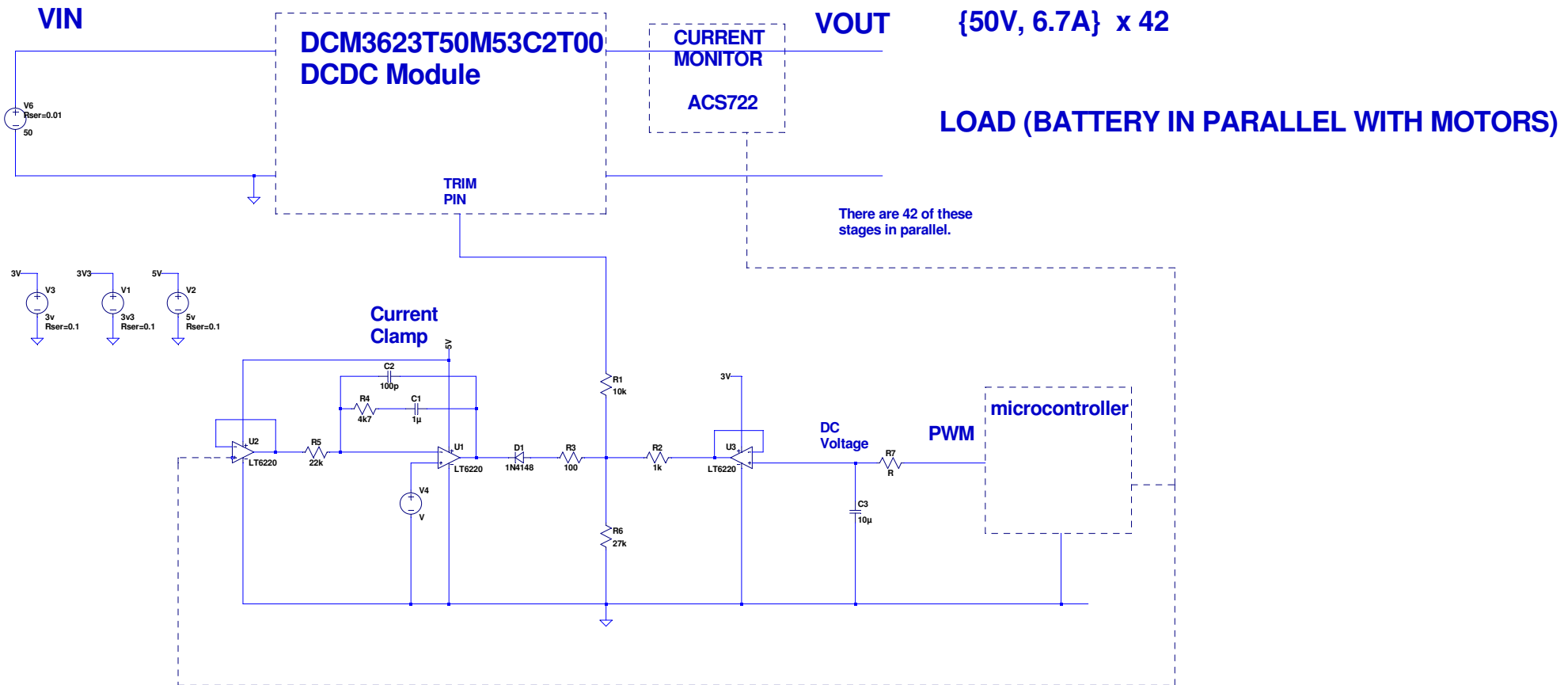


Hacking a DCM3623T50M53C2T00 to make it behave like a DCM3623T50M53C2T70.



Current clamp: clamps iout at 6.7A so that none of the paralleled DCM3623T50M53C2T00 modules hog too much current.

Micrcontroller repeatedly reads the output current, then applies voltage to TRIM pin in order to keep voltage at 50V no matter what is the output current. (ie, overriding the DCM3623T50M53C2T00's internal action of decreasing Vout as lout rises.)

The DCM3623T50M53C2T70 does not decrease Vout as lout increases, but we only have stocks of DCM3623T50M53C2T00....so must hack it to behave like the DCM3623T50M53C2T70)