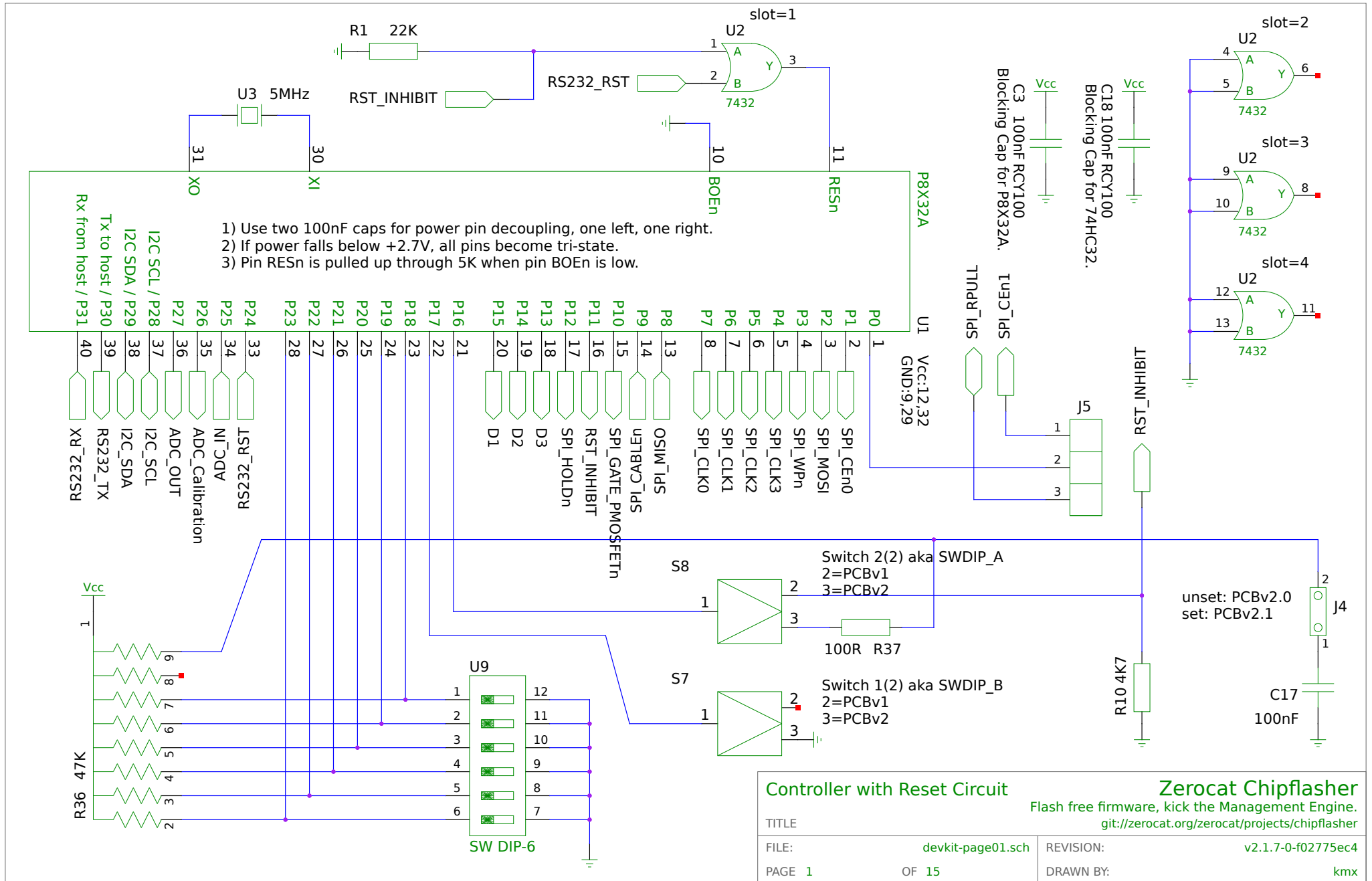
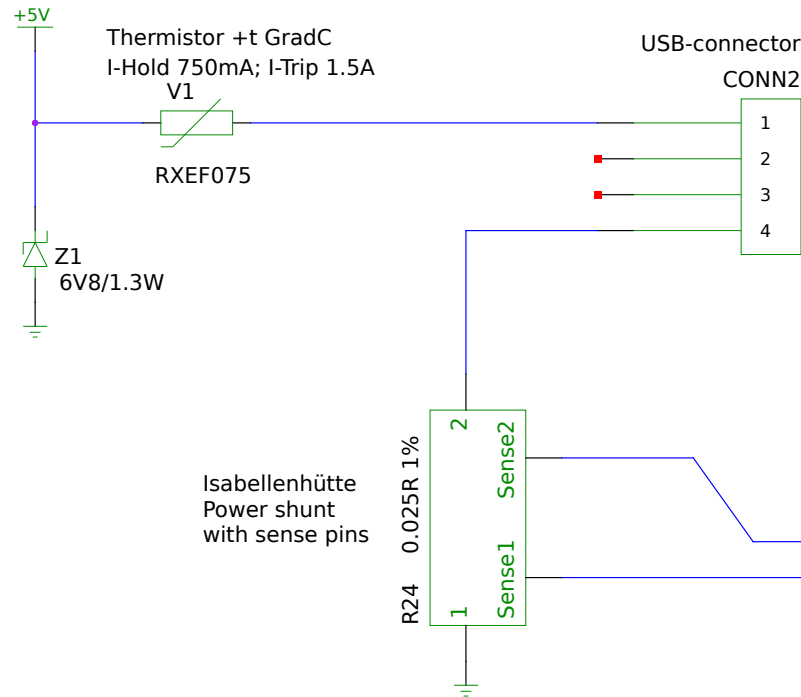






USB Power

chips: 5V@100mA,
use one USB-Port
boards: 5V@500mA,
use external Adapter

View from edge:
Pin 3 not connected.

GND-Sense

Power Input with Sense

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

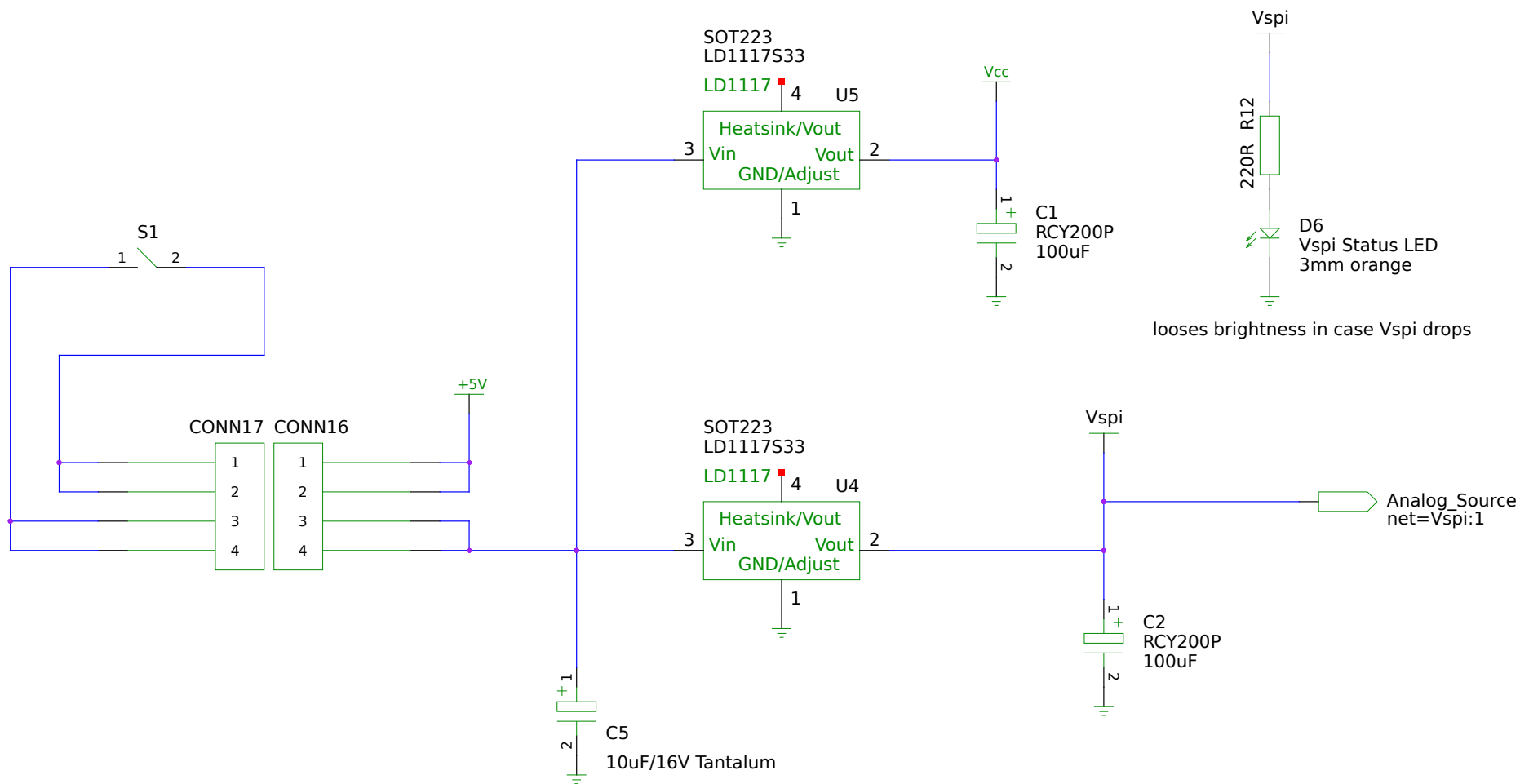
FILE: devkit-page02.sch

REVISION: v2.1.7-0-f02775ec4

PAGE 2

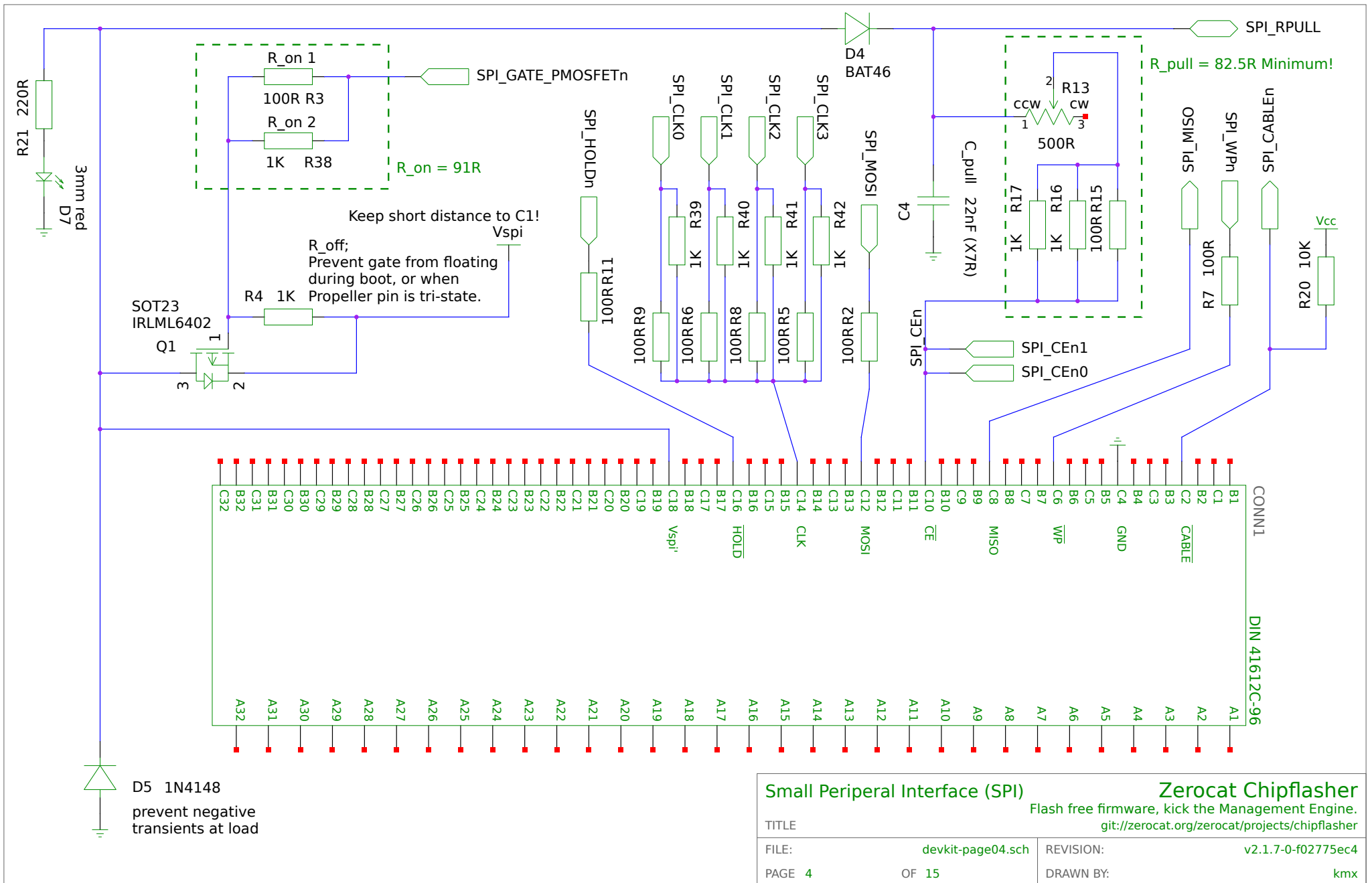
OF 15

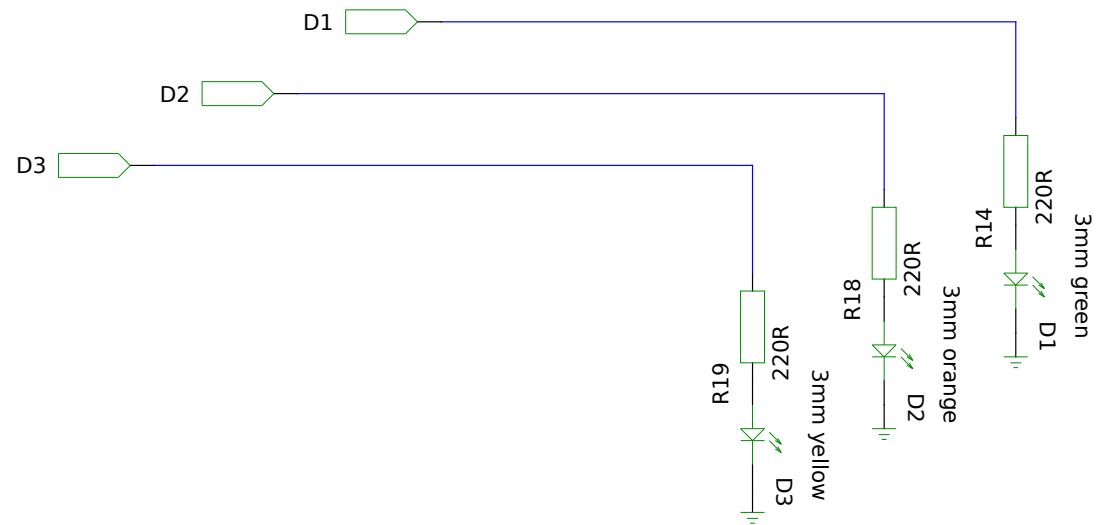
DRAWN BY: kmx



looses brightness in case Vspi drops

Power Switch and Voltage Regulators		ZeroCAT Chipflasher	
Flash free firmware, kick the Management Engine.		git://zerocat.org/zerocat/projects/chipflasher	
FILE:	devkit-page03.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 3	OF 15	DRAWN BY:	kmx





Software Status LEDs

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

TITLE

FILE:

devkit-page05.sch

REVISION:

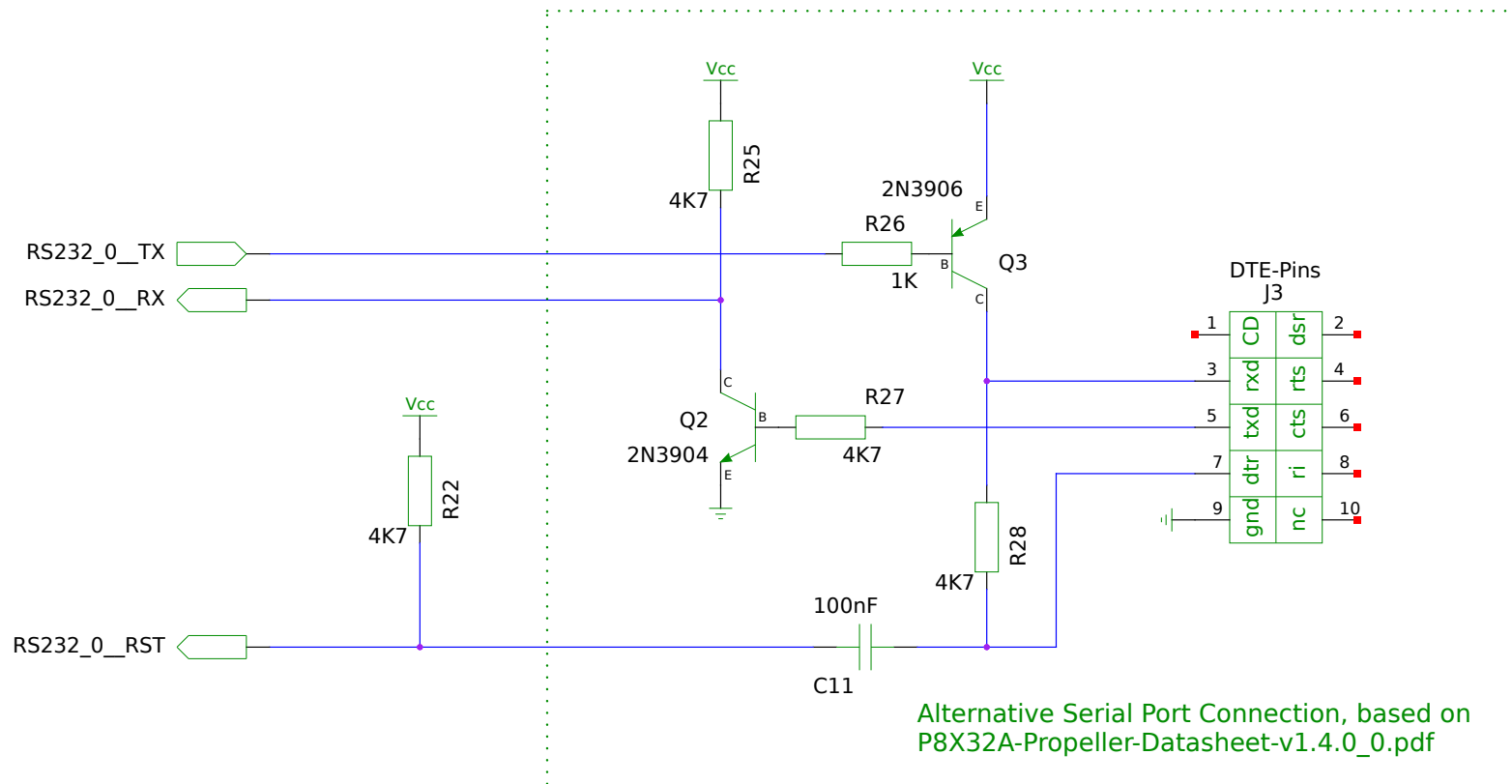
v2.1.7-0-f02775ec4

PAGE 5

OF 15

DRAWN BY:

kmx



RS232 Circuit #0

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

FILE: devkit-page06.sch

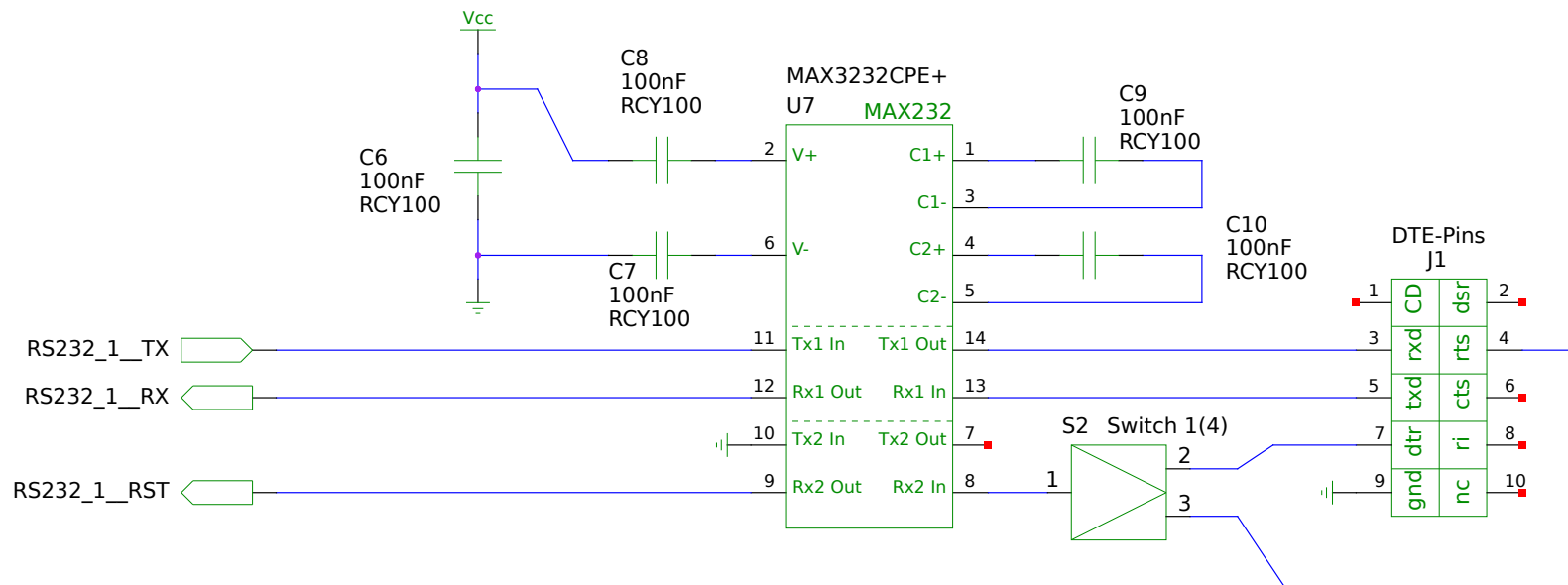
REVISION: v2.1.7-0-f02775ec4

PAGE 6

OF 15

DRAWN BY:

kmx



This circuit is generating RS232 voltages of about +/- 5.5VDC.

RS232 Circuit #1

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

TITLE

FILE: devkit-page07.sch

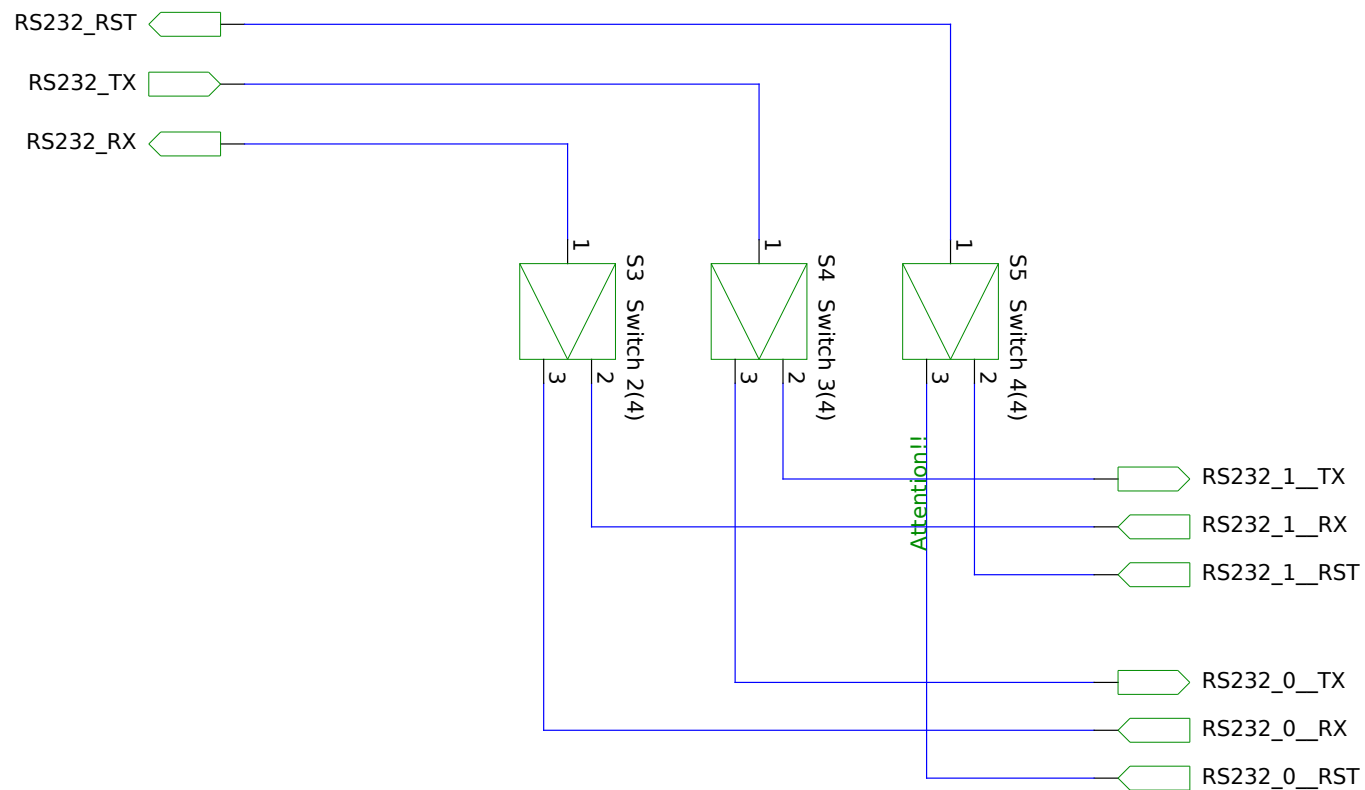
REVISION: v2.1.7-0-f02775ec4

PAGE 7

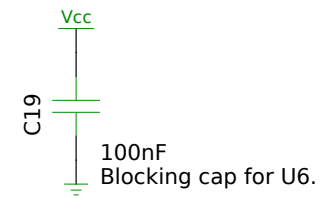
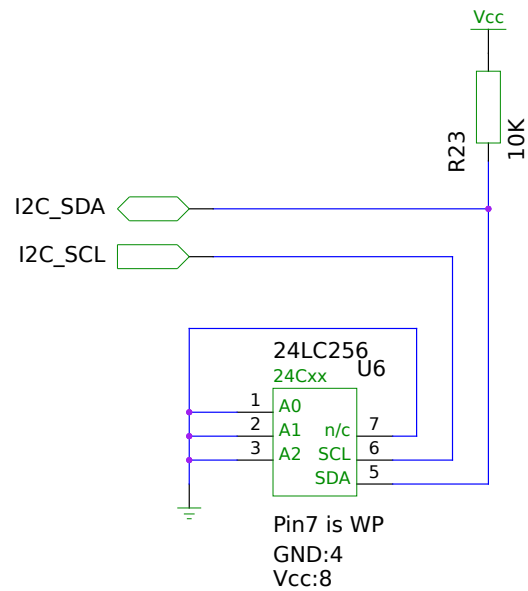
OF 15

DRAWN BY:

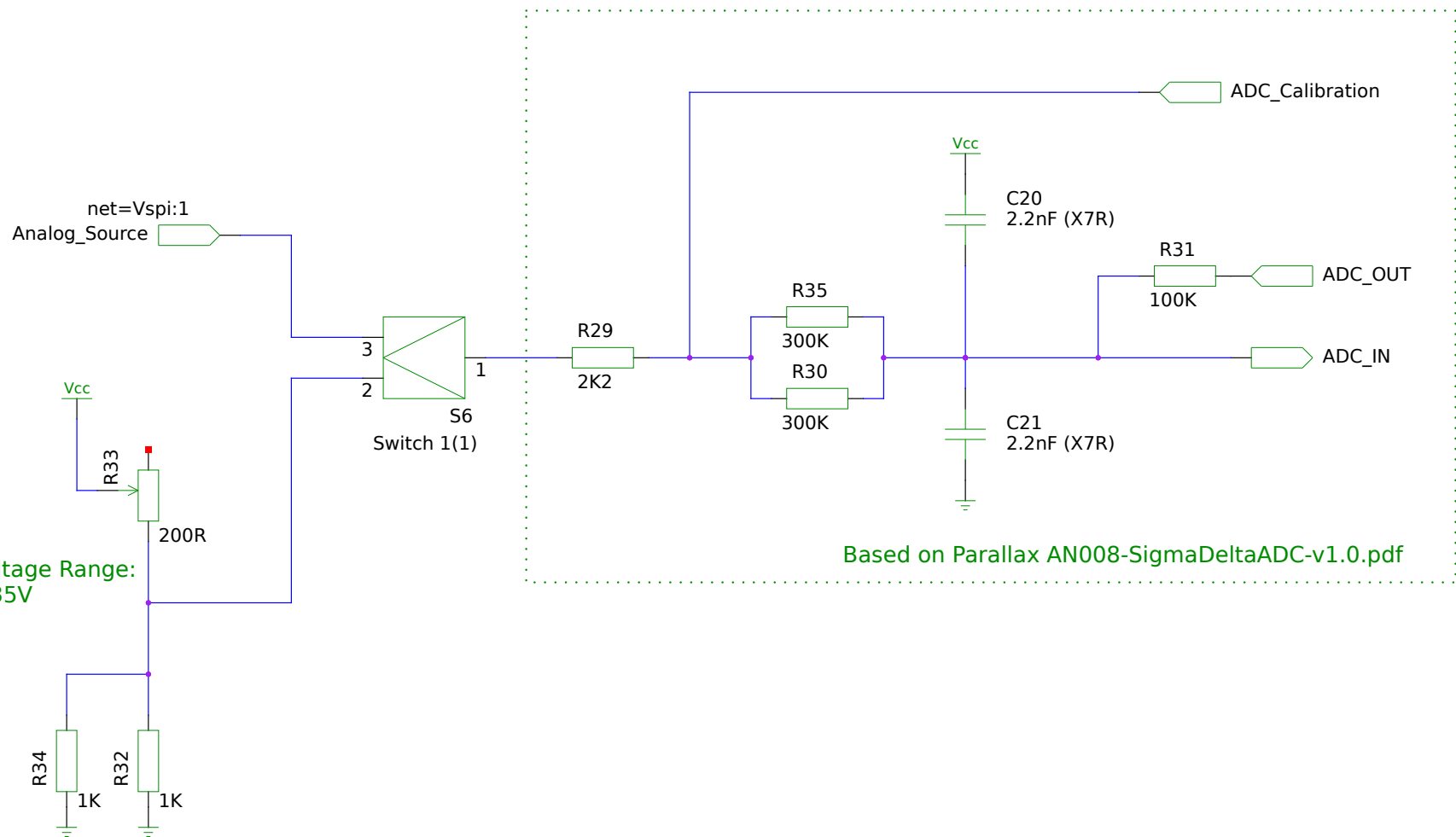
kmx



RS232 Circuit Selector		Zerocat Chipflasher	
		Flash free firmware, kick the Management Engine.	
TITLE		git://zerocat.org/zerocat/projects/chipflasher	
FILE:	devkit-page08.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 8	OF 15	DRAWN BY:	kmx



EEPROM of a non-free design, optional		ZeroCat Chipflasher	
Flash free firmware, kick the Management Engine.		git://zerocat.org/zerocat/projects/chipflasher	
TITLE			
FILE:	devkit-page09.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 9	OF 15	DRAWN BY:	kmx



Sigma-delta ADC Circuit

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

FILE: devkit-page10.sch

REVISION: v2.1.7-0-f02775ec4

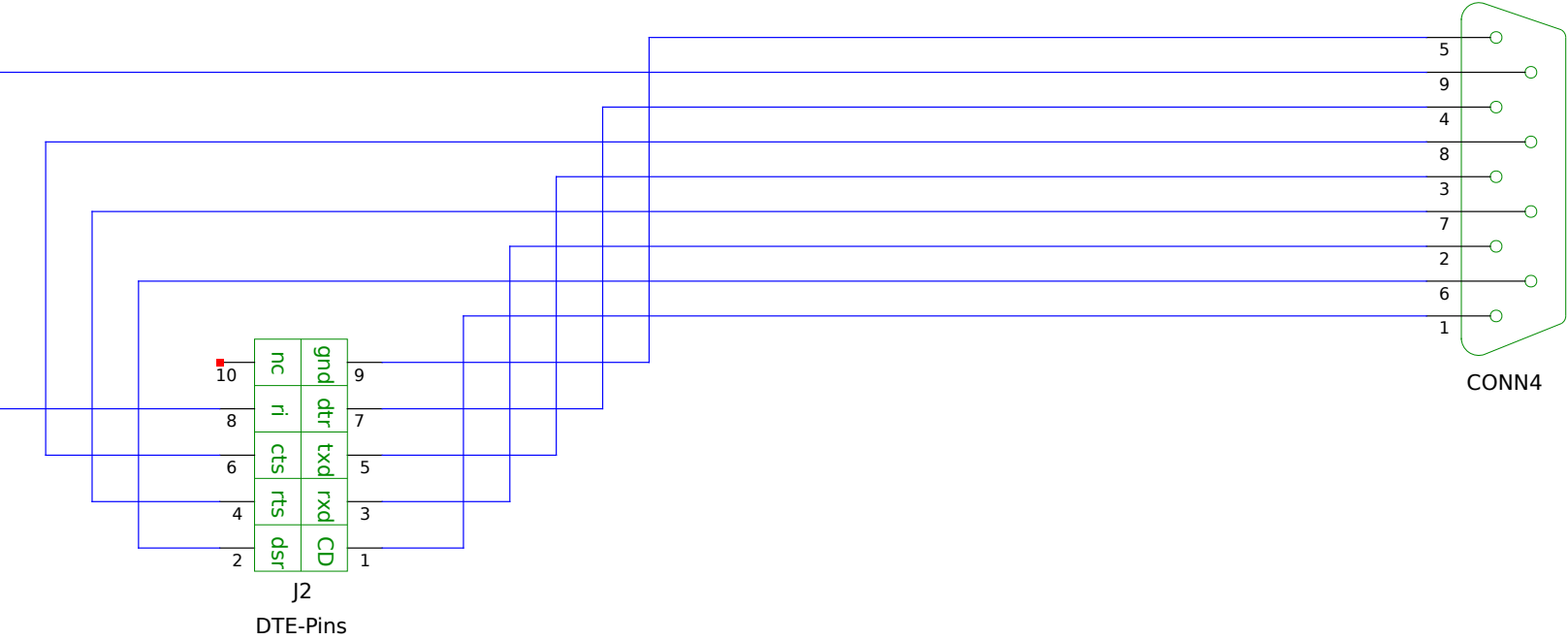
PAGE 10

OF 15

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kmx

Note:
DTE = Data Terminal Equipment (Laptop)
DCE = Data Communication Equipment (Propeller)
DTR = Data Terminal Ready (Laptop is ready to send/receive)

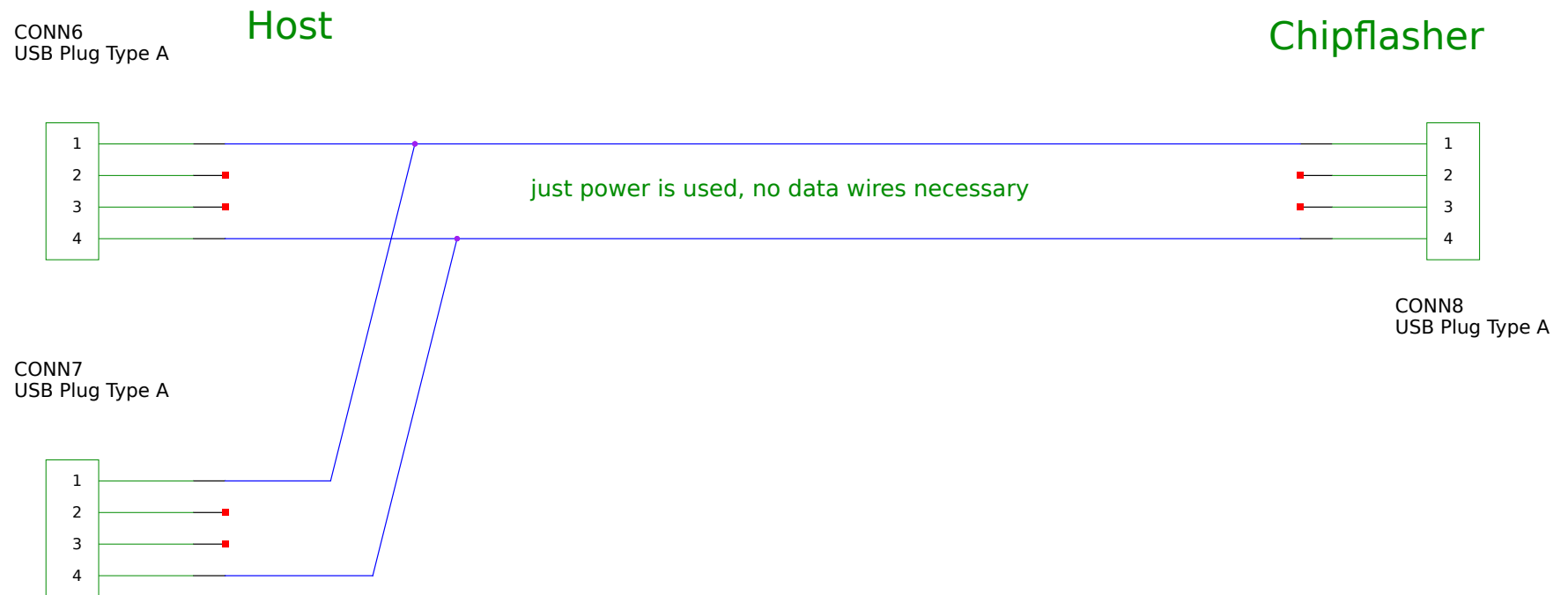


RS232 Cable

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

FILE:	devkit-page11.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 11	OF 15	DRAWN BY:	kmx



Y-USB Power Cable

Zerocat Chipflasher

Flash free firmware, kick the Management Engine.
[git://zerocat.org/zerocat/projects/chipflasher](https://zerocat.org/zerocat/projects/chipflasher)

FILE:

devkit-page12.sch

REVISION:

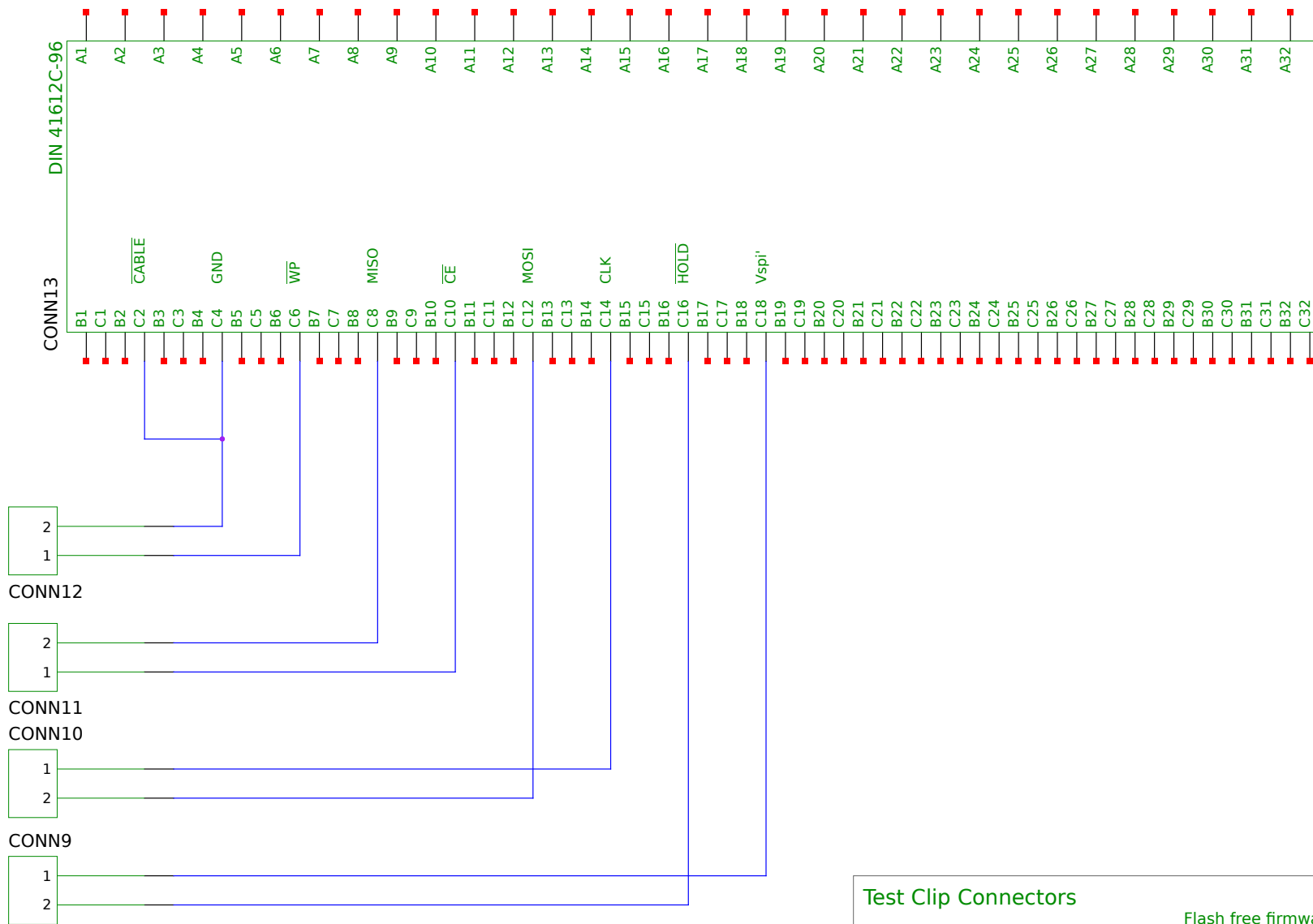
v2.1.7-0-f02775ec4

PAGE 12

OF 15

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kmx

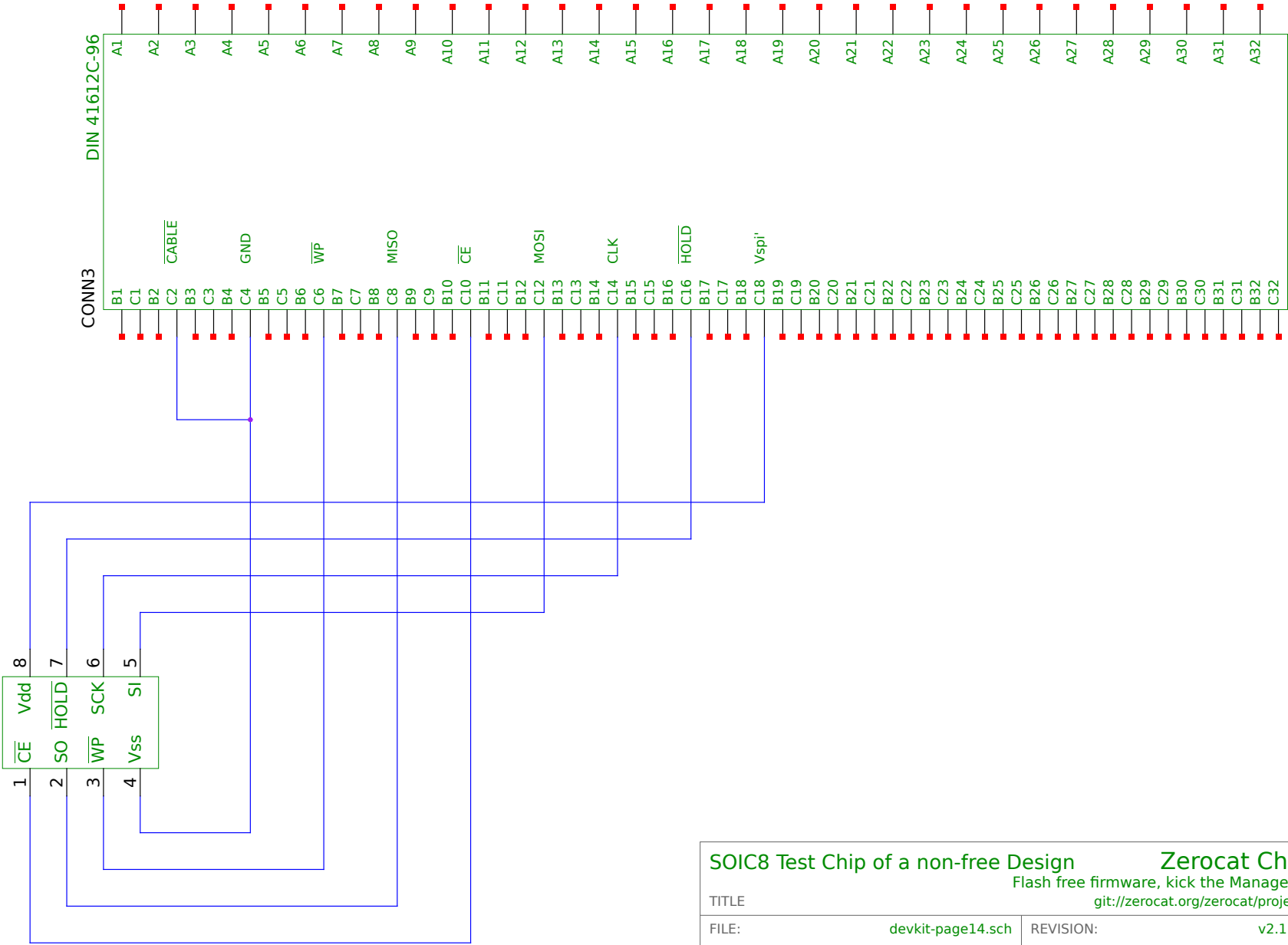


Test Clip Connectors		ZeroCAT Chipflasher	
TITLE		Flash free firmware, kick the Management Engine. git://zerocat.org/zerocat/projects/chipflasher	
FILE:	devkit-page13.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 13	OF 15	DRAWN BY:	kmx

SOIC8

Chips with same Pinout:
M95020W
MX25L1605D

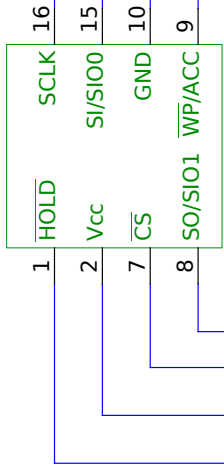
SST25VF016B U8



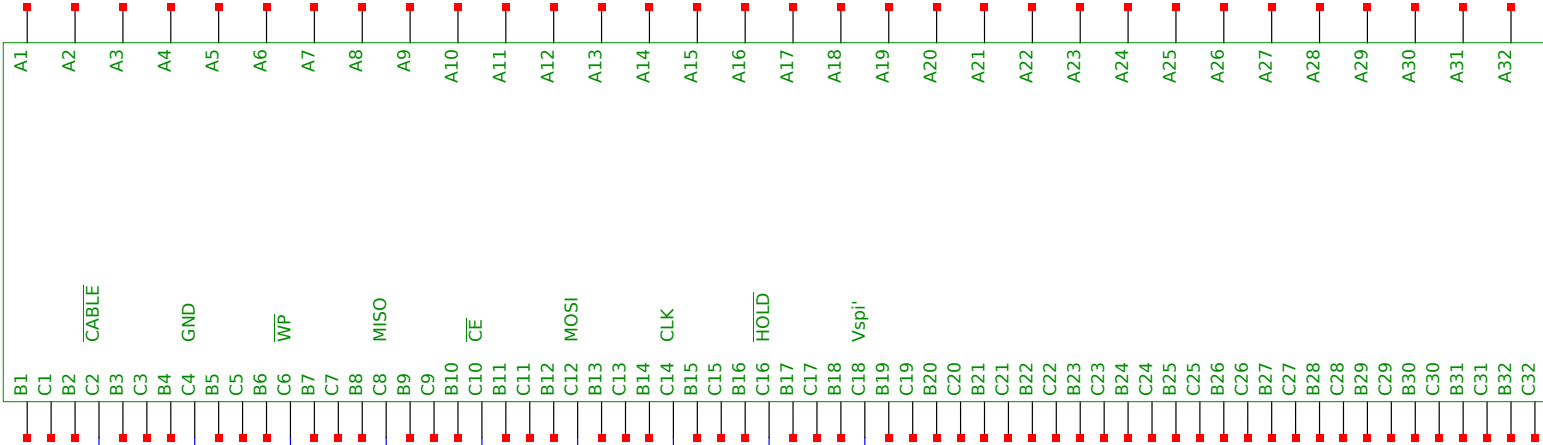
SOIC8 Test Chip of a non-free Design		Zerocat Chipflasher	
Flash free firmware, kick the Management Engine.		git://zerocat.org/zerocat/projects/chipflasher	
TITLE			
FILE:	devkit-page14.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 14	OF 15	DRAWN BY:	kmx

SOIC16

MX25L6405D U10



CONN5 DIN 41612C-96



SOIC16 Test Chip of a non-free Design		ZeroCAT Chipflasher	
Flash free firmware, kick the Management Engine.		git://zerocat.org/zerocat/projects/chipflasher	
TITLE			
FILE:	devkit-page15.sch	REVISION:	v2.1.7-0-f02775ec4
PAGE 15	OF 15	DRAWN BY:	kmx