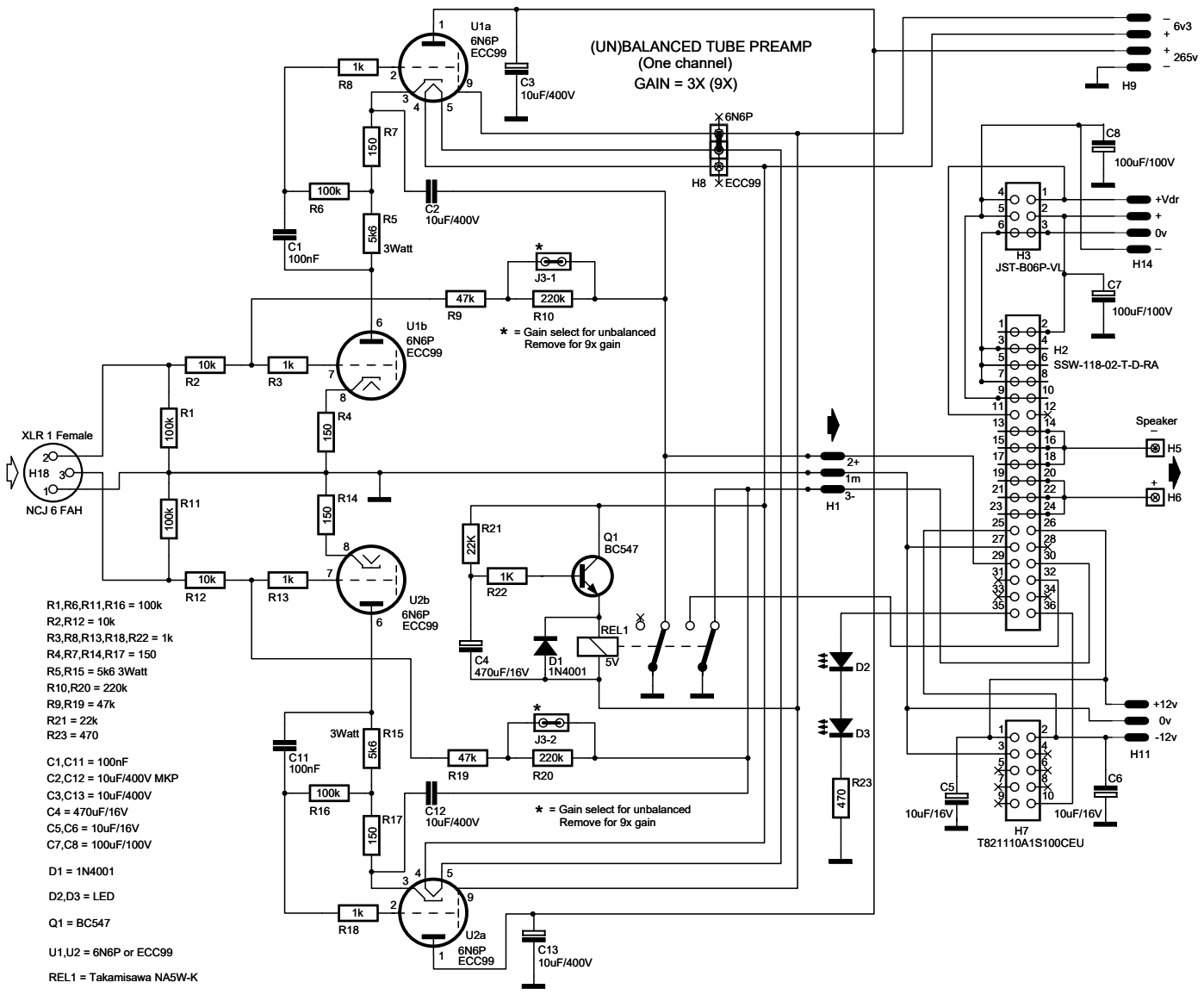
(UN)BALANCED TUBE PREAMP
(One channel)
GAIN = 3X (9X)
U1a
6N6P
ECC99
U1b
6N6P
ECC99
U2a
6N6P
ECC99
U2b
6N6P
ECC99
R1 100k
R2 10k
R3 1k
R4 150
R5 5k6 3Watt
R6 100k
R7 150
R8 1k
R9 47k
R10 220k
R11 100k
R12 10k
R13 1k
R14 150
R15 5k6 3Watt
R16 100k
R17 150
R18 1k
R19 47k
R20 220k
R21 22K
R22 1K
R23 470
C1 100nF
C2 10uF/400V
C3 10uF/400V
C4 470uF/16V
C5 10uF/16V
C6 10uF/16V
C7 100uF/100V
C8 100uF/100V
C11 100nF
C12 10uF/400V
C13 10uF/400V
J3-1
J3-2
* = Gain select for unbalanced
Remove for 9x gain
Q1 BC547
D1 1N4001
D2
D3
REL1 5V
H1 2+ 1m 3-
H2 SSW-118-02-T-D-RA
H3 JST-B06P-VL
H5 Speaker −
H6 +
H7 T821110A1S100CEU
H8 6N6P ECC99
H9 − 6v3 + + 265v −
H11 +12v 0v -12v
H14 +Vdr + 0v −
H18 XLR 1 Female
NCJ 6 FAH
R1,R6,R11,R16 = 100k
R2,R12 = 10k
R3,R8,R13,R18,R22 = 1k
R4,R7,R14,R17 = 150
R5,R15 = 5k6 3Watt
R10,R20 = 220k
R9,R19 = 47k
R21 = 22k
R23 = 470
C1,C11 = 100nF
C2,C12 = 10uF/400V MKP
C3,C13 = 10uF/400V
C4 = 470uF/16V
C5,C6 = 10uF/16V
C7,C8 = 100uF/100V
D1 = 1N4001
D2,D3 = LED
Q1 = BC547
U1,U2 = 6N6P or ECC99
REL1 = Takamisawa NA5W-K