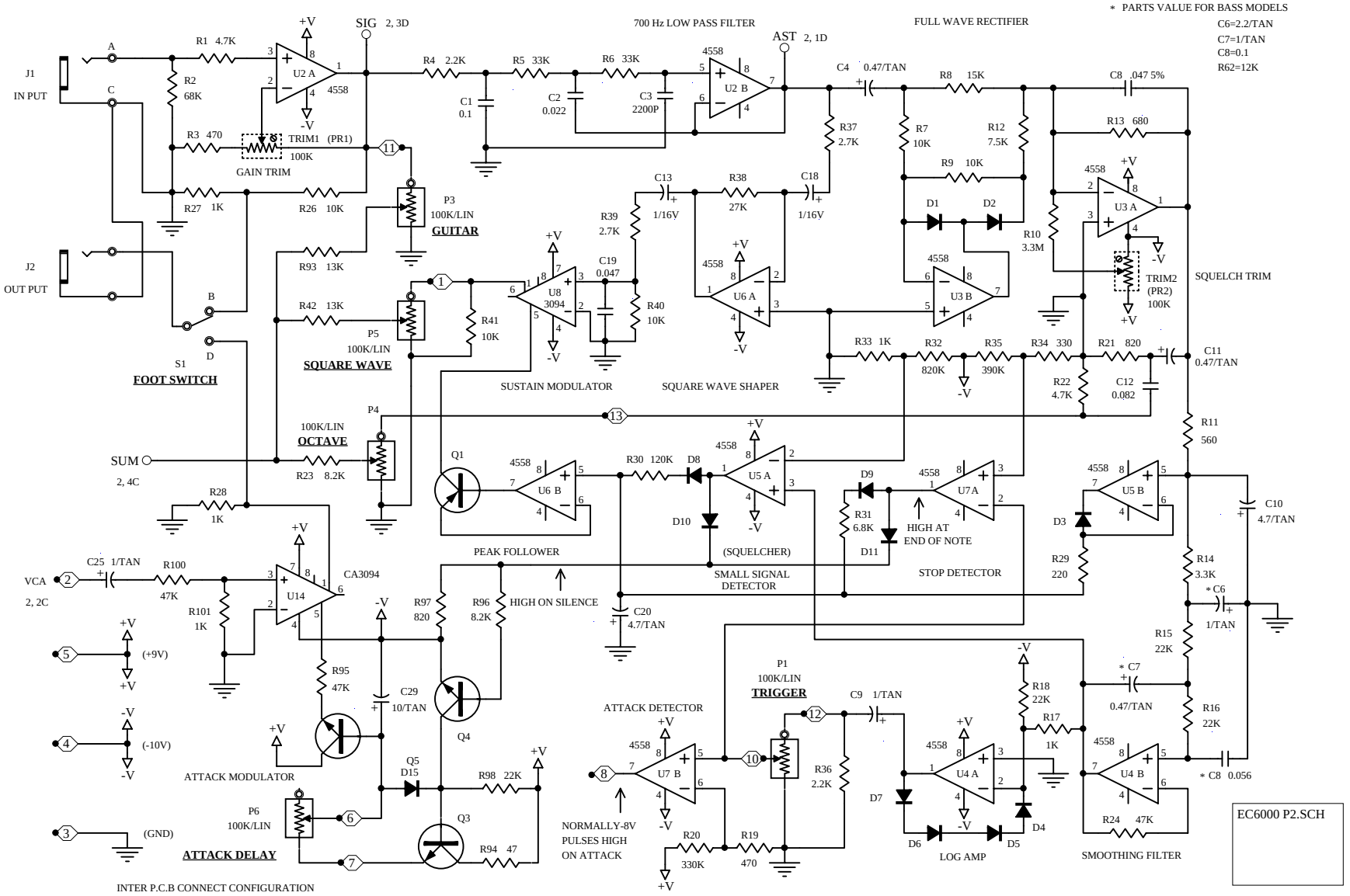
* PARTS VALUE FOR BASS MODELS
C6=2.2/TAN
C7=1/TAN
C8=0.1
R62=12K
J1
IN PUT
J2
OUT PUT
S1
FOOT SWITCH
GAIN TRIM
TRIM1 (PR1)
100K
P3
100K/LIN
GUITAR
P5
100K/LIN
SQUARE WAVE
P4
100K/LIN
OCTAVE
SUM
2, 4C
SIG 2, 3D
AST 2, 1D
700 Hz LOW PASS FILTER
FULL WAVE RECTIFIER
SUSTAIN MODULATOR
SQUARE WAVE SHAPER
SQUELCH TRIM
TRIM2 (PR2) 100K
PEAK FOLLOWER
(SQUELCHER)
SMALL SIGNAL DETECTOR
HIGH AT END OF NOTE
STOP DETECTOR
HIGH ON SILENCE
VCA
2, 2C
CA3094
(+9V)
(-10V)
(GND)
ATTACK MODULATOR
ATTACK DELAY
ATTACK DETECTOR
NORMALLY-8V PULSES HIGH ON ATTACK
P1
100K/LIN
TRIGGER
LOG AMP
SMOOTHING FILTER
EC6000 P2.SCH
INTER P.C.B CONNECT CONFIGURATION
CONTROL BOARD(TOP) 13 MAIN CIRCUIT BOARD(BOTTOM)
ALL IC'S RC4558
ALL DIODE'S 1N4148
ALL NPN TR'S 2N5088
ALL PNP TR'S 2N5087
ALL R'S 5% 1/4W CARBON FILM
ALL NONE LYTIC C'S 10% 25V MIN
UNLESS OTHERWISE STATED
2, 3D
SHEET# GRID#
LAST PART& I.D. RANK USED
R101 P10(VR10)
C33 TRIM2(PR2)
D21
Q7
U18(A18)
BR1
NEW SENSOR CORPORATION N.Y.C , NEW YORK , U.S.A.
Title
MICRO SYNTHESIZER
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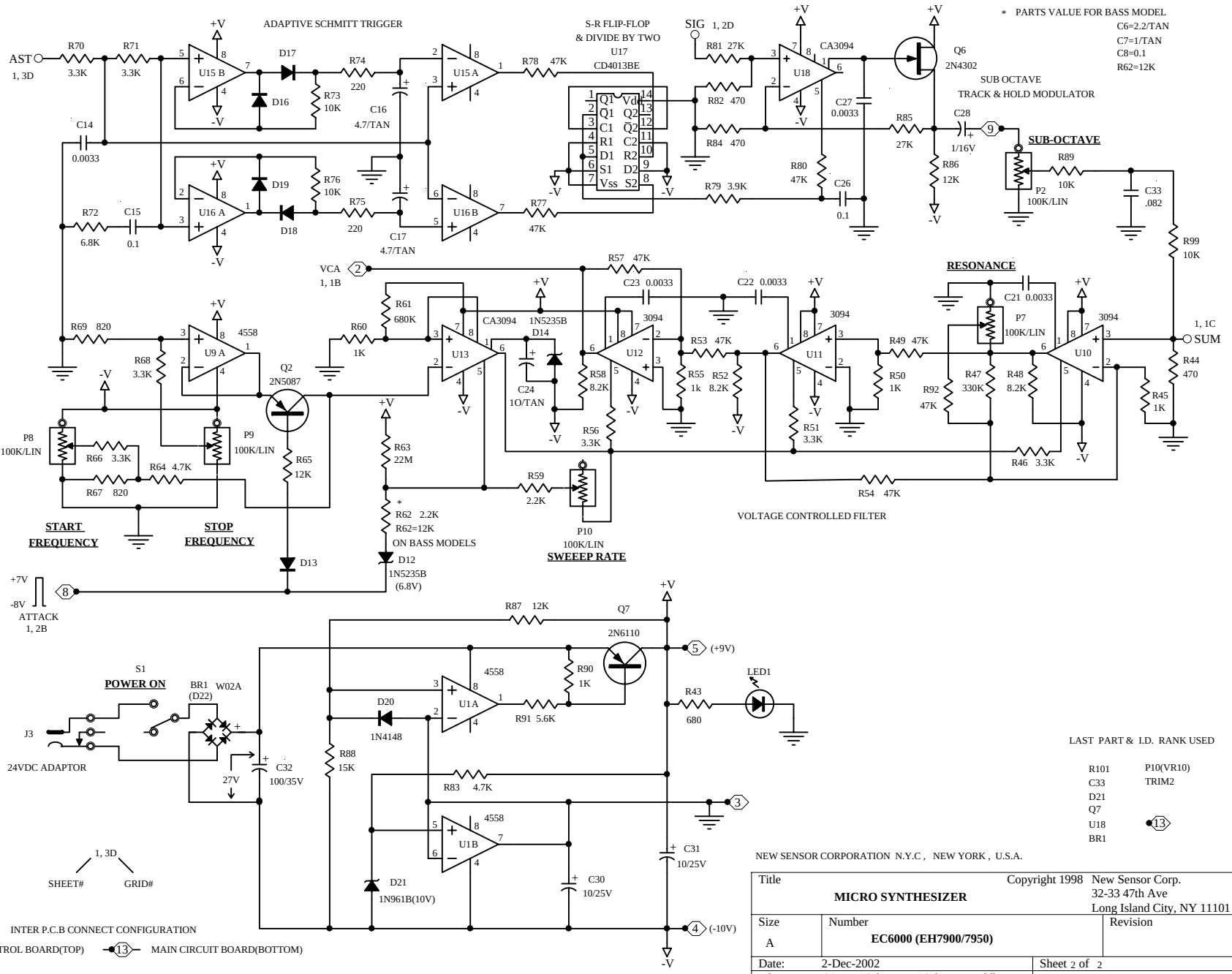
32-33 47th Ave
Long Island City, NY 11101
Size A
Number EC6000 (EH7900/7950)
Revision
Date: 2-Dec-2002
Sheet 1 of 2
File: C:\EHX\Schematics\Schematics.ddb
Drawn By: L. DANG 12-02-02


ADAPTIVE SCHMITT TRIGGER
S-R FLIP-FLOP & DIVIDE BY TWO
U17 CD4013BE
SUB OCTAVE TRACK & HOLD MODULATOR
* PARTS VALUE FOR BASS MODEL
C6=2.2/TAN
C7=1/TAN
C8=0.1
R62=12K
SUB-OCTAVE
RESONANCE
VOLTAGE CONTROLLED FILTER
START FREQUENCY
STOP FREQUENCY
SWEEEP RATE
ON BASS MODELS
ATTACK
POWER ON
24VDC ADAPTOR
INTER P.C.B CONNECT CONFIGURATION
CONTROL BOARD(TOP)
MAIN CIRCUIT BOARD(BOTTOM)
LAST PART & I.D. RANK USED
R101 P10(VR10)
C33 TRIM2
D21
Q7
U18
BR1
NEW SENSOR CORPORATION N.Y.C , NEW YORK , U.S.A.
MICRO SYNTHESIZER
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EC6000 (EH7900/7950)
2-Dec-2002
Sheet 2 of 2
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L. DANG 12-02-02