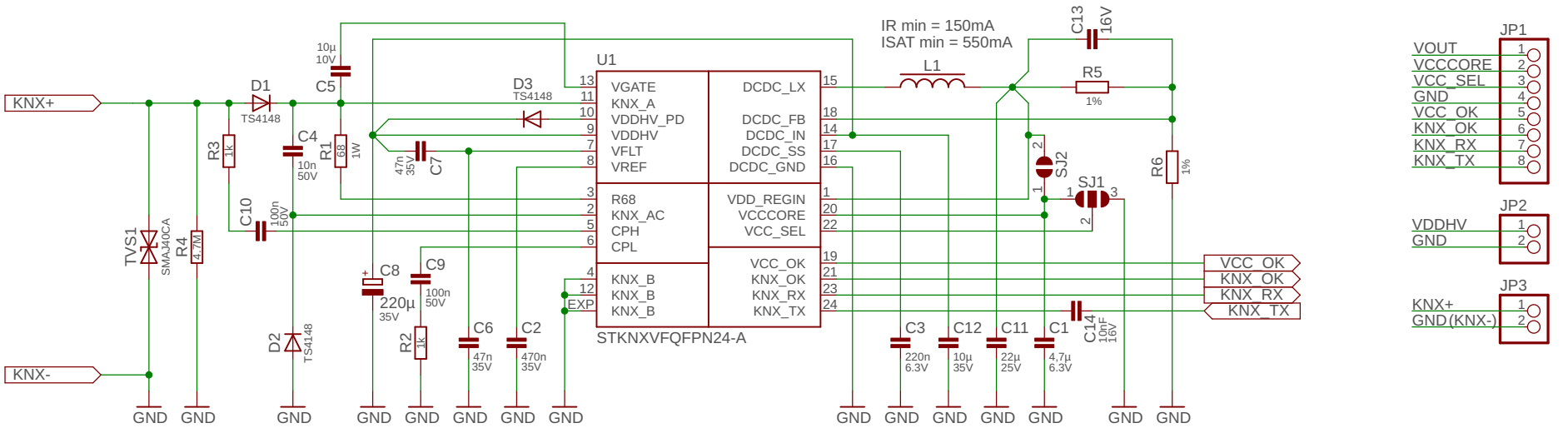

Impedance modulator (30mA max.)

Fan in	C5	C8
30mA	10µF	220µF
20mA	22µF	100µF
10mA	47µF	100µF

C5: X5R
C8: ALU

1-12V adjustable Buck converter (150mA max.)

Vout = 1 V * (1 + R5 / R6)
[R5 < 100k, R6 typ. 10k]

C13 = 1 / (2pi * R5 * 28kHz)

Vout	L1	R5	R6	C13
1.0V	47µH	0R	--	--
3.3V	33µH	30k	13k	180pF
5.0V	30µH	40.2k	10k	150pF
7.5V*	27µH	130k	20k	47pF
12V	22µH	110k	10k	51pF

(*) 7.5V is the minimum voltage for connection to VDD_REGIN

Soft-start time TSS:
TSS = 1V * C3 / 2.5µA

3.3 V / 5 V linear regulator (20mA max.)

VccVore defines the µC interface logic level
Set SJ1 accordingly.

SJ2	
open*	Lin.-Reg. on
short	Lin.-Reg. off

SJ1	
1-2	5V
2-3	3.3V

STKNX Breakout Board

TITLE: stknx_breakout

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