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BCM20733A2KML1GT

Status: **NRND: Recommended** [CYW20733A2KML1GT](#)

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Datasheet


[CYW20733 Single-Chip Bluetooth Transceiver Wireless Input Devices Datasheet.pdf \(pdf, 7.06 MB\)](#)



 Datasheet updated: November 22, 2016

BCM20733A2KML1GT	
Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 3.0
CPU Core	ARM7TDMI-S
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)	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	N/A
No. of Dedicated Timer/Counter/PWM Blocks	4
No. of GPIOs	27
Partner Modules Available	N
Power-Class	Class 1, Class 2, Class 3
Product Family	BCM20733
RAM (KB)	80
Silicon Features	Infrared TX/RX, Keyboard Scanner, Mouse Quadrature Decoder, Shutter Control for 3D Glasses, 4 TRIAC controls, Audio, Class-D Audio Amplifier
Tape & Reel	Y
Wireless Technology	Bluetooth (BR + EDR)

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					

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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	56
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
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	Pure Sn
Marking	Cypress Marking Format

TECHNICAL DOCUMENTS

Product Information Notice (PIN) (1)

[PIN162703: Acquisition of Broadcom's Internet of Things Business Jul 25, 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

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Consumer Electronics
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Industrial
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