TI Power Reference Design for

Xilinx® Zynq-7000

ZC702 Evaluation Board for the Zynq-7000

These links will redirect you to Xilinx's website where you can download the design file.

- Schematic for ZC702

  link

- BOM for ZC702

  link

- User Guide for ZC702

  link

- Power Tree for ZC702

  link

- Gerber Files for ZC702

  link
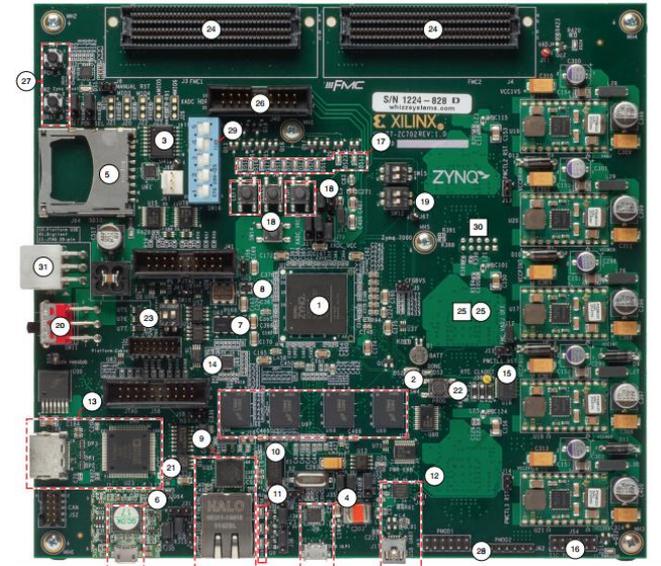
User Guide P10

ZC702 Evaluation Board Power Tree - 1

User Guide P56

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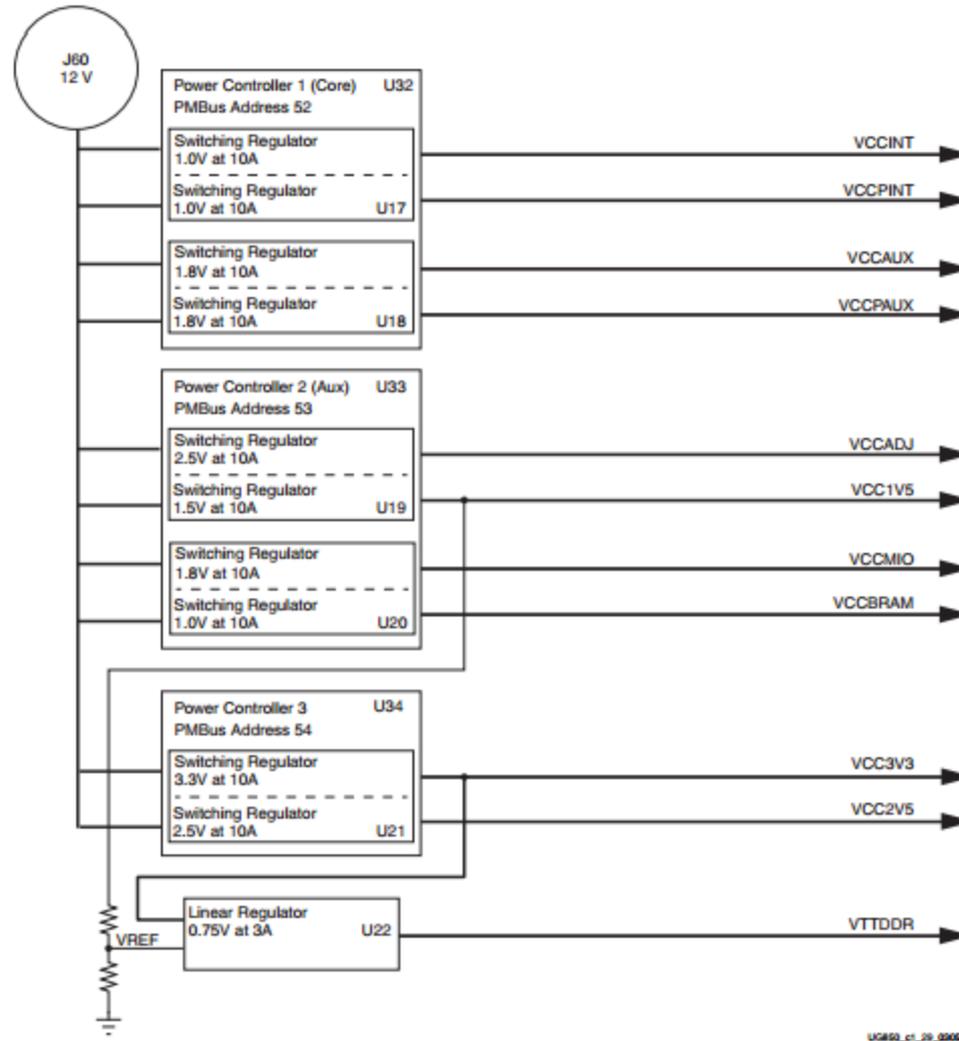
ZC702 Evaluation Board Power Tree - 2

Device Type	Reference Designator	Description	Power Rail Net Name	Power Rail Voltage	Schematic Page
Core voltage controller and regulators					
UCD9248PFC	U32	PMBus Controller—Core (Addr = 52)			39
PTD08D210W—VoutA	U17	Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCINT	1.00V	40
PTD08D210W—VoutB		Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCPINT	1.00V	40
PTD08D210W—VoutA	U18	Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCAUX	1.80V	41
PTD08D210W—VoutB		Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCPAUX	1.80V	41
Auxiliary voltage controller and regulators					
UCD9248PFC	U33	PMBus Controller—Aux (Addr = 53)			42
PTD08D210W—VoutA	U19	Dual 10A 0.6V—3.6V Adj. Switching Regulator (set to 1.8V, 2.5V or 3.3V)	VADJ	2.50V	43
PTD08D210W—VoutB		Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCC1V5	1.50V	43
PTD08D210W—VoutA	U20	Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCMIO_PS	1.80V	44
PTD08D210W—VoutB		Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCCBRAM	1.00V	44
UCD9248PFC	U34	PMBus Controller—Aux (Addr = 53)			45
PTD08D210W—VoutA	U21	Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCC3V3	3.30V	46
PTD08D210W—VoutB		Dual 10A 0.6V—3.6V Adj. Switching Regulator	VCC2V5/ VCC2V5_PL	2.50V	46
Linear regulator					
TPS51200DR	U22	3A Tracking Regulator	VTTDDR_PS	0.75V	37

User Guide P57

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