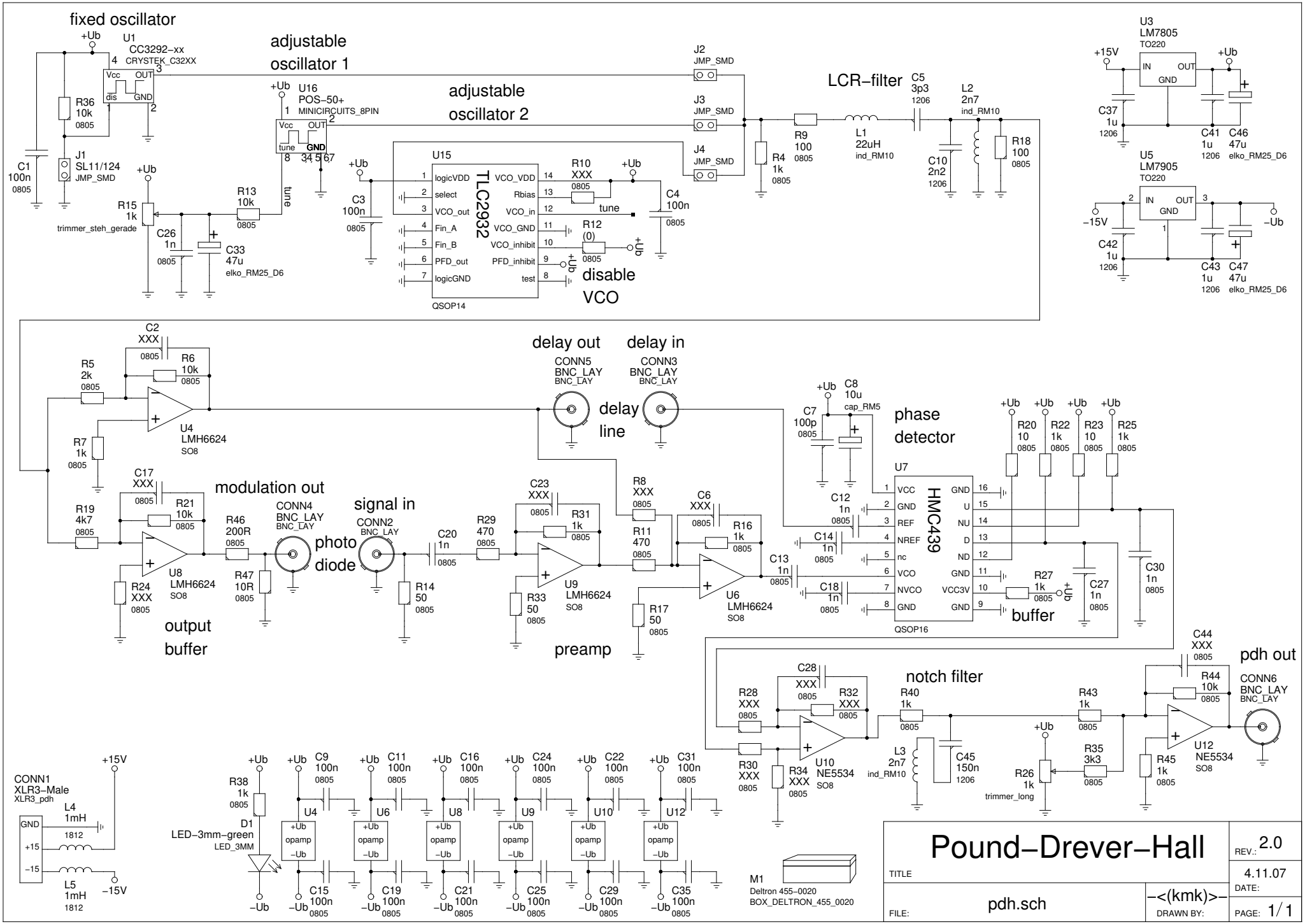
fixed oscillator
adjustable oscillator 1
adjustable oscillator 2
LCR−filter
U1 CC3292−xx CRYSTEK_C32XX
U16 POS−50+ MINICIRCUITS_8PIN
U15 TLC2932 QSOP14
J1 SL11/124 JMP_SMD
J2 JMP_SMD
J3 JMP_SMD
J4 JMP_SMD
R36 10k 0805
R15 1k trimmer_steh_gerade
R13 10k 0805
C26 1n 0805
C33 47u elko_RM25_D6
C1 100n 0805
C3 100n 0805
C4 100n 0805
R10 XXX 0805
R12 (0) 0805
R4 1k 0805
R9 100 0805
L1 22uH ind_RM10
C5 3p3 1206
C10 2n2 1206
L2 2n7 ind_RM10
R18 100 0805
tune
disable VCO
U3 LM7805 TO220
U5 LM7905 TO220
C37 1u 1206
C41 1u 1206
C46 47u elko_RM25_D6
C42 1u 1206
C43 1u 1206
C47 47u elko_RM25_D6
C2 XXX 0805
R5 2k 0805
R6 10k 0805
U4 LMH6624 SO8
R7 1k 0805
delay out
delay in
CONN5 BNC_LAY
CONN3 BNC_LAY
delay line
C8 10u cap_RM5
C7 100p 0805
phase detector
U7 HMC439 QSOP16
R20 10 0805
R22 1k 0805
R23 10 0805
R25 1k 0805
C12 1n 0805
C14 1n 0805
C13 1n 0805
C18 1n 0805
R27 1k 0805
C27 1n 0805
C30 1n 0805
buffer
C17 XXX 0805
R21 10k 0805
R19 4k7 0805
R24 XXX 0805
U8 LMH6624 SO8
output buffer
modulation out
R46 200R 0805
R47 10R 0805
CONN4 BNC_LAY
signal in
CONN2 BNC_LAY
photo diode
C20 1n 0805
R14 50 0805
C23 XXX 0805
R31 1k 0805
R29 470 0805
R33 50 0805
U9 LMH6624 SO8
preamp
R8 XXX 0805
R11 470 0805
R17 50 0805
C6 XXX 0805
R16 1k 0805
U6 LMH6624 SO8
notch filter
C28 XXX 0805
R28 XXX 0805
R32 XXX 0805
R30 XXX 0805
R34 XXX 0805
U10 NE5534 SO8
R40 1k 0805
L3 2n7 ind_RM10
C45 150n 1206
R43 1k 0805
R26 1k trimmer_long
R35 3k3 0805
C44 XXX 0805
R44 10k 0805
R45 1k 0805
U12 NE5534 SO8
pdh out
CONN6 BNC_LAY
CONN1 XLR3−Male XLR3_pdh
L4 1mH 1812
L5 1mH 1812
+15V
−15V
R38 1k 0805
D1 LED−3mm−green LED_3MM
C9 100n 0805
C11 100n 0805
C16 100n 0805
C24 100n 0805
C22 100n 0805
C31 100n 0805
C15 100n 0805
C19 100n 0805
C21 100n 0805
C25 100n 0805
C29 100n 0805
C35 100n 0805
opamp
M1 Deltron 455−0020 BOX_DELTRON_455_0020
Pound−Drever−Hall
TITLE
REV.: 2.0
4.11.07
DATE:
pdh.sch
FILE:
−<(kmk)>−
DRAWN BY:
PAGE: 1/1