

Generates 1.8V, 2.5V, 3.3V, 5V @ 1A

(ACTIVE) PMP4503

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### Description

simple non synchronous buck with TPS54140 for various output voltages (1.8V, 2.5V, 3.3V, 5.0V) up to 1Amp load out of 16V to 36V

## TI Devices (1)

Get more information on the TI products in this reference design.

| Part Number | Name                                                      | Product Family                |
|-------------|-----------------------------------------------------------|-------------------------------|
| TPS54140    | 3.5V to 42V Input, 1.5A Step-Down Converter with Eco-Mode | Converter (Integrated Switch) |

## Bill of Materials

Find the complete list of components in this reference design.



## CAD/CAE Symbols

| Part #   | Package   Pins                                                                                        | CAD File (.bxl)          | STEP Model (.stp)        |
|----------|-------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| TPS54140 |  HVSSOP (DGQ)   10 | <a href="#">Download</a> | <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 .bzl file.

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## Technical Documents

User Guides (1)

| Title                                                                                                                  | Abstract | Type | Size (KB) | Date        | Views |
|------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|-------------|-------|
|  <a href="#">PMP4503 Test Results</a> |          | PDF  | 1126      | 16 Nov 2011 | 192   |

## More Literature (2)

| Title                                                                                                               | Abstract | Type | Size (KB) | Date        | Views |
|---------------------------------------------------------------------------------------------------------------------|----------|------|-----------|-------------|-------|
|  <a href="#">PMP4503 BOM</a>       |          | PDF  | 29        | 16 Nov 2011 | 187   |
|  <a href="#">PMP4503 Schematic</a> |          | PDF  | 66        | 16 Nov 2011 | 195   |

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In this power tip video senior applications engineer, Robert Kollman, discusses different methods for grounding power supply.

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Kollman

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Power Tip 56: Estimate PWB interconnect inductance

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