



**CY7C69356-48LTXC**

 RoHS  
 PB Free

**Status: In Production**
**Datasheet**

**English**

 (pdf, 2.81 MB)    
 File Type: PDF  
 Updated: Oct 07, 2016

| CY7C69356-48LTXC           |   |
|----------------------------|---|
| Application                | USB Full-Speed Peripherals                |
| Automotive Qualified       | N   |
| CPU Core                   | M8C                                       |
| Data Transfers             | Bulk, Interrupt, Isochronous              |
| I/O Options                | USB, GPIO, SPI, CLKIN/OUT, Vreg, ADC, I2C |
| Max. Operating Temp. (°C)  | 70  |
| Max. Operating Voltage (V) | 5.50                                      |
| Memory Architecture        | Flash                                     |
| Memory Size (KB)           | 32  |
| Min. Operating Temp. (°C)  | 0   |
| Min. Operating Voltage (V) | 3.00                                      |
| No. of I/Os                | 36  |
| Tape & Reel                | N   |

| DESIGN SUPPORT                               |
|--|
| <a href="#">Development Kits</a>             |
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| <a href="#">Knowledge Base</a>               |
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| <a href="#">Quality &amp; Reliability</a>    |
| <a href="#">Samples</a>                      |
| <a href="#">Technical Support</a>            |
| <a href="#">Technical Training</a>           |
| <a href="#">Third Party Network (CYPros)</a> |

**PRICING & INVENTORY AVAILABILITY**

| Availability | Quantity | Ships In    | Buy from Cypress              | Buy from Distributors         |
|--------------|----------|-------------|-------------------------------|-------------------------------|
| In Stock     | 100      | 24-48 hours | <a href="#">Contact Sales</a> | <a href="#">Contact Sales</a> |

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

| TRAINING                           |
|------------------------------------|
| <a href="#">Workshops</a>          |
| <a href="#">Training On-Demand</a> |
| <a href="#">Webinars</a>           |

| PACKAGING/ORDERING                    |   |
|---------------------------------------|---|
| Package                               | QFN   |
| No. of Pins                           | 48  |
| Package Dimensions                    | 276 L x 35 H x 276 W (Mils)                                   |
| Package Weight                        | 145.21 (mgs)  |
| Package Cross Section Drawing         | <a href="#">Download</a>                                      |
| Package Carrier                       | TRAY  |
| Package Carrier Drawing / Orientation | <a href="#">Drawing</a> , <a href="#">Package Orientation</a> |
| Standard Pack Quantity                | 260   |
| Minimum Order Quantity (MOQ)          | 260   |
| Order Increment                       | 260   |
| Estimated Lead Time (days)            | 42  |
| HTS Code                              | 8542.31.0000  |
| ECCN                                  | (A.3)   |
| ECCN Suball                           | 3A991   |

| 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                               |
| Marking  | Cypress Marking Format                 |
| <b>Package Material Declaration</b>  |  |
| 48L - QFN PB-free Package Material Declaration Datasheet <i>Last Update: Feb 01, 2016</i>                                  |  |
| <b>IPC 1752 Material Declaration</b>   |  |
| IPC1752 MATERIAL DECLARATION QFN 48 (7 X 7 X 1.0 MM) (LT48) - AMKOR-PHIL - AU WIRE <i>Last Update: Nov 10, 2016</i>        |  |
| IPC1752 MATERIAL DECLARATION QFN 48 (7 X 7 X 1.0 MM) (LT48) - CA - AU WIRE <i>Last Update: Oct 14, 2016</i>                |  |
| IPC1752 MATERIAL DECLARATION QFN 48 (LT48) - ASE TAIWAN - AU WIRE <i>Last Update: Oct 12, 2016</i>                         |  |
| <b>RoHS Analysis Certificates (CoA) for Direct Materials</b>   |  |
| Please click <a href="#">here</a>  |  |
| <b>Package Qualification Report</b>  |  |
| QTP 112107: 48QFN 7X7X1MM (LT48A, LT48C AND LT48D), NIPDAU, MSL3 260C REFLOW ASEK- TAIWAN <i>Last Update: Sep 19, 2016</i> |  |

**TECHNICAL DOCUMENTS**
[Product Information Notice \(PIN\) \(4\)](#)

PIN135200 Feb 05, 2016  
Barcode Inclusion on Cypress Packing List  
PIN145273 Feb 05, 2016  
Improvement of Cypress Minnesota Back-End-of-Line Integration for 130nm SONOS Product Families  
PIN145277 Feb 05, 2016  
Changes to Cypress Address Labels  
PIN145296 Feb 05, 2016  
GSMC Merger with HH-NEC to Form HHGrace Semiconductor Manufacturing Corporation

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### CORPORATE HEADQUARTERS

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time)  
Create a MyCase

### INTERNATIONAL SUPPORT

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