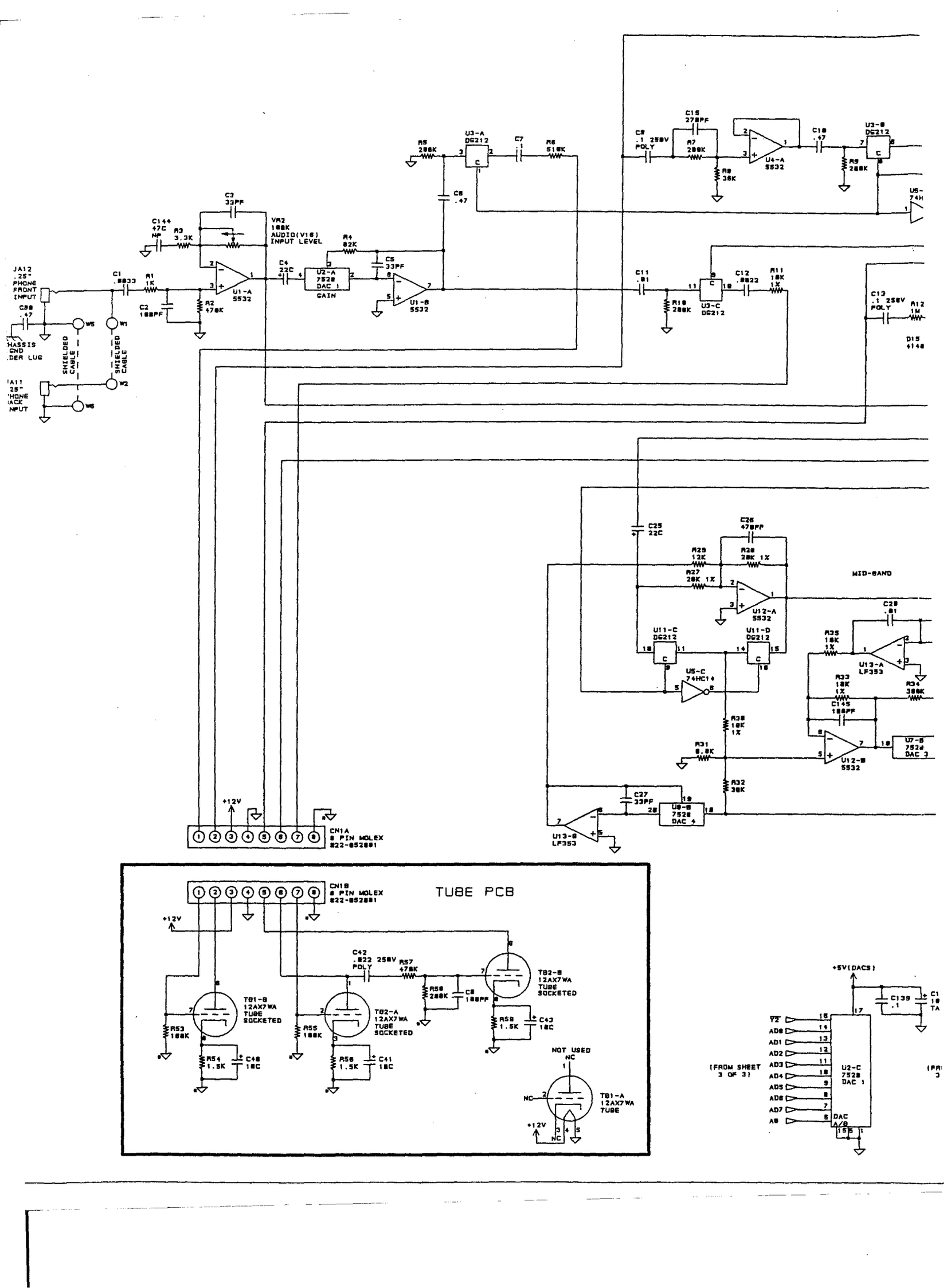
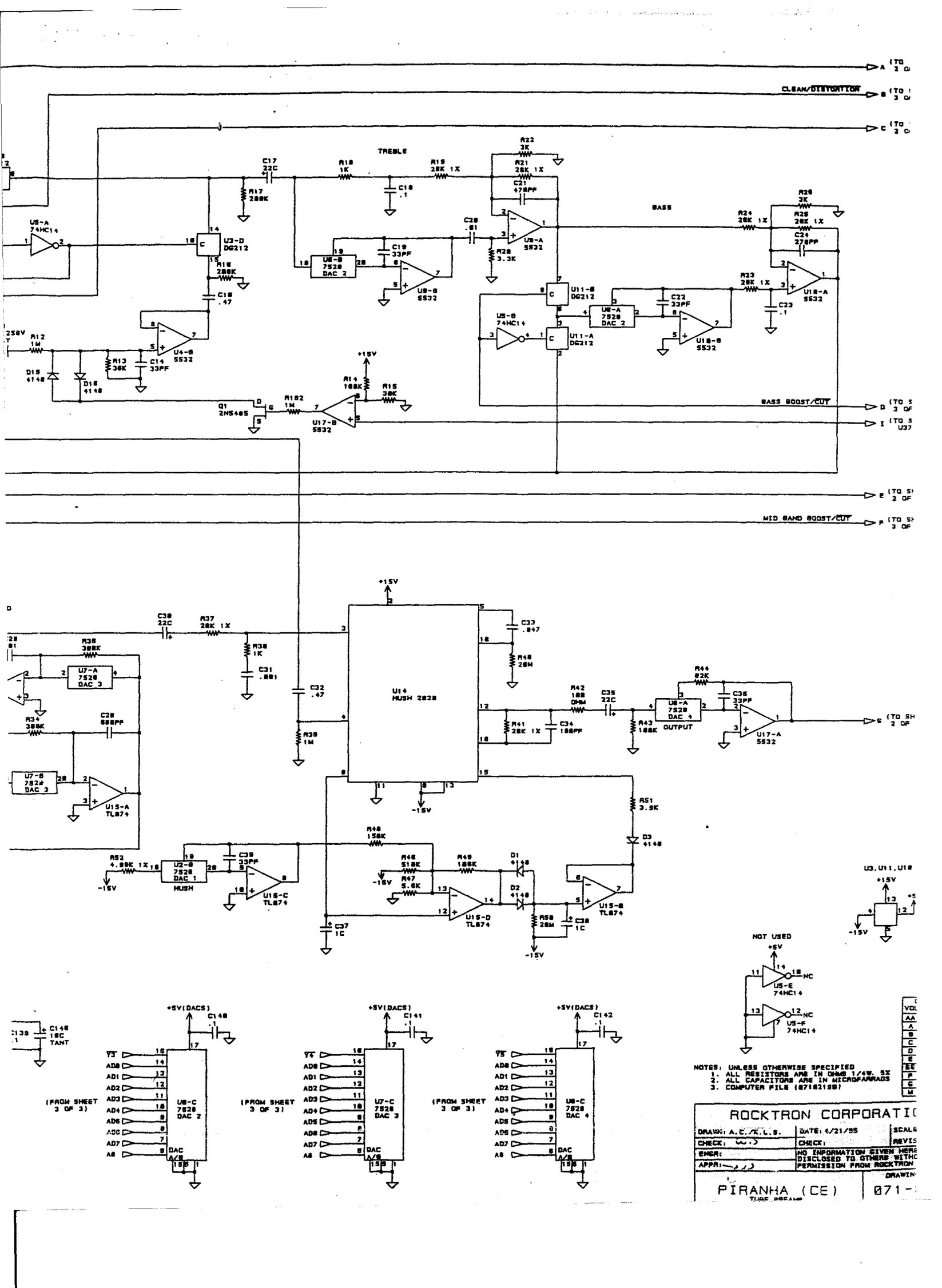

TUBE PCB
MID-BAND
CN1A
8 PIN MOLEX
#22-052881
CN1B
8 PIN MOLEX
#22-052881
+12V
+5V(DACS)
NOT USED
(FROM SHEET 3 OF 3)
SHIELDED CABLE
CHASSIS GND SOLDER LUG
PHONE FRONT INPUT
PHONE JACK INPUT
AUDIO(V18) INPUT LEVEL
GAIN
U1-A 5532
U1-B 5532
U2-A 7528 DAC 1
U2-C 7528 DAC 1
U3-A DG212
U3-B DG212
U3-C DG212
U4-A 5532
U5-C 74HC14
U7-B 7524 DAC 3
U8-B 7528 DAC 4
U11-C DG212
U11-D DG212
U12-A 5532
U12-B 5532
U13-A LF353
U13-B LF353
TB1-A 12AX7WA TUBE
TB1-B 12AX7WA TUBE SOCKETED
TB2-A 12AX7WA TUBE SOCKETED
TB2-B 12AX7WA TUBE SOCKETED


CLEAN/DISTORTION
TREBLE
BASS
BASS BOOST/CUT
MID BAND BOOST/CUT
HUSH
OUTPUT
NOT USED
NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE IN OHMS 1/4W. 5%
2. ALL CAPACITORS ARE IN MICROFARADS
3. COMPUTER FILE (071621SB)
ROCKTRON CORPORATI
PIRANHA (CE)

QC3 AND QC4 WERE TERMINAL PCB MALE .187 X .032 QC. ARE NOW MP.QC3 AND QC4 ARE NOW CONNECTED WITH 0 ohm JUMPER. J1 WAS CONNECTED BETWEEN QC3 AND QC4 IS NOW CONNECTED BETWEEN POWER INLET MODULE AND QC1 AND QC2 BREAKING BOTH HOT AND NEUTRAL	B	1/17/97	20

ENCODER PCB

SW18 36 POS. VERT. ROTARY DETENT. BASS

SW11 36 POS. VERT. ROTARY DETENT. MID

SW12 36 POS. VERT. ROTARY DETENT. MID FREQ.

SW13 36 POS. VERT. ROTARY DETENT. TREBLE

SW14 36 POS. VERT. ROTARY DETENT. GAIN

SW15 36 POS. VERT. ROTARY DETENT. LEVEL

CN6B 15 PIN 2" FLEXTRAN CONN.

CN6A 15 PIN 2" FLEXTRAN CONN.

U28 74HC541

U38 74HC574

U37 74HC574

U39 ULN-2883A OR ULN-2893A

(FROM SHEET 1 OF 3 U17 PIN 5) DIODE GAIN= HI

SW16 4P DIP SWITCH MIDI CHANNEL

U29 80C32

U32 74HC573

XT1 12 MHZ

U36 PC816 OR 6N137

U31-C 74HC86

U31-D 74HC86

JA3 5 PIN DIN MIDI IN/ EMOTE

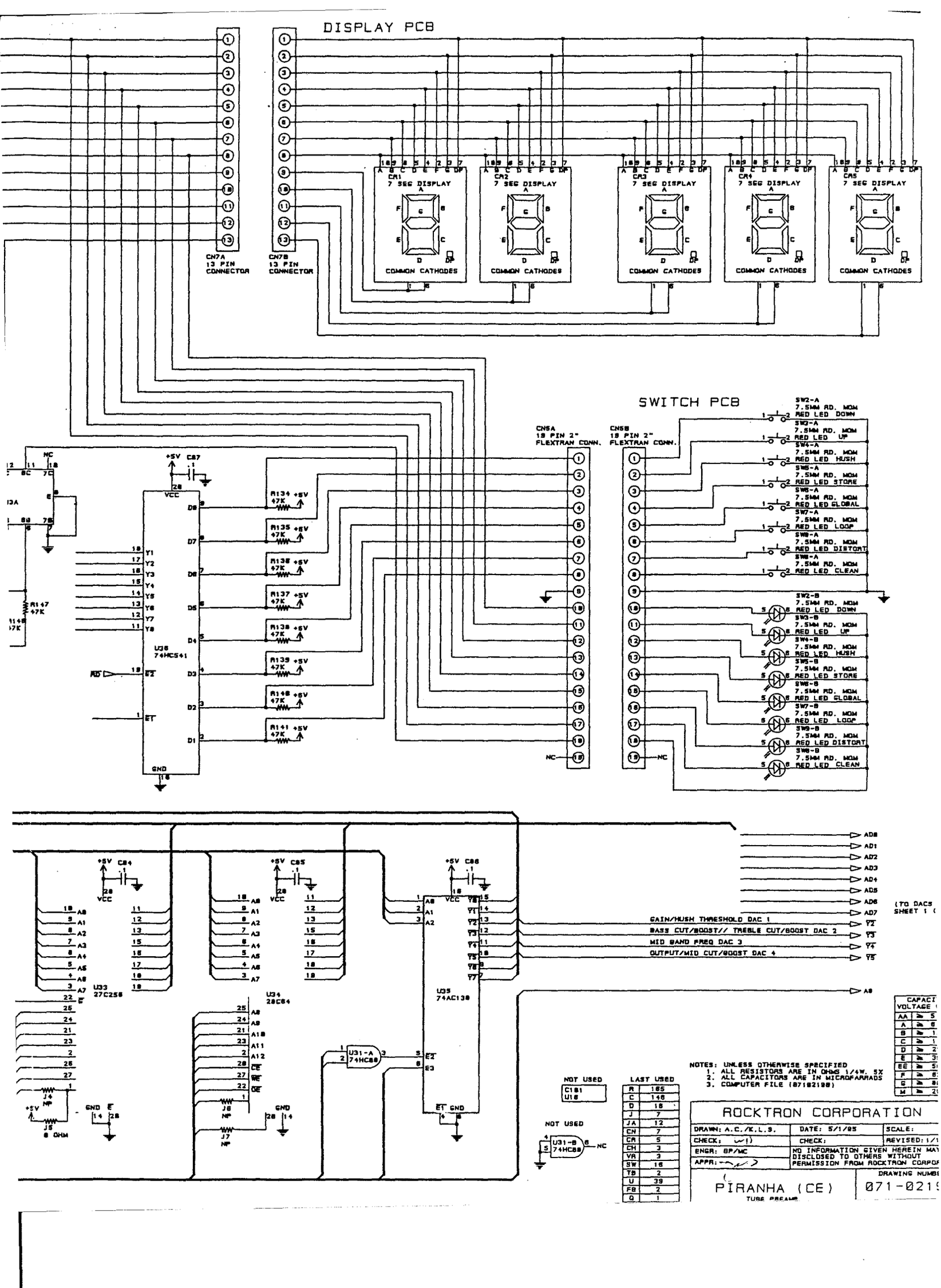
JA2 5 PIN DIN MIDI OUT/THRU

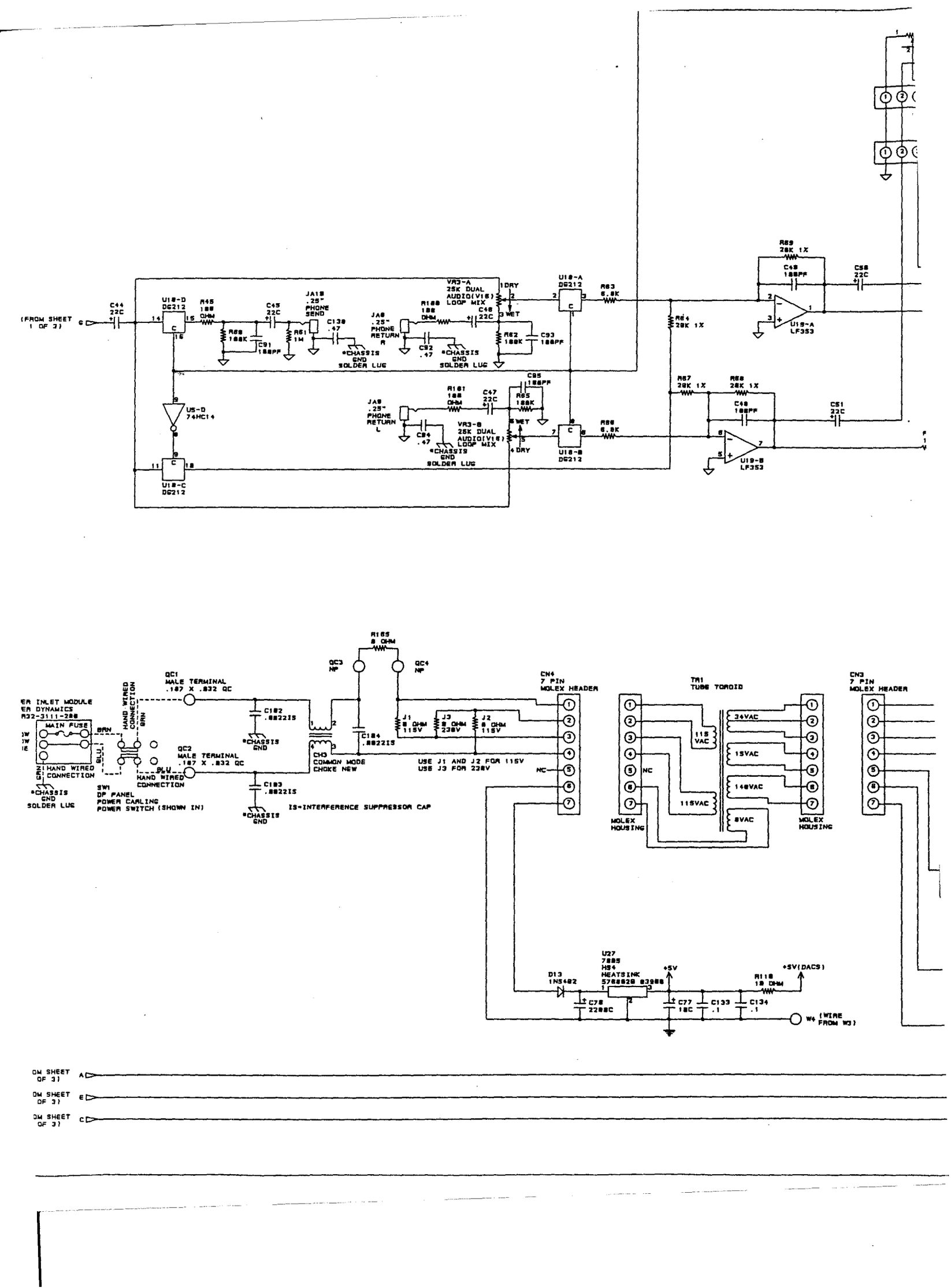
FROM SHEET 2 OF 3) H — LOOP IN/OUT

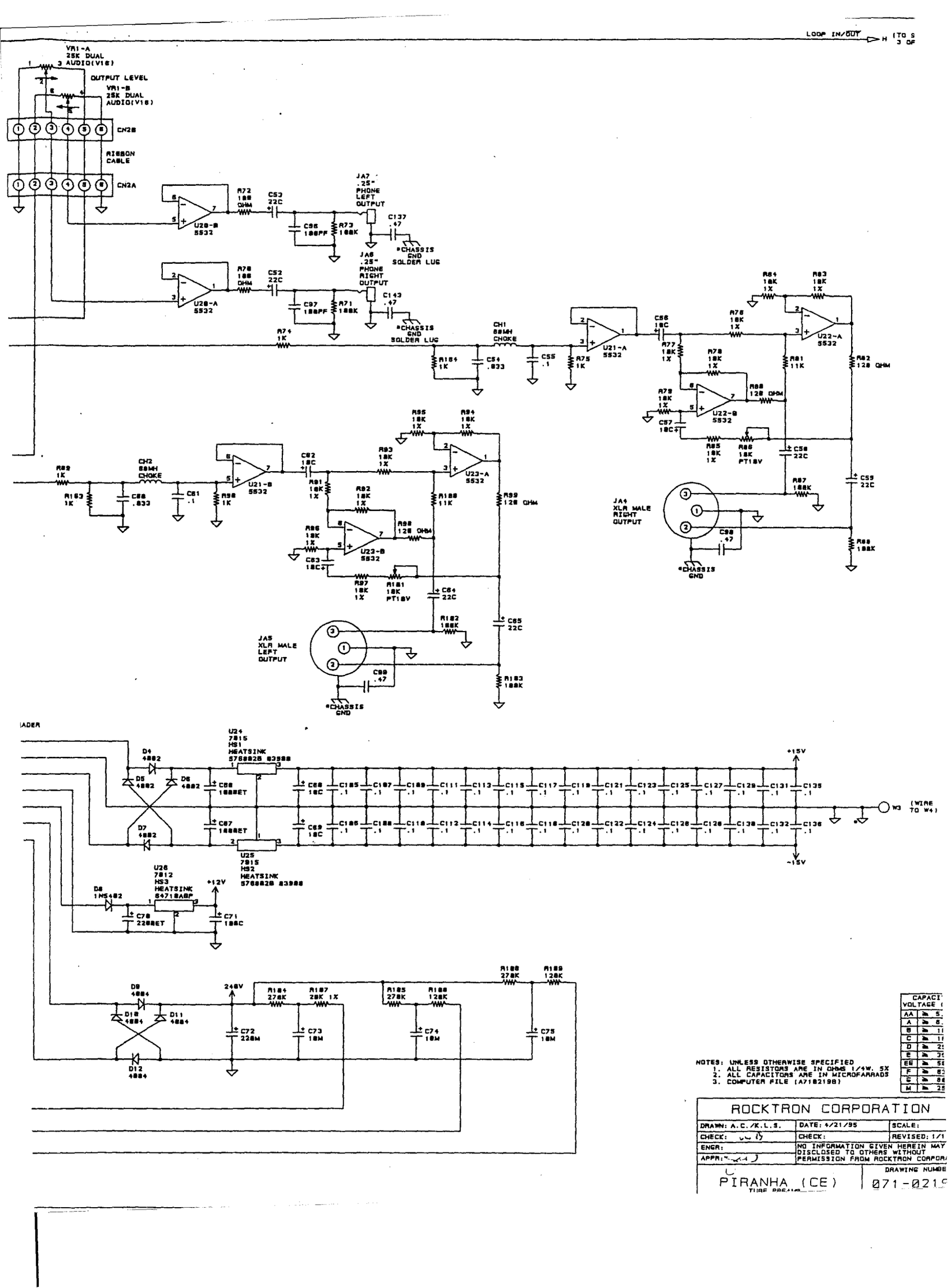
FROM SHEET 1 OF 3) F — MID BAND BOOST/CUT

FROM SHEET 1 OF 3) D — BASS BOOST/CUT

FROM SHEET 1 OF 3) B — CLEAN/DISTORTION


DISPLAY PCB
CN7A
13 PIN
CONNECTOR
CN7B
13 PIN
CONNECTOR
CR1
7 SEG DISPLAY
CR2
7 SEG DISPLAY
CR3
7 SEG DISPLAY
CR4
7 SEG DISPLAY
CR5
7 SEG DISPLAY
COMMON CATHODES
SWITCH PCB
CN5A
19 PIN 2"
FLEXTRAN CONN.
CN5B
19 PIN 2"
FLEXTRAN CONN.
SW2-A
7.5MM RD. MOM
RED LED DOWN
SW3-A
7.5MM RD. MOM
RED LED UP
SW4-A
7.5MM RD. MOM
RED LED HUSH
SW5-A
7.5MM RD. MOM
RED LED STORE
SW6-A
7.5MM RD. MOM
RED LED GLOBAL
SW7-A
7.5MM RD. MOM
RED LED LOOP
SW8-A
7.5MM RD. MOM
RED LED DISTORT
SW9-A
7.5MM RD. MOM
RED LED CLEAN
SW2-B
7.5MM RD. MOM
RED LED DOWN
SW3-B
7.5MM RD. MOM
RED LED UP
SW4-B
7.5MM RD. MOM
RED LED HUSH
SW5-B
7.5MM RD. MOM
RED LED STORE
SW6-B
7.5MM RD. MOM
RED LED GLOBAL
SW7-B
7.5MM RD. MOM
RED LED LOOP
SW8-B
7.5MM RD. MOM
RED LED DISTORT
SW9-B
7.5MM RD. MOM
RED LED CLEAN
U36
74HCS41
U33
27C256
U34
28C64
U35
74AC138
U31-A
74HC88
U31-B
74HC88
GAIN/HUSH THRESHOLD DAC 1
BASS CUT/BOOST// TREBLE CUT/BOOST DAC 2
MID BAND FREQ DAC 3
OUTPUT/MID CUT/BOOST DAC 4
(TO DACS SHEET 1
NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE IN OHMS 1/4W. 5%
2. ALL CAPACITORS ARE IN MICROFARRADS
3. COMPUTER FILE (871821988)
NOT USED
C181
U18
NOT USED
LAST USED
A 165
C 148
D 16
J 7
JA 12
CN 7
CR 5
CH 3
VR 3
SW 16
TB 2
U 39
FB 2
Q 1
ROCKTRON CORPORATION
DRAWN: A.C./K.L.S.
DATE: 5/1/85
SCALE:
CHECK:
CHECK:
REVISED:
ENGR: BP/MC
APPR:
NO INFORMATION GIVEN HEREIN MAY DISCLOSED TO OTHERS WITHOUT PERMISSION FROM ROCKTRON CORPOR
PIRANHA (CE)
TUBE PREAMP
DRAWING NUMBE
071-021


(FROM SHEET 1 OF 3)
C44 22C
U18-D DG212
R45 100 OHM
R60 100K
C91 100PF
C45 22C
R61 1M
JA10 .25" PHONE SEND
C130 .47
*CHASSIS GND SOLDER LUG
JA9 .25" PHONE RETURN R
C92 .47
R100 100 OHM
C46 22C
VR3-A 25K DUAL AUDIO(V16) LOOP MIX
1 DRY
3 WET
R62 100K
C93 100PF
U18-A DG212
R63 6.8K
R64 20K 1X
R69 20K 1X
C49 100PF
C58 22C
U19-A LF353
U5-D 74HC14
U18-C DG212
JA9 .25" PHONE RETURN L
C84 .47
R101 100 OHM
C47 22C
R65 100K
C85 100PF
VR3-B 25K DUAL AUDIO(V16) LOOP MIX
4 DRY
6 WET
U18-B DG212
R66 6.8K
R67 20K 1X
R68 20K 1X
C48 100PF
C51 22C
U19-B LF353
R165 8 OHM
QC3 NP
QC4 NP
QC1 MALE TERMINAL .187 X .032 QC
QC2 MALE TERMINAL .187 X .032 QC
HAND WIRED CONNECTION
C102 .0022IS
C104 .0022IS
C103 .0022IS
CH3 COMMON MODE CHOKE NEW
J1 8 OHM 115V
J3 8 OHM 230V
J2 8 OHM 115V
USE J1 AND J2 FOR 115V
USE J3 FOR 230V
IS=INTERFERENCE SUPPRESSOR CAP
SW1 DP PANEL POWER CARLING POWER SWITCH (SHOWN IN)
MAIN FUSE
BRN
BLU
GRN
*CHASSIS GND SOLDER LUG
CN4 7 PIN MOLEX HEADER
NC
TR1 TUBE TOROID
115 VAC
34VAC
15VAC
14@VAC
8VAC
MOLEX HOUSING
CN3 7 PIN MOLEX HEADER
U27 7805 HS4 HEATSINK 5788629 03988
+5V
+5V(DACS)
D13 1N5402
C78 2200C
C77 10C
C133 .1
C134 .1
R118 10 OHM
W4 (WIRE FROM W3)
OM SHEET OF 3) A
OM SHEET OF 3) B
OM SHEET OF 3) C


LOOP IN/OUT
VR1-A
25K DUAL
AUDIO(V16)
OUTPUT LEVEL
VR1-B
25K DUAL
AUDIO(V16)
CN2B
RIBBON
CABLE
CN2A
U20-B
5532
R72
100
OHM
C53
22C
C96
100PF
R73
100K
JA7
.25"
PHONE
LEFT
OUTPUT
C137
.47
*CHASSIS
GND
SOLDER LUG
JA6
.25"
PHONE
RIGHT
OUTPUT
U20-A
5532
R70
100
OHM
C52
22C
C97
100PF
R71
100K
C143
.47
*CHASSIS
GND
SOLDER LUG
R74
1K
CH1
68MH
CHOKE
R184
1K
C54
.033
C55
.1
U21-A
5532
R75
1K
C56
10C
R77
10K
1%
R76
10K
1%
R84
10K
1%
R83
10K
1%
U22-A
5532
R78
10K
1%
R81
11K
R82
120 OHM
R79
10K
1%
R88
120 OHM
U22-B
5532
C57
10C
R85
10K
1%
R86
10K
PT10V
C58
22C
C59
22C
R87
100K
R68
100K
JA4
XLR MALE
RIGHT
OUTPUT
C98
.47
*CHASSIS
GND
R89
1K
CH2
68MH
CHOKE
R183
1K
C88
.033
C61
.1
U21-B
5532
R90
1K
C62
10C
R91
10K
1%
R93
10K
1%
R95
10K
1%
R94
10K
1%
U23-A
5532
R92
10K
1%
R188
11K
R99
120 OHM
R96
10K
1%
R98
120 OHM
U23-B
5532
C63
10C
R97
10K
1%
R181
10K
PT10V
C64
22C
C65
22C
R182
100K
R183
100K
JA5
XLR MALE
LEFT
OUTPUT
C99
.47
*CHASSIS
GND
ADER
U24
7915
HS1
HEATSINK
5788826 83988
D4
4002
D5
4002
D6
4002
D7
4002
C66
1000ET
C67
1000ET
C68
10C
C69
10C
C105
.1
C107
.1
C109
.1
C111
.1
C113
.1
C115
.1
C117
.1
C119
.1
C121
.1
C123
.1
C125
.1
C127
.1
C129
.1
C131
.1
C135
.1
C106
.1
C108
.1
C110
.1
C112
.1
C114
.1
C116
.1
C118
.1
C120
.1
C122
.1
C124
.1
C126
.1
C128
.1
C130
.1
C132
.1
C136
.1
+15V
-15V
W3
(WIRE
TO W4)
U25
7915
HS2
HEATSINK
5788826 83988
U26
7812
HS3
HEATSINK
647188ABP
D8
1N5402
+12V
C70
220ET
C71
100
D9
4004
D10
4004
D11
4004
D12
4004
248V
R184
270K
R187
28K 1%
R185
270K
R186
120K
R188
270K
R189
120K
C72
220M
C73
10M
C74
10M
C75
10M
NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE IN OHMS 1/4W. 5%
2. ALL CAPACITORS ARE IN MICROFARADS
3. COMPUTER FILE (A71821988)
CAPACI
VOLTAGE
AA
A
B
C
D
E
EE
F
G
M
ROCKTRON CORPORATION
DRAWN: A.C./K.L.S.
DATE: 4/21/95
SCALE:
CHECK:
CHECK:
REVISED: 1/1
ENGR:
APPR:
NO INFORMATION GIVEN HEREIN MAY
DISCLOSED TO OTHERS WITHOUT
PERMISSION FROM ROCKTRON CORPOR
PIRANHA (CE)
DRAWING NUMBE
071-021