



CYW20732E

Status: In Production

RoHS PB Free

CYW20732E

Automotive Grade	No
Automotive Qualified	N
Bluetooth Specification	Bluetooth 4.0
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	BCM20732
RAM (KB)	60
Silicon Features	Infrared TX/RX
Software Support	WICED
Tape & Reel	N
Wireless Technology	Bluetooth Low Energy

Packaging/Ordering

No. of Pins 48

Package Carrier TRAY

Standard Pack Quantity 1820

Minimum Order Quantity (MOQ) 260

Order Increment 260

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