



CYW20736ET

Status: In Production

RoHS PB Free

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	Y
Wireless Technology	Bluetooth Low Energy

Packaging/Ordering

No. of Pins 48
 Package Carrier REEL
 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
 RoHS Compliant Y
 PB Free Y
 Lead/Ball Finish Ni/Au