

Power Solutions for ALTERA FPGAs & SoCs

Wide Selection of DC/DC power products for FPGAs

Infineon has a wide range of DC/DC power products for Altera FPGA/SoC families: Stratix, Arria, Cyclone, MAX.

Shown below is a design for Cyclone V, 20W highlighting Infineon's Analog SupIRBucks with Integrated FETs.

Altera - Cyclone V
20W

HIGHLIGHTS

Only 2 device types needed for 3 outputs, includes all FETs:

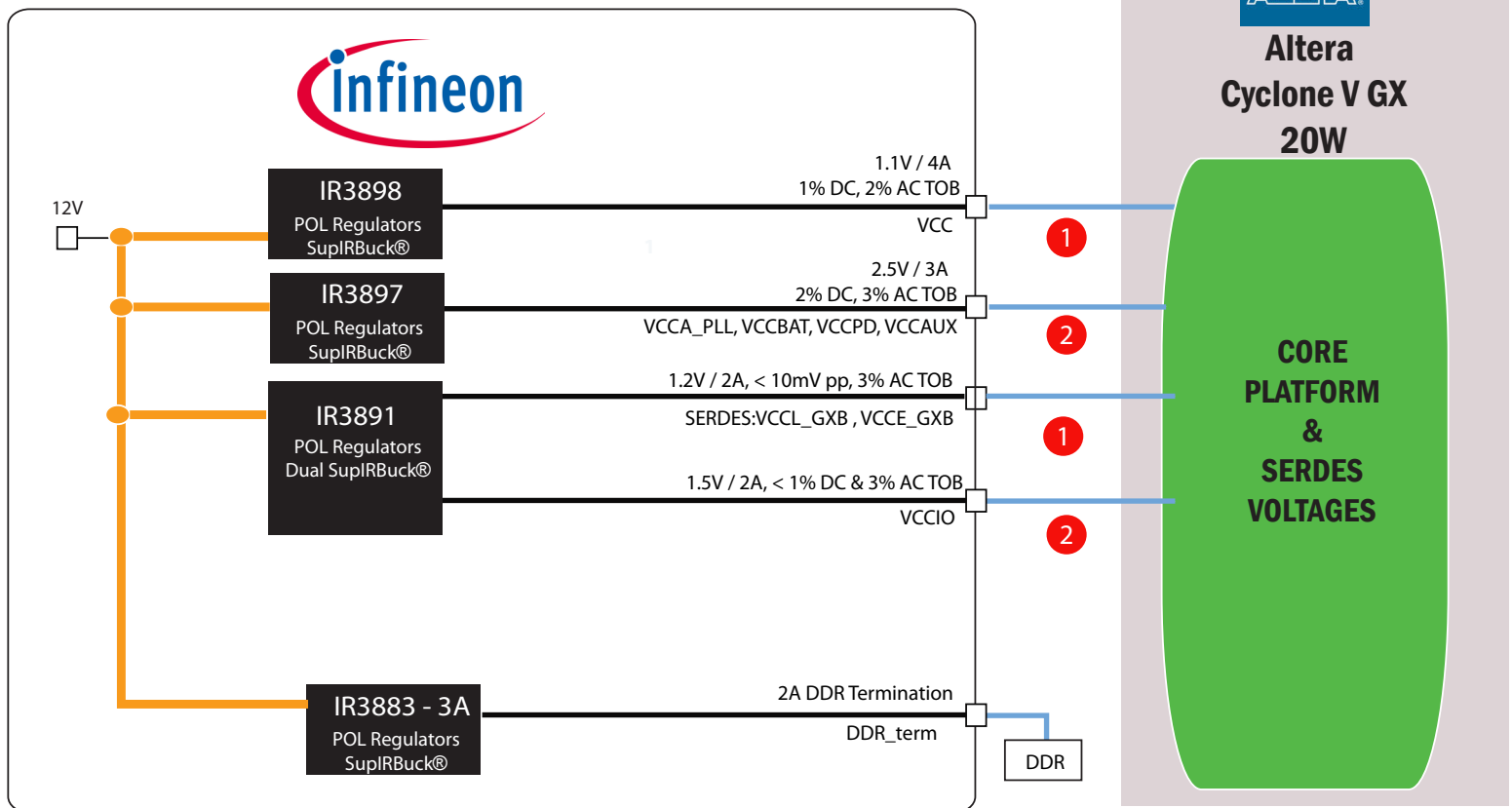
IR3891 Dual 3A + 3A POL

Space saving package for two full regulators with integrated FETs

Device 1: Core voltage and Platform voltages

Device 2: Platform VCCO voltages, settable single resistor designs for output voltage

IR3898/97 6A / 4A Single POL integrated FET, Low Noise DC/DC Regulators



● Power Up Sequence
(reverse in power down)

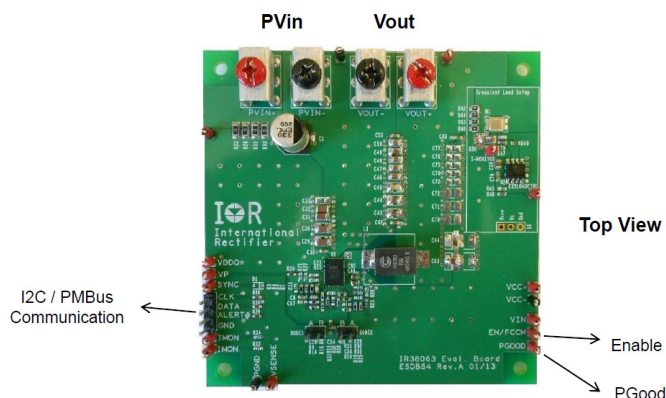
Alternatives: IR3823 3A

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EVALUATION BOARDS AVAILABLE

Altera - Cyclone V 20W

Part	Evaluation Board
IR3891	IRDC3891
IR3898	IRDC3898
IR3899	IRDC3899
IR3883	IRDC3883



DC/DC Products - All Altera FPGAs

	MAX	Cyclone	Arria	Stratix
Core Voltage	Analog: IR3823 IR3883 New	Analog: IR3823 IR3891 IR3883 New PMIC: IRPS5401 Q4'16	MP-Digital: IR38204 Analog: IR3899 IR3898 IR3897 IR3823 Digital: IR38060 IR38062 IR38063 IR38064 IR38263 Q3'16 PMIC: IRPS5401 Q4'16	MP-Digital: IR38204 Analog: IR3847 IR3848 Digital: IR38060 IR38063 IR38064 IR38263 Q4'16 PMIC: IRPS5401 Q4'16
Platform Voltages			Analog: IR3899 IR3898 IR3897 IR3892 IR3891 Digital: IR38060	Analog: IR3892 IR3891 IR3899 IR3894 IR3895
SERDES Voltages			Analog: IR3897 IR3892 IR3891 IR3823 Digital: IR38060 IR38062	Analog: IR3847 IR3846 IR3894 IR3895 Digital: IR38060 IR38062 IR38063
Peripheral Voltages			Analog IR3883 New IR3823	Analog IR3883 New IR3899 IR3894