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# CY8C4247LQQ-BL483

Status: **Sampling**

Pricing & Inventory Availability    Packaging/Ordering    Quality and RoHS

### CY8C4247LQQ-BL483

| | |
|---|---|
| Boost Converter (V) | 0 |
| CPU Core | ARM Cortex-M0 |
| CapSense | Y |
| Dedicated ADC (#Max Resolution @ Sample Rate) | SAR (1, 12-bit @ 1 msps) |
| EEPROM (KB) | 0 |
| Flash (KB) | 128 |
| LCD Direct Drive | Y |
| Max. Operating Frequency (MHz) | 48 |
| Max. Operating Temp. (°C) | 85 |
| Max. Operating Voltage (V) | 5.50 |
| Min. Operating Temp. (°C) | -40 |
| Min. Operating Voltage (V) | 1.90 |
| No. of CAN Controllers | 0 |
| No. of Continuous Time Blocks | 2 |
| No. of DMA Channels | 0 |
| No. of Dedicated Comparators | 2 |
| No. of Dedicated Timer/Counter/PWM Blocks | 4 |
| No. of GPIOs | 36 |
| No. of Op Amps | 4 |
| No. of SIO | 0 |
| No. of Serial Communication Blocks | 2 |
| No. of USB IO | 0 |
| No. of Universal Digital Blocks | 4 |
| SRAM (KB) | 16 |
| USB (Type) | None |

PRICING & INVENTORY AVAILABILITY

## DESIGN SUPPORT

Development Kits

Forums

Knowledge Base

Packaging

Product Brochures

Quality & Reliability

Samples

Technical Support

Technical Training

Third Party Network (CYPros)

## TRAINING

Workshops

Training On-Demand

Webinars

| 1-9 unit Price* | 10-24 unit Price* | 25-99 unit Price* | 100-249 unit Price* | 250-999 unit Price* | 1000+ unit Price* |
|---|---|---|---|---|---|
| $5.08 | $4.86 | $4.65 | $4.44 | $4.22 | $3.87 |

| Availability | Quantity | Ships In | Order Now |
|---|---|---|---|
| Out of Stock | 0 | Please click here to check lead times | Check Distributors** |

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

\*\* **Check Distributors:** This part is sold through distributors only.

## PACKAGING/ORDERING

| | |
|---|---|
| Package | QFN |
| No. of Pins | 56 |
| Package Dimensions | 275 L x 1 H x 275 W (Mils) |
| Package Weight | 94.78 (mgs) |
| Package Cross Section Drawing | Download |
| Package Carrier | TRAY |
| Package Carrier Drawing / Orientation | Drawing , Package Orientation |
| Standard Pack Quantity | 260 |
| Minimum Order Quantity (MOQ) | 260 |
| Order Increment | 260 |
| Estimated Lead Time (days) | 42 |
| HTS Code | 8542.31.0000 |
| ECCN | B |
| ECCN Suball | 5A992 |

## 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/Pd/Au, Pure Sn |
| Marking | Cypress Marking Format |

**Package Material Declaration**

56L - QFN 7X7X0.6 MM (SAW VERSION) PB- FREE PACKAGE MATERIAL DECLARATION DATASHEET (PMDD) *Last Update: Jul 26, 2016*

**IPC 1752 Material Declaration**

IPC1752 MATERIAL DECLARATION QFN 56 (LQ56) - AMKOR PHIL - AU WIRE *Last Update: Oct 12, 2016*

**Device Qualification Reports**

FIT/MTBF, ESD (HBM/CDM) and Latch-up data available in the Device Qualification Report.

QTP#141901 - PSOC4A-BLE DEVICE FAMILY S8PIR-10R TECHNOLOGY, FAB 4 (CMI).pdf *Last Update: Sep 06, 2015*

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| | | | |
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| Touch Sensing | Industrial | RoHS & Green | |
| Power Management ICs | Wireless | Design Partner Program | |
| Clocks & Buffers | Reference Designs | WICED IoT Partners | |
| | | Product Roadmaps | |

## Contact Us

**Corporate Headquarters:**

Cypress Semiconductor

198 Champion Court

San Jose, CA 95134 USA

Tel: +1-408-943-2600

**Customer Service Support:**

+1-800-541-4736

Hours:

8:00AM - 5:00PM (local time)

Create a MyCase

**International Support:**

+1-408-943-2600

United States +1-800-541-4736

Hours:

4:30AM - 1:30PM (pacific time)

7:30PM - 4:30AM (standard time)

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