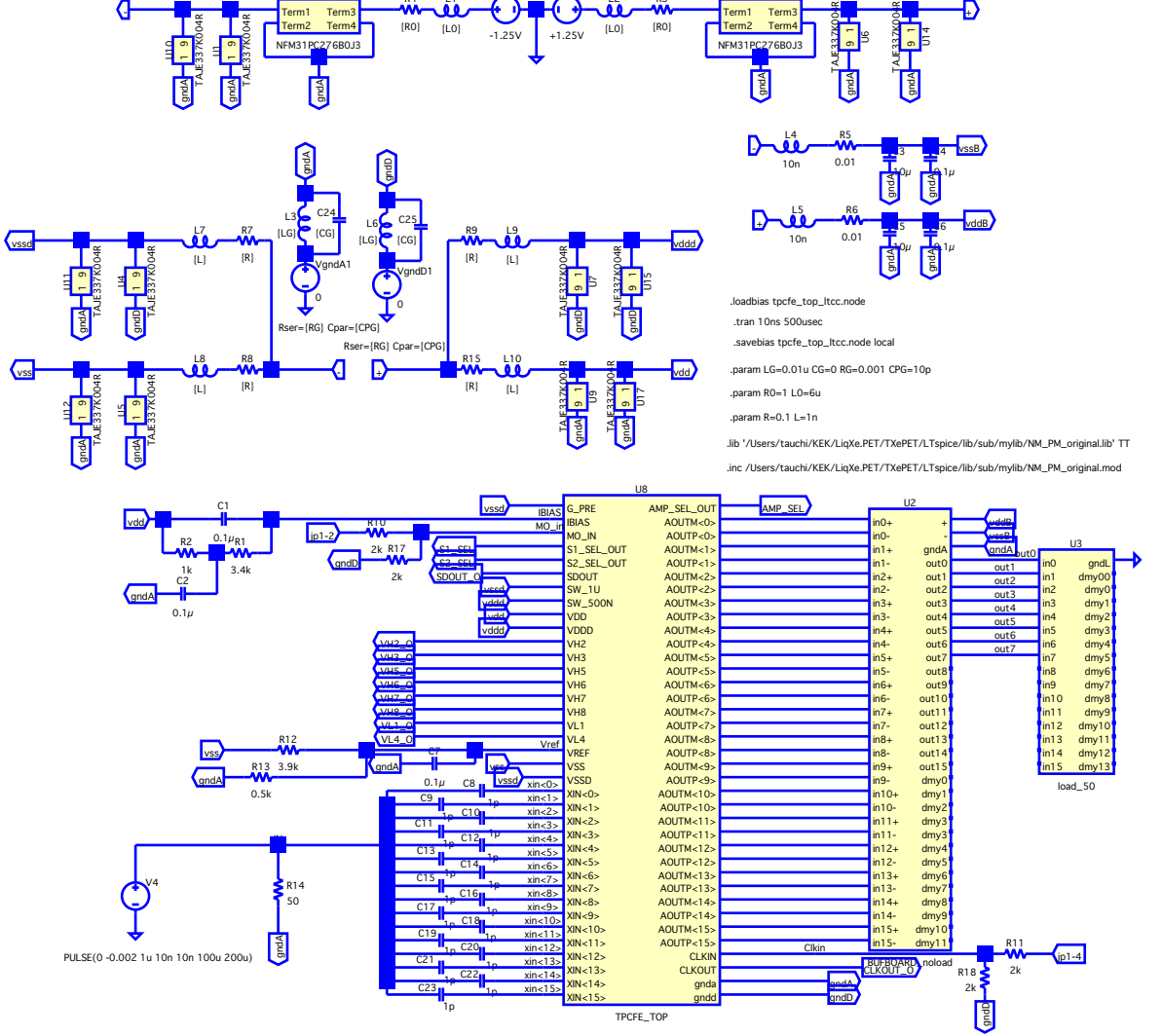
U13
Term1 Term3
Term2 Term4
NFM31PC276B0J3
R4 {R0}
L1 {L0}
VSS1 -1.25V
VDD1 +1.25V
L2 {L0}
R3 {R0}
U16
U10 U11 U6 U14
TAJE337K004R
gndA
L4 10n
R5 0.01
L5 10n
R6 0.01
C3 10µ
C4 0.1µ
vssB
vddB
L3 {LG}
C24 {CG}
L6 {LG}
C25 {CG}
VgndA1
VgndD1
Rser={RG} Cpar={CPG}
gndD
vssc
vss
vddd
vdd
L7 {L}
R7 {R}
L8 {L}
R8 {R}
R9 {R}
L9 {L}
R15 {R}
L10 {L}
U11 U4 U12 U5 U7 U15 U9 U17
.loadbias tpcfe_top_ltcc.node
.tran 10ns 500usec
.savebias tpcfe_top_ltcc.node local
.param LG=0.01u CG=0 RG=0.001 CPG=10p
.param R0=1 L0=6u
.param R=0.1 L=1n
.lib '/Users/tauchi/KEK/LiqXe.PET/TXePET/LTspice/lib/sub/mylib/NM_PM_original.lib' TT
.inc /Users/tauchi/KEK/LiqXe.PET/TXePET/LTspice/lib/sub/mylib/NM_PM_original.mod
U8
G_PRE
IBIAS
MO_IN
S1_SEL_OUT
S2_SEL_OUT
SDOUT
SW_1U
SW_500N
VDD
VDDD
VH2
VH3
VH5
VH6
VH7
VH8
VL1
VL4
VREF
VSS
VSSD
XIN<0>
XIN<1>
XIN<2>
XIN<3>
XIN<4>
XIN<5>
XIN<6>
XIN<7>
XIN<8>
XIN<9>
XIN<10>
XIN<11>
XIN<12>
XIN<13>
XIN<14>
XIN<15>
AMP_SEL_OUT
AOUTM<0>
AOUTP<0>
AOUTM<1>
AOUTP<1>
AOUTM<2>
AOUTP<2>
AOUTM<3>
AOUTP<3>
AOUTM<4>
AOUTP<4>
AOUTM<5>
AOUTP<5>
AOUTM<6>
AOUTP<6>
AOUTM<7>
AOUTP<7>
AOUTM<8>
AOUTP<8>
AOUTM<9>
AOUTP<9>
AOUTM<10>
AOUTP<10>
AOUTM<11>
AOUTP<11>
AOUTM<12>
AOUTP<12>
AOUTM<13>
AOUTP<13>
AOUTM<14>
AOUTP<14>
AOUTM<15>
AOUTP<15>
CLKIN
CLKOUT
gnda
gndd
TPCFE_TOP
U2
U3
load_50
AMP_SEL
Clkin
BUFBOARD_CLKOUT_O
noload
R1 3.4k
R2 1k
R3 {R0}
R4 {R0}
R10 2k
R11 2k
R12 3.9k
R13 0.5k
R14 50
R17 2k
R18 2k
C1 0.1µ
C2 0.1µ
C7 0.1µ
C8 1p
C9 1p
C10 1p
C11 1p
C12 1p
C13 1p
C14 1p
C15 1p
C16 1p
C17 1p
C18 1p
C19 1p
C20 1p
C21 1p
C22 1p
C23 1p
V4
PULSE(0 -0.002 1u 10n 10n 100u 200u)
jp1-2
jp1-4