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BCM20706UA1KFFB1G

Status: **In Production**

Datasheet   Pricing & Inventory Availability   Packaging/Ordering

Quality and RoHS   Technical Documents

Datasheet

📄 CYW20706 Embedded Bluetooth 4.2 SoC with MCU, Bluetooth Transceiver, and Baseband Processor (pdf, 4.17 MB) ✓RoHS Ⓟb
Datasheet updated: October 04, 2016

BCM20706UA1KFFB1G	
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)	10-bit @ 100 KHz (Static) 13-bit @ 16 KHz (Audio)
Device Type	Silicon
Interfaces	2 UART, 2 SPI, I2C, PCM, 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	4
No. of GPIOs	24
Partner Modules Available	Y
Power-Class	Class 1, Class 2
Product Family	BCM20706
RAM (KB)	352
Silicon Features	Infrared TX/RX, 4 TRIAC controls
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
Out of Stock	0	Please click here to check lead times	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

** Check Distributors: This part is sold through distributors only.

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)

BCM20706 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

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Investors
Careers

Contact Us

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Hours:

8:00AM - 5:00PM (local time)

Create a MyCase

International Support:

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Hours:

4:30AM - 1:30PM (pacific time)

7:30PM - 4:30AM (standard time)

Other Requests:

Contact Us

Customer Care

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