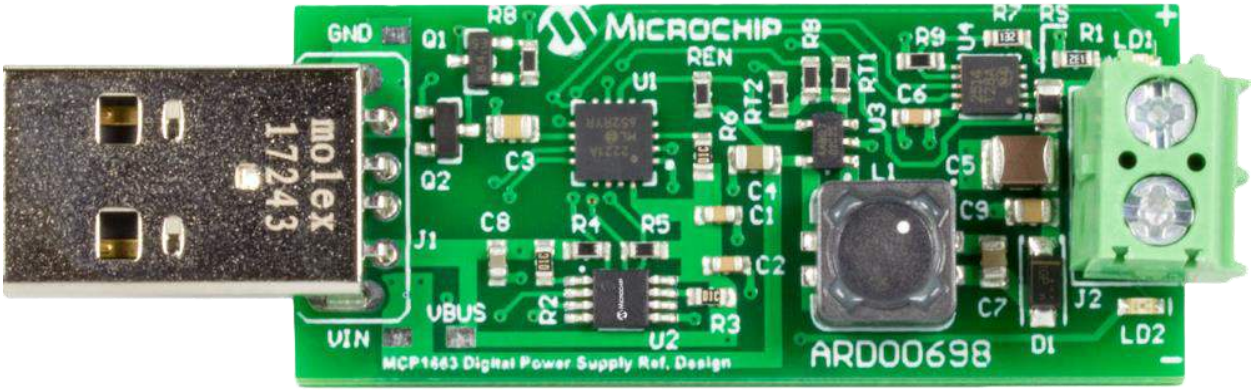

MCP1663 USB Programmable SEPIC Ref Design

Part Number: ARD00698

The MCP1663 USB programmable power supply reference design was developed to provide a versatile and easy to use solution for engineers. It easily transforms a typical computer's USB port into a variable output power supply capable of supplying 2.5V to 30V.

Features

The MCP1663 USB programmable power supply reference design board has the following features:

- Board
  - o 2.5V to 30V programmable output voltage (0.5V increments)
  - o 1.5A maximum input current
  - o Automatic disconnect in case of short circuit
  - o Non volatile memory for output voltage storing
  - o Output power measurement (voltage/current)

- GUI
  - o Output voltage selection by trackbar and numeric input
  - o Overload indication
  - o Instant output power indication
  - o Multiple device support with individual programming
  - o Self calibration for precise voltage output
  - o Emergency STOP button

Package Contents

1x MCP1663 USB Programmable SEPIC Ref Design

Documents

MCP1663 USB Programmable SEPIC Ref Design (ARD00698) GUI

MCP1663 USB Programmable SEPIC Ref Design (ARD00698) BOM

MCP1663 USB Programmable SEPIC Ref Design (ARD00698) Schematic

MCP1663 USB Programmable SEPIC Ref Design (ARD00698) Gerber Files