

CYW20736ST
 RoHS
 PB Free

Status: **In Production**



CYW20736ST	
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 antenna and 24 MHz crystal, FCC and CE compliant
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

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	48
Package Cross Section Drawing	Download
Package Carrier	REEL

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TRAINING

- [Workshops](#)
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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	Ni/Au
Marking	Cypress Marking Format

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