

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.

Altera - Cyclone IV
10W to 15W

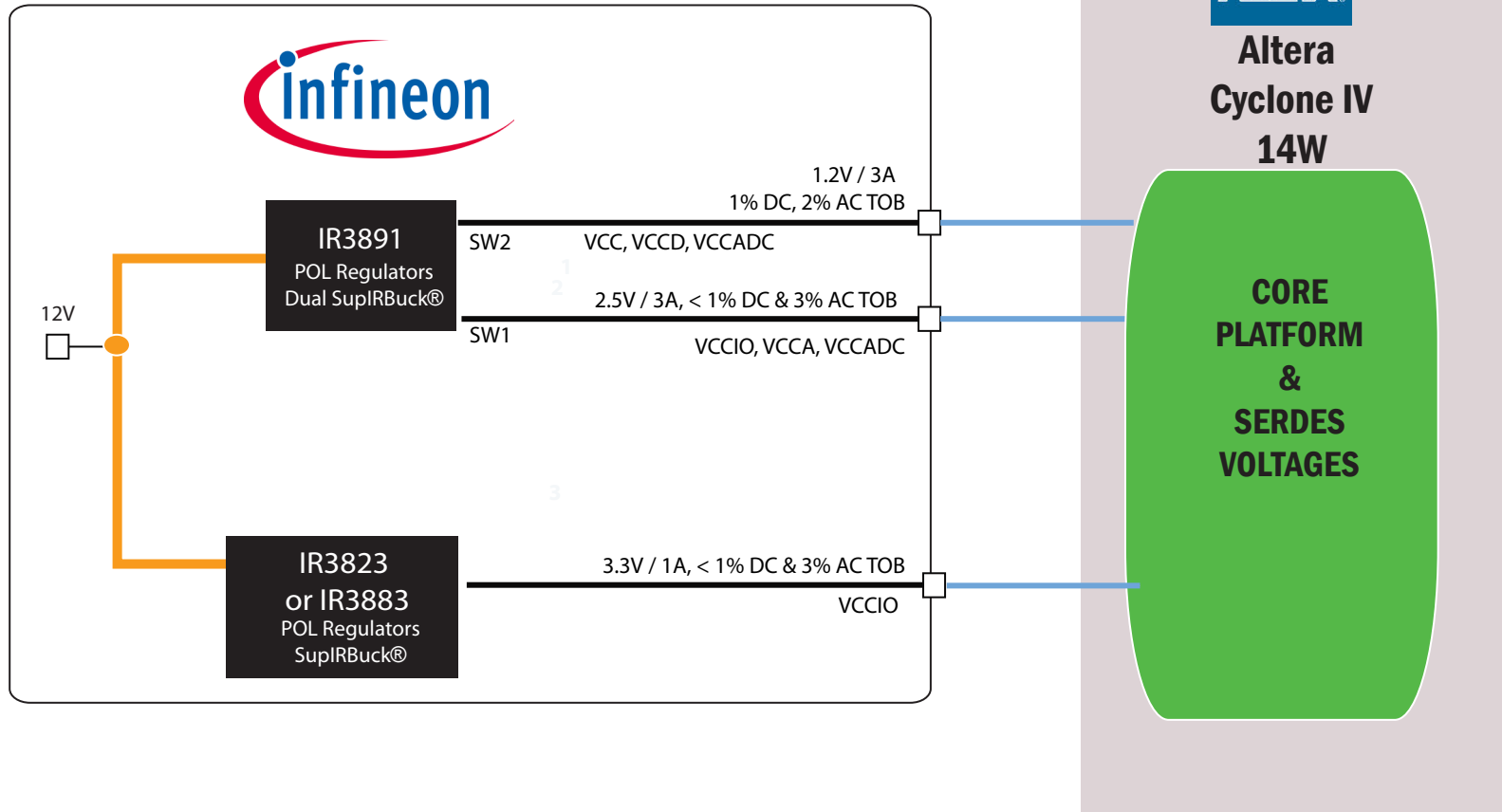
Shown below is a design for Cyclone IV, 10W to 15W highlighting Infineon's Analog SupIRBucks with Integrated FETs.

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

IR3823 3A Single POL for I/O voltages settable single resistor design for output voltage

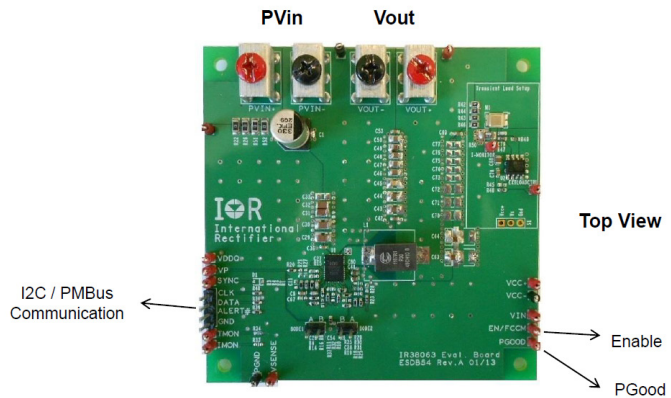


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Altera - Cyclone IV 10W to 15W

EVALUATION BOARDS AVAILABLE

| Part | Evaluation Board |
|--------|------------------|
| IR3891 | IRDC3891 |
| IR3823 | IRDC3823 |
| 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 |