



# Altera Cyclone V SoC Power Supply

(ACTIVE) PMP9353.5



Description & Features



Technical Documents



Support & Community



Order Now

View the [Important Notice for TI Designs](#) covering authorized use, intellectual property matters and disclaimers.

## Description

This reference design provides all the power supply rails necessary to power Altera's Cyclone V SoC FPGA. This design uses LMZ3 series modules to generate the rails to power the FPGA.



Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

## Bill of Materials (BOM)

Find the complete list of components in this reference design.



Download BOM

## TI Devices (1)

Order samples, get tools and find more information on the TI products in this reference design.

| Part Number | Name                                                                                        | Product Family      | Sample & Buy                     | Design Kits & Evaluation Modules                          |
|-------------|---------------------------------------------------------------------------------------------|---------------------|----------------------------------|-----------------------------------------------------------|
| LMZ31506    | 6A SIMPLE SWITCHER® Power Module with 2.95V-14.5V Input in QFN package with Current Sharing | Non-Isolated Module | <a href="#">Sample &amp; Buy</a> | <a href="#">View Design Kits &amp; Evaluation Modules</a> |

## CAD/CAE symbols

| Part #   | Package   Pins   | CAD File (.bxl)          | STEP Model (.stp) |
|----------|------------------|--------------------------|-------------------|
| LMZ31506 | B1QFN (RUQ)   47 | <a href="#">Download</a> | -                 |

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

**Step 1:** Download and install the Ultra Librarian software [ZIP: 62MB](#)

**Step 2:** Download the Symbol and Footprint .bxl file.

- [read more](#) -

## Technical Documents

## User Guides (1)

| Title                                | Abstract | Type | Size (KB) | Date        | Views |
|--------------------------------------|----------|------|-----------|-------------|-------|
| <a href="#">PMP9353 Test Results</a> |          | PDF  | 2372      | 24 Feb 2014 | 740   |

## Design Files (2)

| Title                             | Abstract | Type | Size (KB) | Date        | Views |
|-----------------------------------|----------|------|-----------|-------------|-------|
| <a href="#">PMP9353 BOM</a>       |          | PDF  | 102       | 24 Feb 2014 | 579   |
| <a href="#">PMP9353 Schematic</a> |          | PDF  | 1415      | 24 Feb 2014 | 878   |

## Support & Community

### TI E2E™ community

As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

#### Engage in the Community

- Amplifiers
- Broadband RF/IF & Digital Radio
- Clocks & Timers

- Data Converters
- DLP® & MEMS
- Interface

- Logic
- Power Management
- Wireless Connectivity

## Wikis

[Visit the TI Wiki](#)

## Other Support

- [TI E2E Community](#)
- [Contact Technical Support](#)

## Your History

Products You Recently Viewed

There are no items in your history.

TI is a global semiconductor design and manufacturing company. Innovate with 100,000+ analog ICs and embedded processors, along with software, tools and the industry's largest sales/support staff.