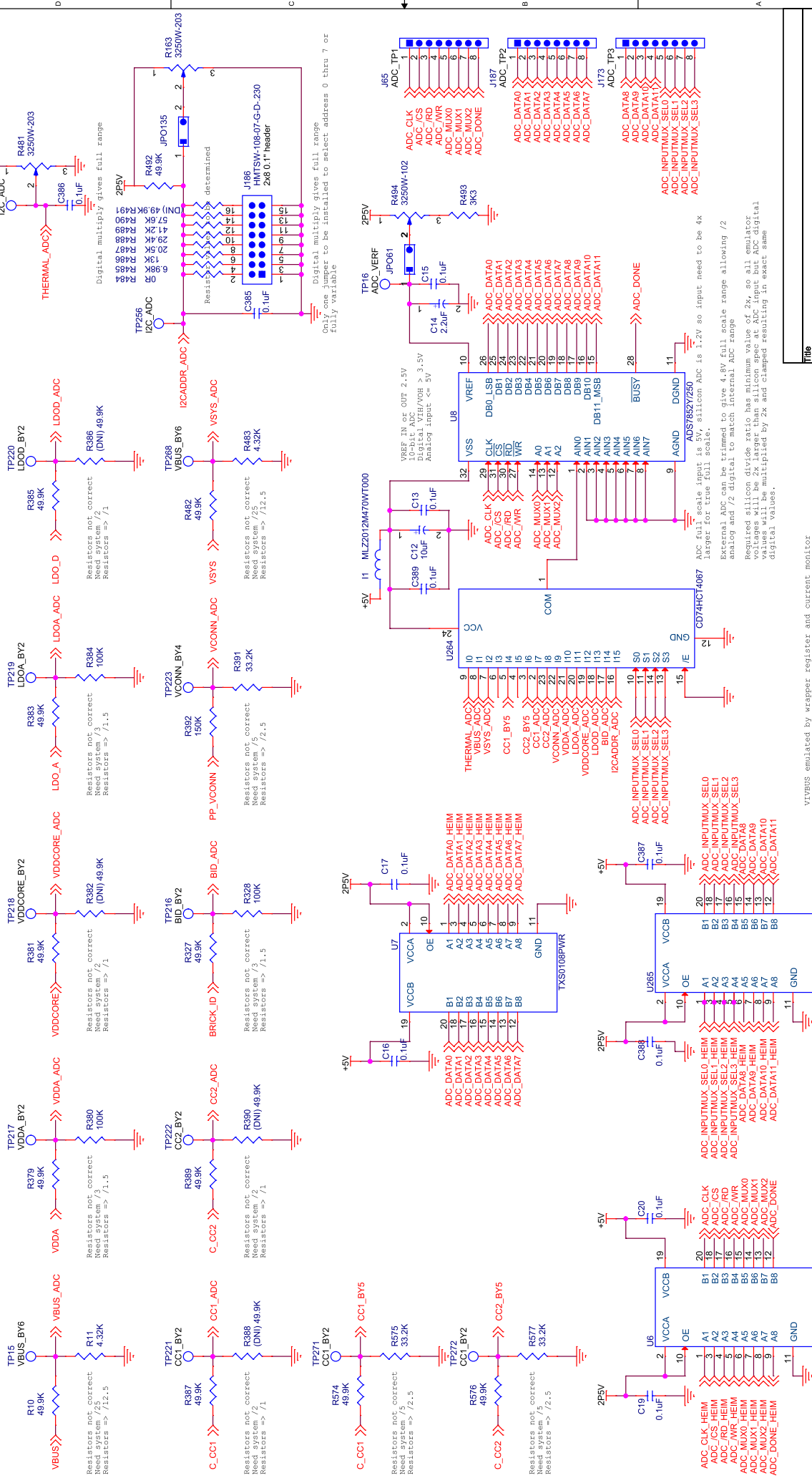ADC BLOCK
TESTLOOP BROWN