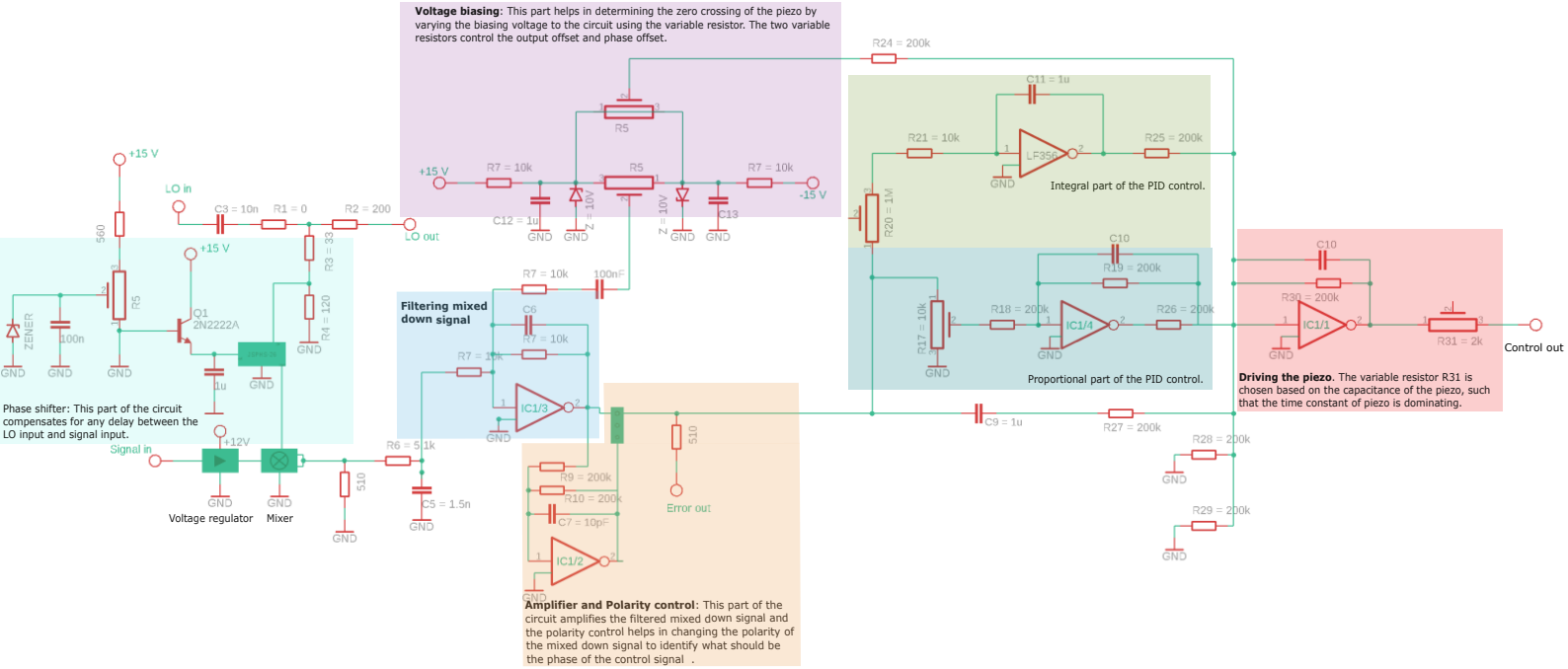Circuit board for PDH locking mechanism