

CYW4354XKUBGT



Status: In Production

Datasheet



English

File Type: PDF

Updated: Jun 01, 2017

Product Specs

Packaging/Ordering

Quality and RoHS

Technical Documents

CYW4354XKUBGT

Automotive Grade	No
Automotive Qualified	N
Bluetooth Power Class	Class 1, Class 2
Bluetooth Specification	Bluetooth 4.1
Co-existence Interface	Integrated Wi-Fi and Bluetooth Coexistence, GCI SECI for external radios
Device Type	Silicon
Driver Support	Linux
FM Transceiver (TX/RX)	RX
Interfaces	PCIe v3.0, SDIO v3.0/2.0, HSIC for Wi-Fi and HCI-over-USB2.0/UART, I2S/PCM audio for Bluetooth
MIMO/SISO	2x2 MIMO
Max. Operating Temp. (°C)	85
Max. Operating Voltage (V)	5.25
Min. Operating Temp. (°C)	-30
Min. Operating Voltage (V)	3.00
Module Features	N/A
No. of Dedicated Timer/Counter/PWM Blocks	0
No. of GPIOs	15
Partner Modules	N
Product Family	BCM4354
Security and Encryption	WEP, WPA, WPA2 Network Security with TKIP, AES-CCMP, IEEE 802.1x Encryption Support, Cisco Compatible Extensions, WPS support
Silicon Features	Integrated 2.4 GHz and 5 GHz PA, PMU with Buck-Mode Switching Regulator, Shared Bluetooth and Wi-Fi Antenna Support
Tape & Reel	Y
Wi-Fi Band	Dual Band (2.4/5Ghz)
Wi-Fi PHY Data Rate (Mbps)	867Mbps
Wireless Technology	Wi-Fi, Bluetooth (BR + EDR + BLE)

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Availability

Quantity

Ships In

Buy from Cypress

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In Stock

240

24-48 hours

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* Prices are shown in United States dollars and are for budgetary use only for volume of 1ku

PACKAGING/ORDERING

No. of Pins	192
Package Cross Section Drawing	Download
Package Carrier	REEL
Package Carrier Drawing / Orientation	Package Orientation
Standard Pack Quantity	5000
Minimum Order Quantity (MOQ)	5000

Order Increment	5000
Estimated Lead Time (days)	91
HTS Code	8542.31.0001
ECCN	None
ECCN Suball	5A992.C

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/Cu
Marking	Cypress Marking Format

TECHNICAL DOCUMENTS	
Application Notes (12)	
AN214848 - CYW43XX: FM Receiver Trace Routing Guidelines Aug 24, 2017	
AN214851 - WLAN Packet Queue Statistics (PKTQ_STATS) Aug 24, 2017	
AN214843 - Cypress Bluetooth SoC, Crystal, TCXO, RFIC, and LPO Application Note Aug 24, 2017	
AN214808 OTP Programming and NVRAM Development in SDIO Mode CYW4354/CYW4356/CYW4358 Aug 24, 2017	
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