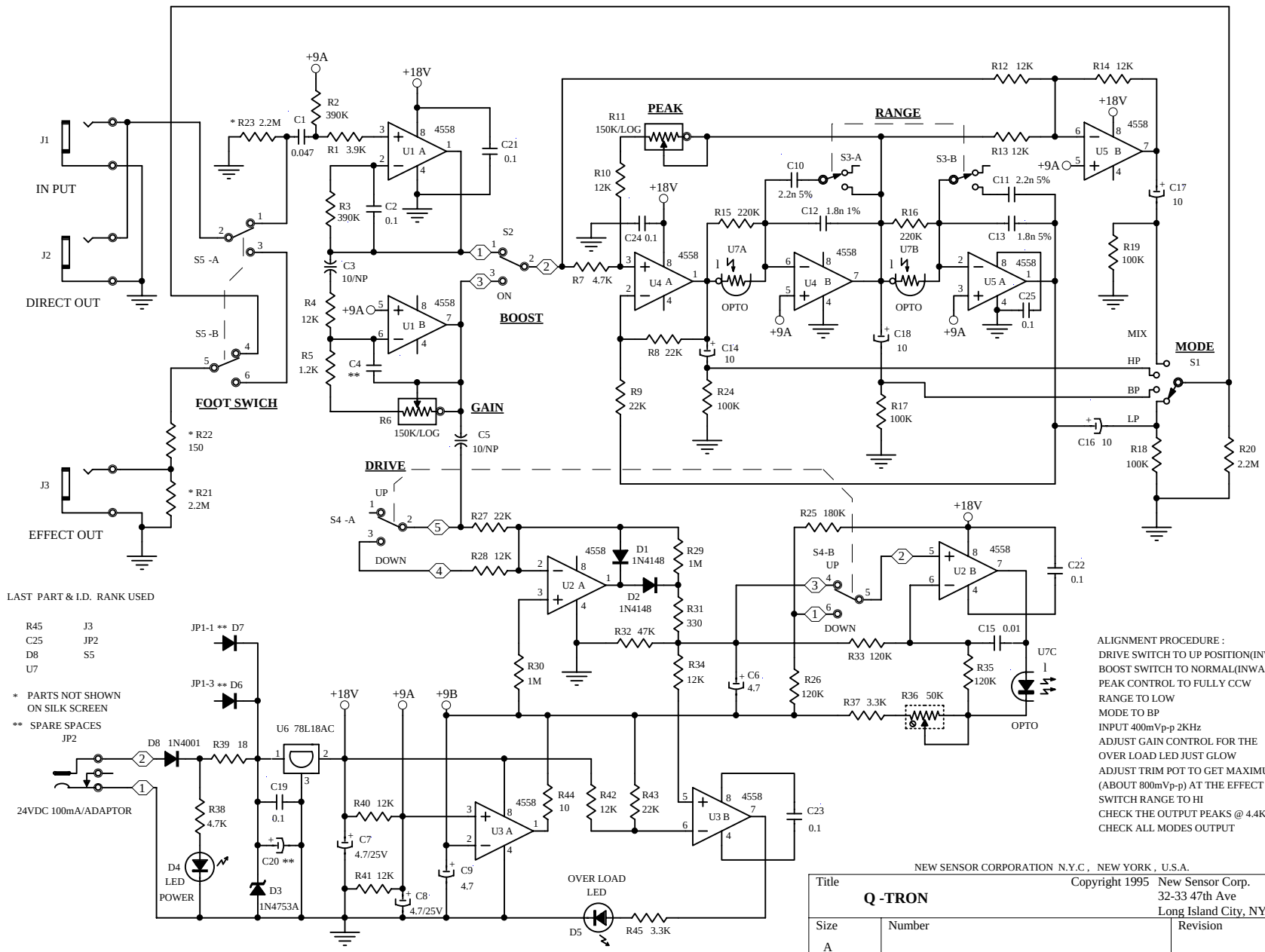
+9A
+18V
J1
IN PUT
J2
DIRECT OUT
J3
EFFECT OUT
S5 -A
S5 -B
FOOT SWICH
* R23 2.2M
C1
0.047
R2
390K
R1 3.9K
U1 A
4558
C21
0.1
R3
390K
C2
0.1
C3
10/NP
R4
12K
R5
1.2K
U1 B
C4
**
R6
150K/LOG
GAIN
C5
10/NP
S2
ON
BOOST
R7 4.7K
* R22
150
* R21
2.2M
DRIVE
UP
DOWN
S4 -A
R27 22K
R28 12K
U2 A
D1
1N4148
D2
1N4148
R29
1M
R31
330
R32 47K
R30
1M
R34
12K
C6
4.7
R26
120K
R37 3.3K
R36 50K
S
OPTO
U7C
R35
120K
C15 0.01
R33 120K
R25 180K
S4-B
U2 B
C22
0.1
PEAK
R11
150K/LOG
R10
12K
C24 0.1
RANGE
R15 220K
C10
2.2n 5%
S3-A
C12 1.8n 1%
R16
220K
S3-B
C11 2.2n 5%
R13 12K
R12 12K
R14 12K
U5 B
C17
10
R19
100K
C13 1.8n 5%
U5 A
C25
0.1
U7A
U7B
U4 A
U4 B
OPTO
C18
10
R8 22K
C14
10
R9
22K
R24
100K
R17
100K
MIX
MODE
S1
HP
BP
LP
C16 10
R18
100K
R20
2.2M
LAST PART & I.D. RANK USED
R45 J3
C25 JP2
D8 S5
U7
* PARTS NOT SHOWN ON SILK SCREEN
** SPARE SPACES JP2
JP1-1 ** D7
JP1-3 ** D6
D8 1N4001
R39 18
U6 78L18AC
24VDC 100mA/ADAPTOR
C19
0.1
C20 **
R38
4.7K
D4
LED
POWER
D3
1N4753A
R40 12K
C7
4.7/25V
R41 12K
C8
4.7/25V
C9
4.7
U3 A
R44
10
R42
12K
R43
22K
U3 B
C23
0.1
OVER LOAD
LED
D5
R45 3.3K
ALIGNMENT PROCEDURE :
DRIVE SWITCH TO UP POSITION(INWARD)
BOOST SWITCH TO NORMAL(INWARD)
PEAK CONTROL TO FULLY CCW
RANGE TO LOW
MODE TO BP
INPUT 400mVp-p 2KHz
ADJUST GAIN CONTROL FOR THE
OVER LOAD LED JUST GLOW
ADJUST TRIM POT TO GET MAXIMUM
(ABOUT 800mVp-p) AT THE EFFECT OUTPUT
SWITCH RANGE TO HI
CHECK THE OUTPUT PEAKS @ 4.4KHz
CHECK ALL MODES OUTPUT
NEW SENSOR CORPORATION N.Y.C , NEW YORK , U.S.A.
Title
Q -TRON
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32-33 47th Ave
Long Island City, NY 11101
Size
A
Number
Revision
Date: 2-Dec-2002
Sheet 1of 1
File: C:\EHX\Schematics\Schematics.ddb
Drawn By: L. DANG 12-02-02
REFERENCE DRAWING DATED 8/14/97