

CYW20736A1KWBGT

Status: In Production

CYW20736A1KWBGT

Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 4.1
CPU Core	ARM Cortex M3
Cypress Module Area (mm)	N/A
Dedicated ADC (Max. Resolution @ Sampling Rate)	10-bit @ 187 KHz (Static) 13-bit @ 5.8 KHz (Audio)
Device Type	Silicon
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	N/A
No. of Dedicated Timer/Counter/PWM Blocks	4
No. of GPIOs	40
Partner Modules Available	Y
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	Y
Wireless Technology	Bluetooth Low Energy

Package Carrier	REEL
Package Carrier Drawing / Orientation	Package Orientation
Standard Pack Quantity	5000
Minimum Order Quantity (MOQ)	5000
Order Increment	5000
HTS Code	8542.31.0000
ECCN	None
ECCN Suball	5A992C

QUALITY AND ROHS

Moisture Sensitivity Level (MSL)	1
Peak Reflow Temp. (°C)	260 (Cypress Reflow Profile)
RoHS Compliant	Y Print RoHS Certificate of Compliance
PB Free	Y
Lead/Ball Finish	Sn/Ag
Marking	Cypress Marking Format