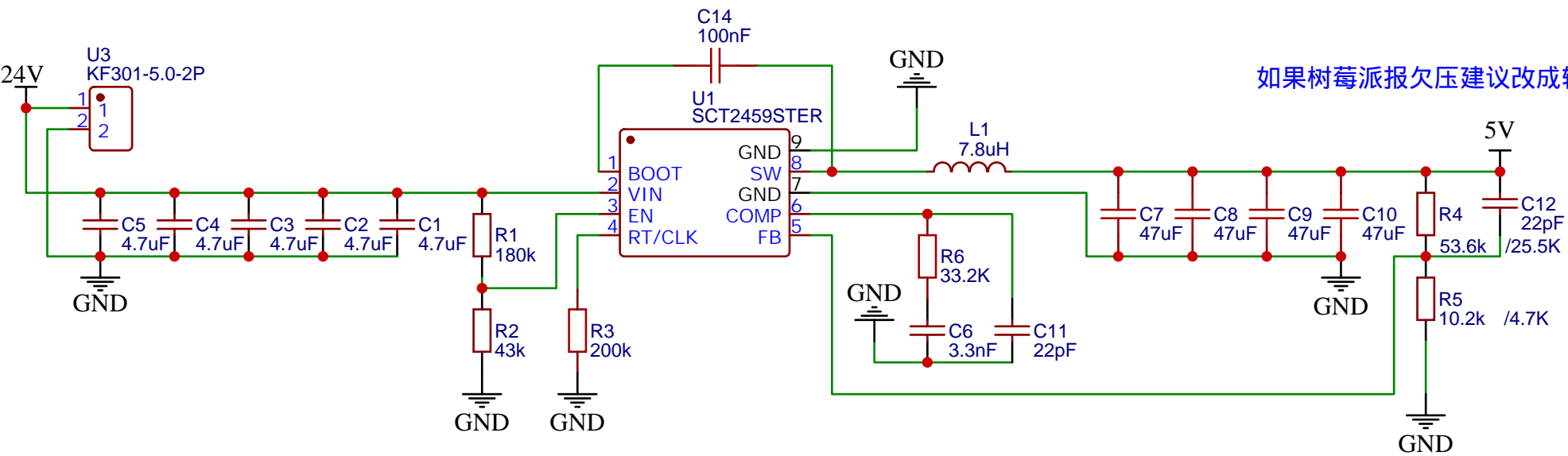**Output Voltage**

The output voltage is set by an external resistor divider R5 and R6 in typical application schematic. Recommended R6 resistance is 10.2KΩ. Use equation 5 to calculate R5.

$$R_5 = \left(\frac{V_{OUT}}{V_{REF}} - 1\right) * R_6 \tag{5}$$

where:

- V_{REF} is the feedback reference voltage, typical 0.8V

24V

U3
KF301-5.0-2P

C14
100nF

GND

U1
SCT2459STER

L1
7.8uH

5V

5.1v

10.2K	53.6K	5V
4.7K	25.5KK	5.14V
	3b	5.14V

BOOT — SW
VIN — GND
EN — COMP
RT/CLK — FB
GND

C5 4.7uF C4 4.7uF C3 4.7uF C2 4.7uF C1 4.7uF

R1 180k

R2 43k   R3 200k

GND   GND

GND

R6 33.2K

C6 3.3nF   C11 22pF

GND

C7 47uF C8 47uF C9 47uF C10 47uF

R4 53.6k /25.5K

C12 22pF

R5 10.2k /4.7K

GND

GND

TITLE:
Sheet_1

REV: 1.2

Company:

Sheet: 1/1

Date: 2022-02-01 Drawn By: Ethereal