CYW20835PB1KML1GT ✅ RoHS Ⓟ Pb

Status: Contact Sales

Product Specs	Pricing & Inventory	Packaging/Ordering	Quality and RoHS	Technical Documents

CYW20835PB1KML1GT

Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 5.0
CPU Core	ARM Cortex M4 (with FPU)
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 (Single/Dual/Quad), I2C, PDM
Max. Operating Frequency (MHz)	96
Max. Operating Temp. (°C)	70
Max. Operating Voltage (V)	3.60
Min. Operating Temp. (°C)	0
Min. Operating Voltage (V)	3.00
Module Features	N/A
No. of GPIOs	25
Partner Modules Available	N
Power-Class	Class 1, Class 2
Product Family	BCM20735
RAM (KB)	384
Silicon Features	Security Engine, Infrared TX/RX, Keyboard Scanner, Mouse Quadrature Decoder, 4 TRIAC controls, Audio
Tape & Reel	Y
Wireless Technology	Bluetooth (BR + 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	Contact Sales

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

PACKAGING/ORDERING

No. of Pins	60
Package Cross Section Drawing	Download
Package Carrier	REEL
Package Carrier Drawing / Orientation	Package Orientation
Standard Pack Quantity	2500
Minimum Order Quantity (MOQ)	2500
Order Increment	2500
Estimated Lead Time (days)	91
HTS Code	8542.31.0001
ECCN	None
ECCN Suball	5A992.C

QUALITY AND ROHS

Moisture Sensitivity Level (MSL)	3

Feedback

Peak Reflow Temp. (°C)	260 (Cypress Reflow Profile)
RoHS Compliant	Y Print RoHS Certificate of Compliance
PB Free	Y
Lead/Ball Finish	Pure Sn
Marking	Cypress Marking Format

Device Qualification Reports

FIT/MTBF, ESD (HBM/CDM) and Latch-up data available in the Device Qualification Report.

QTP#180601 Qualification of CYW20735PB1KML1G, Single Bluetooth Transceiver in 60 pin QFN Package.pdf *Last Update: Jun 10, 2018*

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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