## **SCHEMATIC PAGE DESCRIPTION:**

**PAGE01: BLOCK DIAGRAM** 

**PAGE02: POWER DISTRIBUTION** 

PAGE03: DDR2 L BANK

PAGE04: DDR2 U BANK

PAGE05: FPGA BANK 1 AND 2

PAGE06: FPGA BANK 3 AND 4

PAGE07: FPGA BANK 5 AND 6

PAGE08: FPGA BANK 7 AND 8

PAGE09: FPGA CLOCK AND VREF

**PAGE10: FPGA CONFIG** 

PAGE11: FPGA POWER

PAGE12: System Power Supply

**PAGE13: Connectors ANG One Wire** 

## **BLOCK DIAGRAM**

**JTAG** 

**IO Headers** 

**CLOCK** 

**FPGA** 

**Migration Devices:** 

EP4CE30F23 EP4CE40F23 EP4CE55F23 DDR2

DDR2

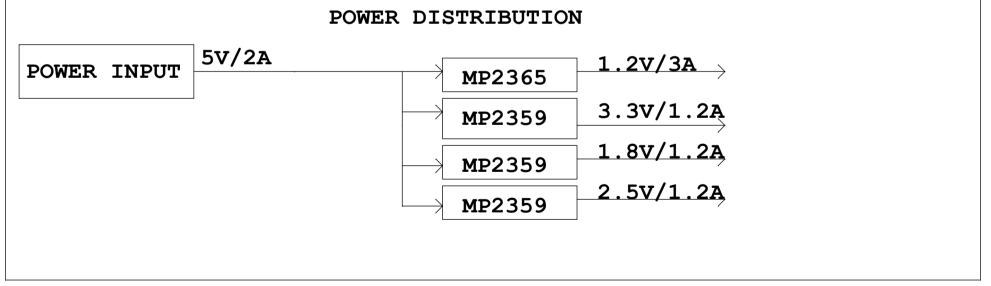
**LEDS** 

One Wire

**Config FLASH** 

BlackHawk
Title
ALTERA Cyclone IV FPGA Core
Size Block Diagram
Date: Friday, September 04, 2015 Sheet 1 of 13

POWER CONSUMPTION									
COMPONENTS	VOTAGE & CURRENT								
	1.2V	1.8V	2.5V	3.3V					
FPGA	TBD	TBD	TBD	TBD					



	BlackHawk					
Title	ALTERA Cyclone IV FPGA Core					
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