



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# BCM20736E

Status: NRND: Recommended CYW20736E  
RoHS PB Free

## BCM20736E

Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 4.1
CPU Core	ARM Cortex M3
Cypress Module Area (mm)	6.5 x 6.5 x 1.2
Dedicated ADC (Max. Resolution @ Sampling Rate)	10-bit @ 187 KHz (Static) 13-bit @ 5.8 KHz (Audio)
Device Type	Module
Interfaces	2 UART, 2 SPI, I2C
Max. Operating Frequency (MHz)	24
Max. Operating Temp. (°C)	85
Max. Operating Voltage (V)	3.60
Min. Operating Temp. (°C)	-30
Min. Operating Voltage (V)	1.40
Module Features	Integrated 24 MHz crystal, FCC and CE compliant, Ext. antenna required
No. of Dedicated Timer/Counter/PWM Blocks	4
No. of GPIOs	14
Partner Modules Available	N
Power-Class	Class 2, Class 3
Product Family	BCM20736
RAM (KB)	60
Silicon Features	Infrared TX/RX, Wireless Charging (A4WP), LE

	Audio
Software Support	WICED
Tape & Reel	N
Wireless Technology	Bluetooth Low Energy

## Packaging/Ordering

No. of Pins 48  
 Package Carrier TRAY  
 Standard Pack Quantity 1820  
 Minimum Order Quantity (MOQ) 260  
 Order Increment 260  
 HTS Code 8542.31.0000  
 ECCN None  
 ECCN Suball 5A992C

## Quality and RoHS

Moisture Sensitivity Level (MSL) 3  
 Peak Reflow Temp. (°C) 260  
 RoHS Compliant Y  
 PB Free Y  
 Lead/Ball Finish Ni/Au