PRICING & INVENTORY AVAILABILITY

1-9 unit Price*	10-24 unit Price*	25-99 unit Price*	100-249 unit Price*	250-999 unit Price*	1000+ unit Price*
Contact Sales					

Availability	Quantity	Ships In	Order Now
In Stock	106	24-48 hours	Check Distributors**

DESIGN SUPPORT

[Development Kits](#)
[Forums](#)
[Knowledge Base](#)
[Packaging](#)
[Product Brochures](#)
[Quality & Reliability](#)
[Samples](#)
[Technical Support](#)
[Technical Training](#)
[Third Party Network \(CYPros\)](#)

TRAINING

[Workshops](#)
[Training On-Demand](#)
[Webinars](#)

* Prices are shown in United States dollars and are for budgetary use only for volume of 1ku

PACKAGING/ORDERING	
No. of Pins	49
Package Cross Section Drawing	Download
Package Carrier	TRAY
Package Carrier Drawing / Orientation	Package Orientation
Standard Pack Quantity	3430
Minimum Order Quantity (MOQ)	490
Order Increment	490
HTS Code	8542.31.0000
ECCN	None
ECCN Suball	5A992C

QUALITY AND ROHS	
Moisture Sensitivity Level (MSL)	3
Peak Reflow Temp. (°C)	260 (Cypress Reflow Profile)
RoHS Compliant	Y Print RoHS Certificate of Compliance
PB Free	Y
Lead/Ball Finish	Sn/Ag/Cu/Ni
Marking	Cypress Marking Format

TECHNICAL DOCUMENTS	
Product Information Notice (PIN) (1)	
PIN162703: Acquisition of Broadcom's Internet of Things Business Jul 25, 2016	
Product Overviews (1)	
BCM20704 Product Brief Jul 04, 2016	

Products

Wireless Connectivity
WICED Wi-Fi
Bluetooth Low Energy
32-bit ARM® Cortex® MCUs
Programmable System-on-Chip
Universal Serial Bus (USB)
Memory
Touch Sensing
Power Management ICs
Clocks & Buffers

Applications

Internet of Things (IoT)
Aerospace & Defense
Automotive Solutions
Home Appliance
Medical
Consumer Electronics
Communication & Telecom
Industrial
Wireless
Reference Designs

Design Support

Cypress Developer Community
WICED IoT Community
Knowledge Base
Workshops
Video
Development Kits/Boards
Quality & Reliability
RoHS & Green
Design Partner Program
WICED IoT Partners
Product Roadmaps

Buy & Sample

Request Samples
Buy Devices & Dev. Kits

About Us

Investors
Careers

Contact Us

Corporate Headquarters:
Cypress Semiconductor
198 Champion Court
San Jose, CA 95134 USA
Tel: +1-408-943-2600

Customer Service Support:
+1-800-541-4736
Hours:
8:00AM - 5:00PM (local time)
[Create a MyCase](#)

International Support:
+1-408-943-2600
United States +1-800-541-4736
Hours:
4:30AM - 1:30PM (pacific time)
7:30PM - 4:30AM (standard time)

Other Requests:
[Contact Us](#)
[Customer Care](#)
[Report a Website Problem](#)

