

ST-Micro Integrated Power Module



Listing details

Reference Number: RF159341

Common

Price: \$ 300.00

Country: United States

Description:

ST-Micro Integrated Power Module

Manufacturer Part #: AES-POM-SGS1-G

Alternate Part #: AES-POM-SGS1-G

The Avnet Mini-Module Plus power supply, designed in partnership with STMicroelectronics, can be used as a standalone or as a part of the Avnet Mini-Module Plus system, which consists of a modular baseboard with three slots that support an FPGA module, a power supply module and an optional FPGA mezzanine card (FMC) application module.

The STMicroelectronics Power Module features a mix of integrated regulators as well as power controllers, melding great design flexibility with ease of use. These devices combine to provide a robust, proven design for powering Xilinx 7 series FPGAs and Zynq®-7000 All Programmable SoCs.

Key Features

Step-down switching regulator with synchronous rectification 4 A output current (more than 5 pulsed)
Operating input voltage from 2.9 V to 18 V External 1.8 V \pm 2% reference voltage Output voltage from 0.6 to input voltage MLCC compatible 200 ns TON Programmable UVLO matches 3.3 V, 5 V and 12 V bus FSW programmable up to 1 MHz Voltage feed-forward Zero load current operation Programmable current limit on both switches Programmable sink current capability Pre-bias start up capability Thermal shutdown

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