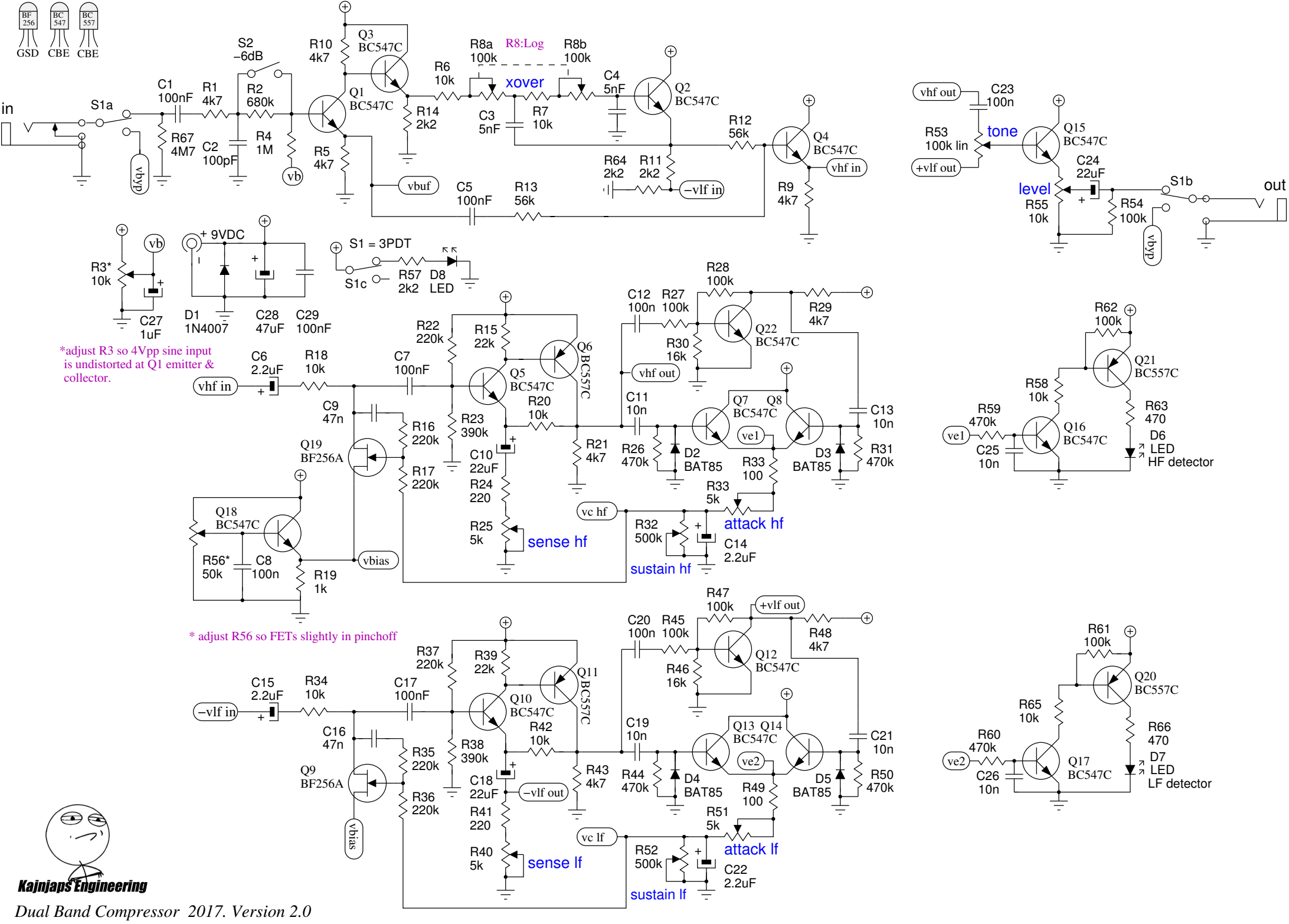
BF 256
GSD
BC 547
CBE
BC 557
CBE
in
S1a
C1 100nF
R1 4k7
S2 –6dB
R2 680k
R67 4M7
C2 100pF
R4 1M
vbxp
vb
R10 4k7
Q3 BC547C
Q1 BC547C
R5 4k7
R6 10k
R8a 100k
R8:Log
R8b 100k
xover
C3 5nF
R7 10k
C4 5nF
Q2 BC547C
R14 2k2
vbuf
C5 100nF
R13 56k
R64 2k2
R11 2k2
–vlf in
R12 56k
Q4 BC547C
vhf in
R9 4k7
vhf out
C23 100n
R53 100k lin
tone
+vlf out
Q15 BC547C
C24 22uF
level
R55 10k
R54 100k
S1b
out
vbyp
R3* 10k
vb
C27 1uF
+ 9VDC
D1 1N4007
C28 47uF
C29 100nF
S1 = 3PDT
S1c
R57 2k2
D8 LED
*adjust R3 so 4Vpp sine input is undistorted at Q1 emitter & collector.
R22 220k
R15 22k
Q6 BC557C
Q5 BC547C
R20 10k
C6 2.2uF
R18 10k
C7 100nF
vhf in
C9 47n
R16 220k
R17 220k
R23 390k
C10 22uF
R24 220
R25 5k
sense hf
Q19 BF256A
Q18 BC547C
R56* 50k
C8 100n
R19 1k
vbias
R21 4k7
vc hf
R32 500k
attack hf
C14 2.2uF
sustain hf
C12 100n
R27 100k
R28 100k
R29 4k7
Q22 BC547C
R30 16k
vhf out
C11 10n
Q7 Q8 BC547C
ve1
R26 470k
D2 BAT85
R33 100
D3 BAT85
C13 10n
R31 470k
R33 5k
R62 100k
Q21 BC557C
R58 10k
R59 470k
ve1
C25 10n
Q16 BC547C
R63 470
D6 LED HF detector
* adjust R56 so FETs slightly in pinchoff
R37 220k
R39 22k
Q11 BC557C
Q10 BC547C
R42 10k
C15 2.2uF
R34 10k
C17 100nF
–vlf in
C16 47n
R35 220k
R36 220k
R38 390k
C18 22uF
–vlf out
R41 220
R40 5k
sense lf
Q9 BF256A
vbias
R43 4k7
vc lf
R52 500k
attack lf
C22 2.2uF
sustain lf
C20 100n
R45 100k
R47 100k
+vlf out
R48 4k7
Q12 BC547C
R46 16k
C19 10n
Q13 Q14 BC547C
ve2
R44 470k
D4 BAT85
R49 100
D5 BAT85
C21 10n
R50 470k
R51 5k
R61 100k
Q20 BC557C
R65 10k
R60 470k
ve2
C26 10n
Q17 BC547C
R66 470
D7 LED LF detector
Kajnjaps Engineering
Dual Band Compressor 2017. Version 2.0