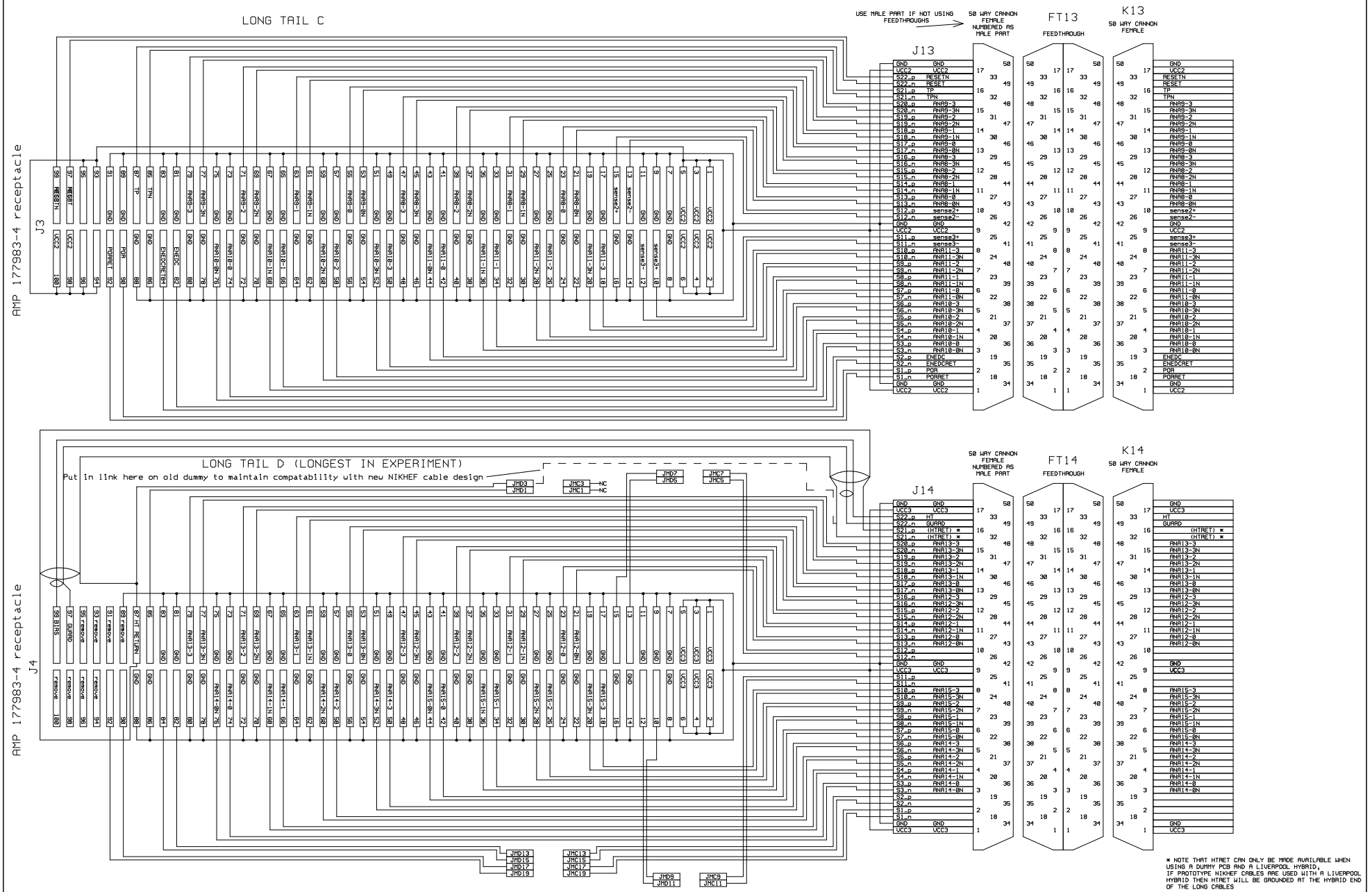DUMMY TAIL PCBS 2 of 2 REV3.1 Tony smith 17/04/05