

CYW20736A1KML2GT

Status: In Production

CYW20736A1KML2GT

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| 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 | 14 |
| 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 |

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|---------------------------------------|-------------------------------------|
| Package Carrier | REEL |
| 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

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|----------------------------------|--|
| 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 | Pure Sn |
| Marking | Cypress Marking Format |