

CYW20706UA2KFFB4G

Status: **In Production**



Datasheet



English

File Type: PDF

Updated: Jun 02, 2020

Product Specs

Pricing & Inventory

Packaging/Ordering

Quality and RoHS

Technical Documents

CYW20706UA2KFFB4G

Automotive Grade	N
Automotive Qualified	N
Bluetooth Specification	Bluetooth 5.0
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 GPIOs	24
Partner Modules Available	Y
Power-Class	Class 1, Class 2
Product Family	BCM20706
RAM (KB)	352
Silicon Features	Infrared TX
Software Support	WICED
Tape & Reel	N
Wireless Technology	Bluetooth (BR + EDR + BLE)

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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	Buy from Cypress	Buy from Distributors
Out of Stock	0	Please click here to check lead times	Contact Sales	Buy

* 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
Estimated Lead Time (days)	252
HTS Code	8542.31.0001
ECCN	None
ECCN Suball	5A992.C

QUALITY AND ROHS

Moisture Sensitivity Level (MSL)	
Peak Reflow Temp. (°C)	260 (Cypress Reflow Profile)
RoHS Compliant	Y
PB Free	Y
Lead/Ball Finish	Sn/Ag/Cu
Marking	Cypress Marking Format

TECHNICAL DOCUMENTS

Application Notes (25)

AN214858 - Downloading Firmware to CYW20733 Modules Using BlueTool™ Mar 03, 2021

AN214872 - Failsafe Over-the-Air Update Mar 03, 2021

AN214896 - Over-the-Air (OTA) Firmware Update Procedure for Bluetooth Low Energy (BLE) Devices Mar 03, 2021

AN214873 - Bluetooth Low-Energy RF Testing Using BlueTool™ Mar 03, 2021

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CORPORATE HEADQUARTERS

Cypress Semiconductor Corp.
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)
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