



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## VRM: Voltage Regulator Module (Rev. B)

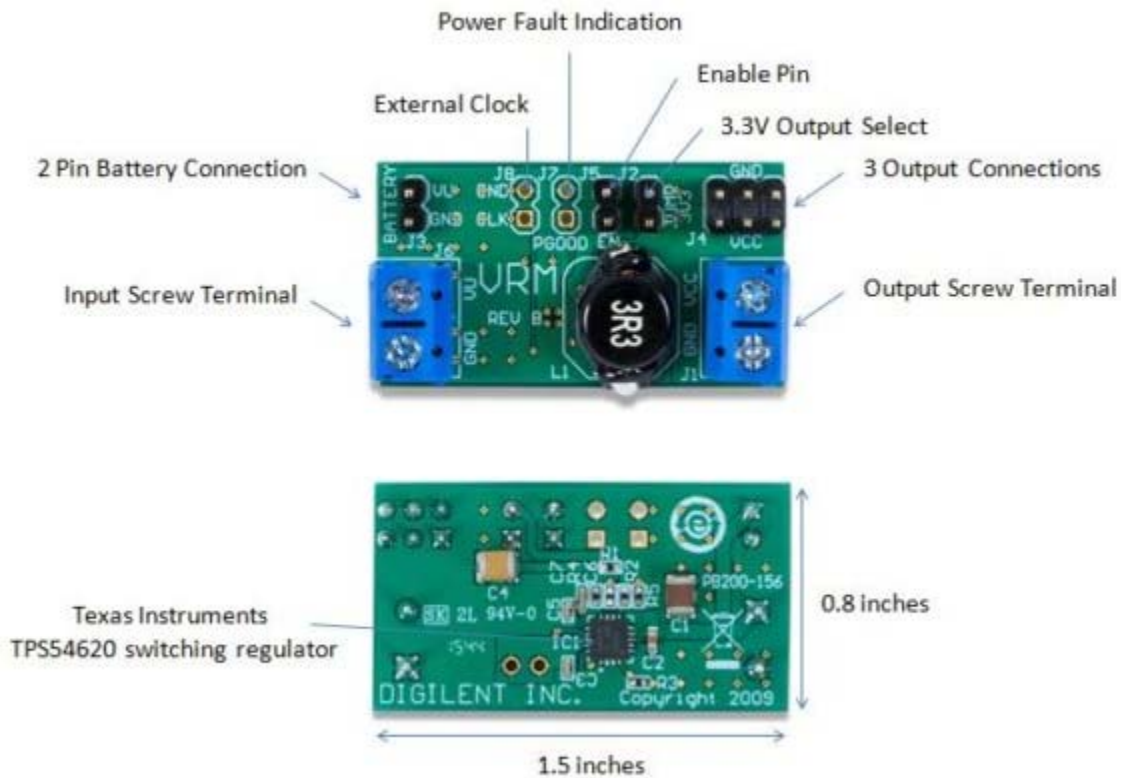
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### Product Description

The Digilent VRM (Voltage Regulator Module) is a battery-friendly, switching voltage regulator capable of providing 6A of current at 5V or 3.3V. The input voltage can be stepped down from sources as high as 15V. It is ideal for use in Mechatronics or Robotics applications to efficiently regulate battery voltage, or in any application where a clean step down is required.

Capable of providing 6A of power at multiple voltage levels, the VRM can provide power to multiple 5V servos, 12V motors, and a system board, allowing your robotics application a simple 1 battery power system.



### Features:

- Texas Instruments TPS54620 switching regulator
- 6A synchronous step down switcher
- Selectable 5V or 3.3V output voltage
- Input voltage range of 5-15V
- 479kHz internal switching frequency
- Switching synchronization to an external clock
- Screw terminals and pin headers for power input/output