# Active Clamp Forward (3.3V@30A) for Telecom

(ACTIVE) PMP5052

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## Bill of Materials (BOM)

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## Parametrics

| | PMP5052 |
|---|---|
| Vin (Max) (V) | 75 |
| Vin (Min) (V) | 36 |
| Vout (Nom) (V) | 3.3 |
| Iout (Max) (A) | 30 |
| Output Power | 99 |
| Isolated/Non-Isolated | Isolated |
| Input Type | DC |
| Topology | Forward- Active Clamp |

## TI Devices (2)

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 |
|---|---|---|---|---|
| CSD16401Q5 | N-Channel NexFET™ Power MOSFET | Power MOSFET | Sample & Buy | Not Available |
| UCC2897A | Advanced Current-Mode Active Clamp PWM Controller | AC/DC and Isolated DC/DC Power Supply | Sample & Buy | View Design Kits & Evaluation Modules |

## CAD/CAE symbols

| Part # | Package \| Pins | CAD File (.bxl) | STEP Model (.stp) |
|---|---|---|---|
| CSD16401Q5 | VSON-CLIP (DQH) \| 8 | Download | - |
| UCC2897A | TSSOP (PW) \| 20 | Download | Download |
| | VQFN (RGP) \| 20 | Download | - |

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.

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## Technical Documents

### User Guides (1)

| Title | Abstract | Type | Size (KB) | Date | Views |
|---|---|---|---|---|---|
| PMP 5052 TEST RESULTS | | PDF | 246 | 14 Dec 2010 | 17 |

### Design Files (2)

| Title | Abstract | Type | Size (KB) | Date | Views |
|---|---|---|---|---|---|
| PMP5052 SCHEMATIC | | PDF | 95 | 20 Dec 2010 | 27 |
| PMP 5052 BILL OF MATERIALS | | PDF | 20 | 14 Dec 2010 | 22 |

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