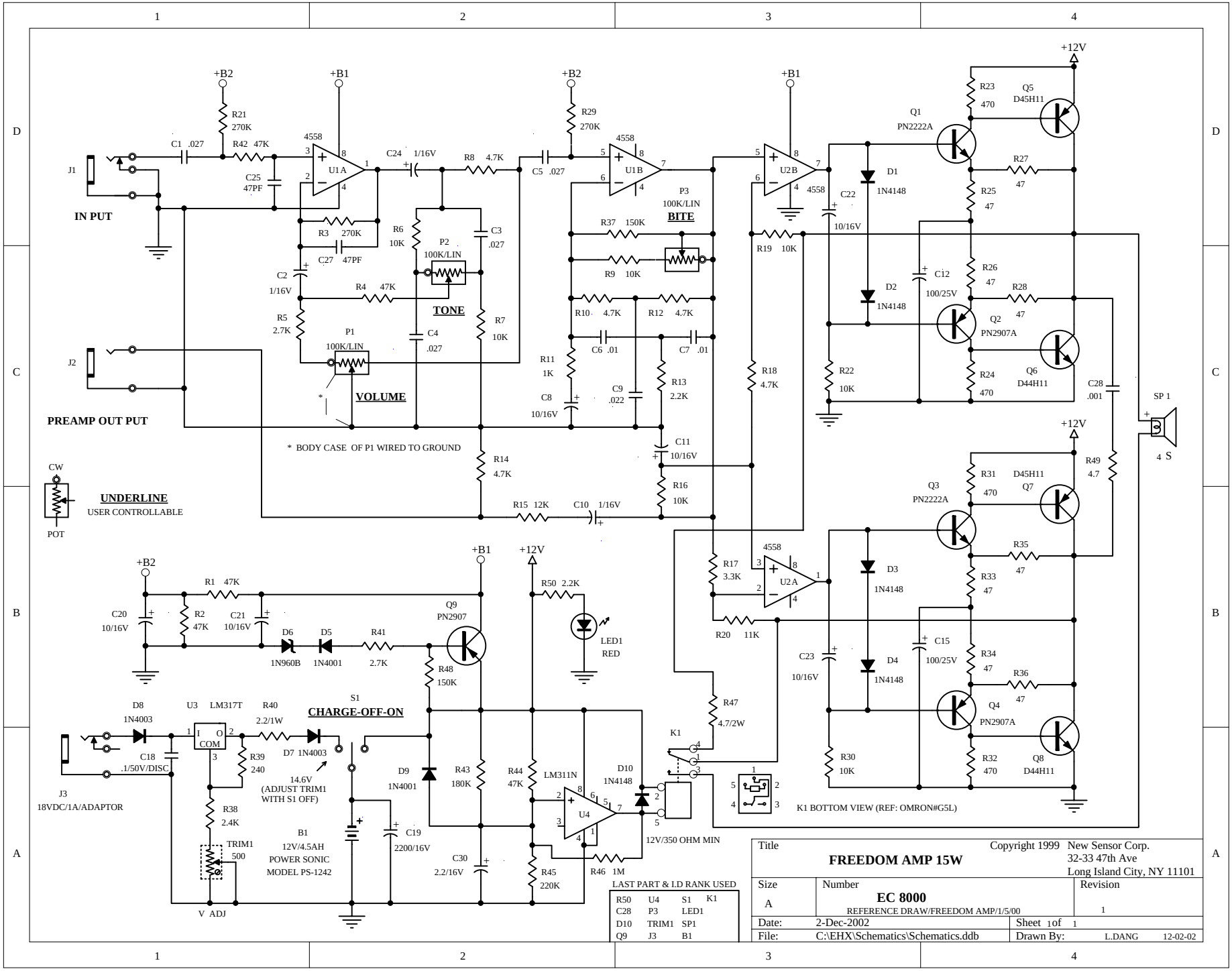
+B2
+B1
+12V
R21 270K
C1 .027
R42 47K
C25 47PF
J1
IN PUT
4558
U1A
C24 1/16V
R8 4.7K
C5 .027
R29 270K
U1B
P3 100K/LIN
BITE
R37 150K
R9 10K
U2B
R19 10K
C22 10/16V
R3 270K
C27 47PF
R6 10K
P2 100K/LIN
C3 .027
C2 1/16V
R4 47K
TONE
R5 2.7K
R7 10K
P1 100K/LIN
C4 .027
VOLUME
J2
PREAMP OUT PUT
* BODY CASE OF P1 WIRED TO GROUND
R10 4.7K
R12 4.7K
C6 .01
C7 .01
R11 1K
C8 10/16V
C9 .022
R13 2.2K
R18 4.7K
R22 10K
C11 10/16V
R14 4.7K
R15 12K
C10 1/16V
R16 10K
CW
POT
UNDERLINE
USER CONTROLLABLE
Q1 PN2222A
Q5 D45H11
R23 470
D1 1N4148
R27 47
R25 47
C12 100/25V
D2 1N4148
R26 47
R28 47
Q2 PN2907A
Q6 D44H11
R24 470
C28 .001
SP 1
4 S
Q3 PN2222A
Q7 D45H11
R31 470
R49 4.7
R35 47
R33 47
D3 1N4148
R17 3.3K
U2A
R20 11K
C23 10/16V
C15 100/25V
D4 1N4148
R34 47
R36 47
Q4 PN2907A
Q8 D44H11
R32 470
R30 10K
K1 BOTTOM VIEW (REF: OMRON#G5L)
R47 4.7/2W
K1
R1 47K
C20 10/16V
R2 47K
C21 10/16V
D6 1N960B
D5 1N4001
R41 2.7K
Q9 PN2907
R48 150K
R50 2.2K
LED1 RED
S1
CHARGE-OFF-ON
D8 1N4003
U3 LM317T
R40 2.2/1W
D7 1N4003
C18 .1/50V/DISC
R39 240
14.6V (ADJUST TRIM1 WITH S1 OFF)
J3
18VDC/1A/ADAPTOR
R38 2.4K
TRIM1 500
V ADJ
B1
12V/4.5AH
POWER SONIC
MODEL PS-1242
D9 1N4001
R43 180K
C19 2200/16V
C30 2.2/16V
R44 47K
LM311N
U4
D10 1N4148
12V/350 OHM MIN
R45 220K
R46 1M
LAST PART & I.D RANK USED
R50 U4 S1 K1
C28 P3 LED1
D10 TRIM1 SP1
Q9 J3 B1
Title
FREEDOM AMP 15W
Copyright 1999 New Sensor Corp.
32-33 47th Ave
Long Island City, NY 11101
Size A
Number EC 8000
REFERENCE DRAW/FREEDOM AMP/1/5/00
Revision 1
Date: 2-Dec-2002
Sheet 1 of 1
File: C:\EHX\Schematics\Schematics.ddb
Drawn By: L.DANG 12-02-02