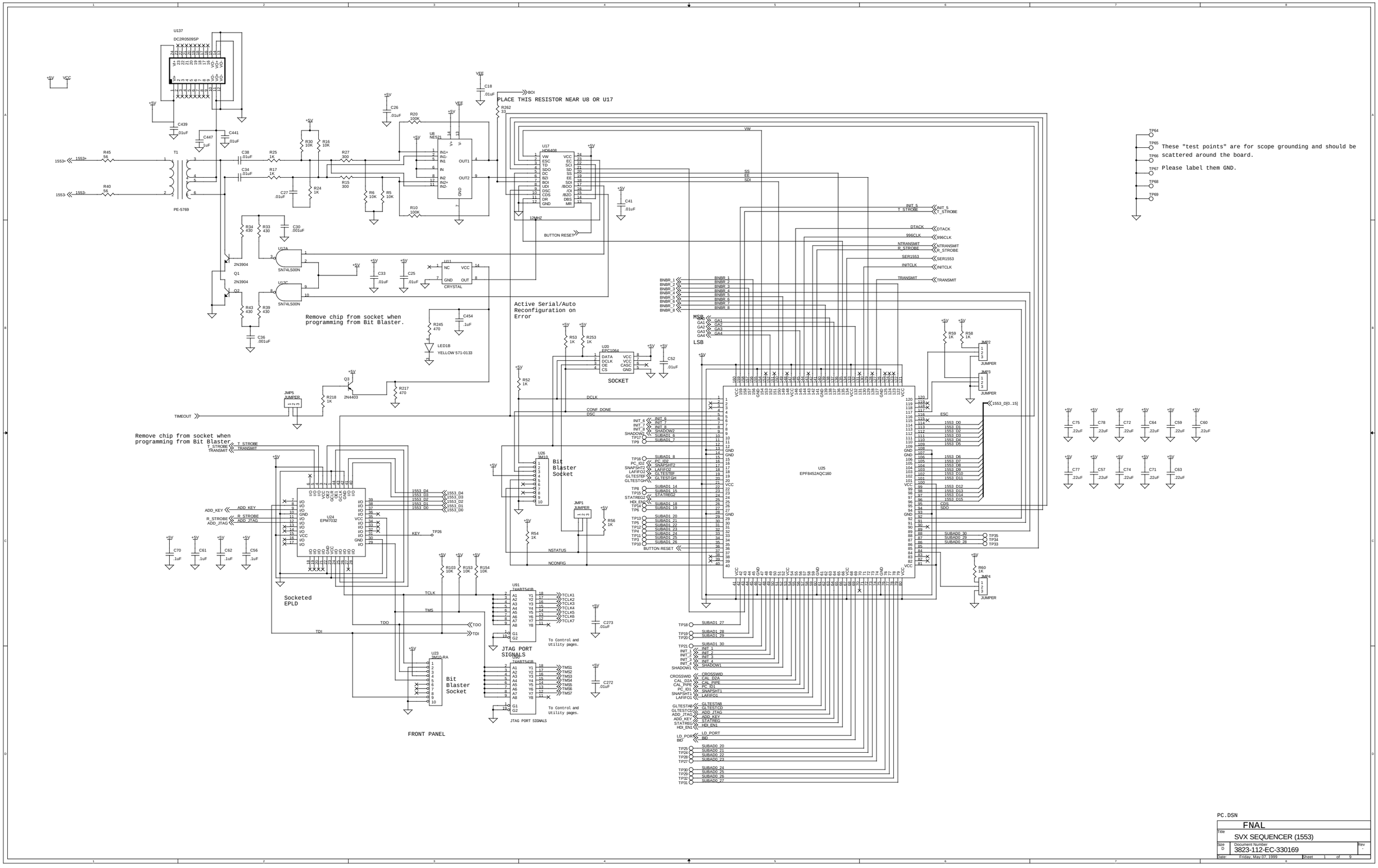

PC.DSN

Title	FNAL
	SVX SEQUENCER (1553)
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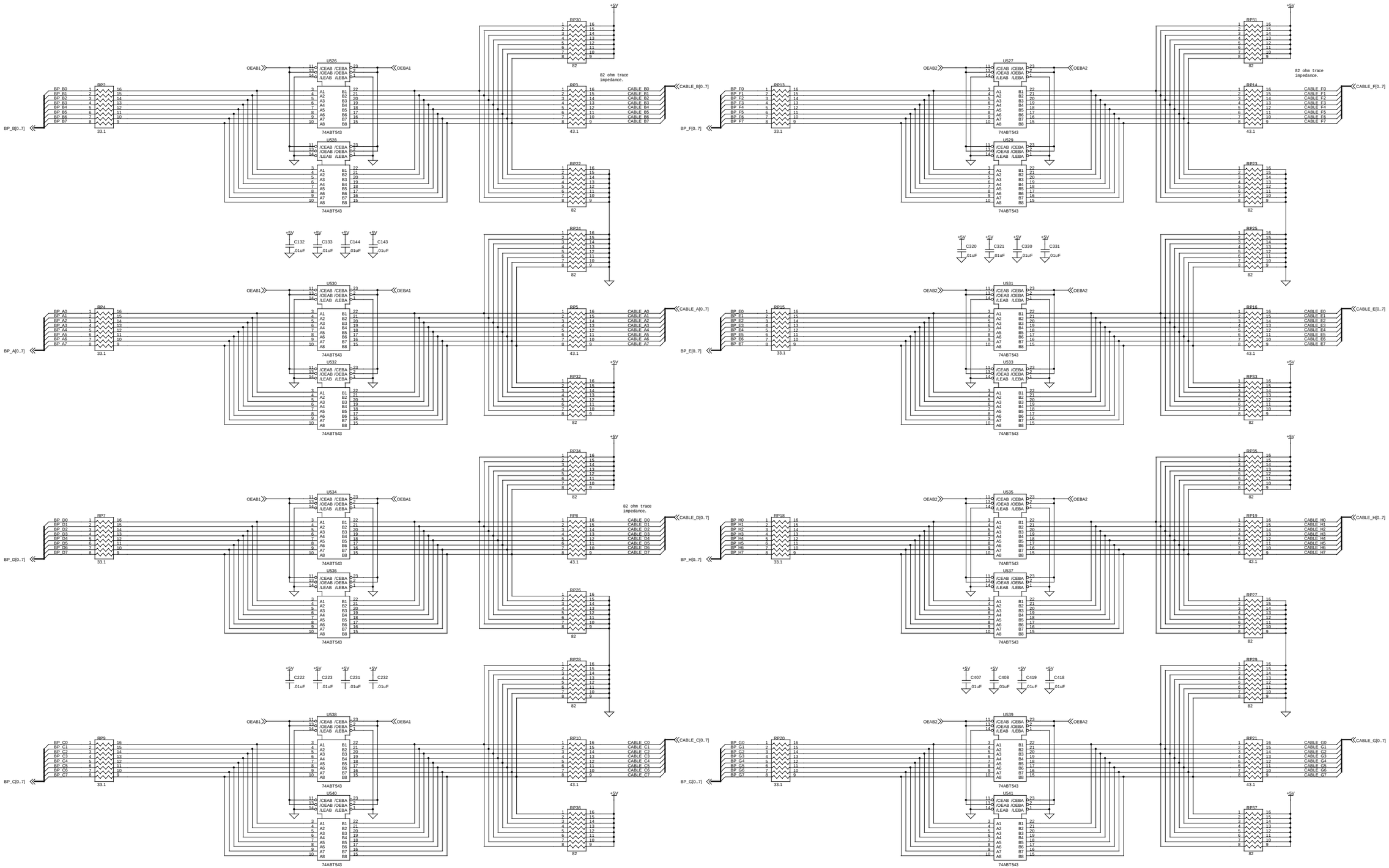

Title	STEREO INTERFACE BOARD
Size D	Document Number <Doc>
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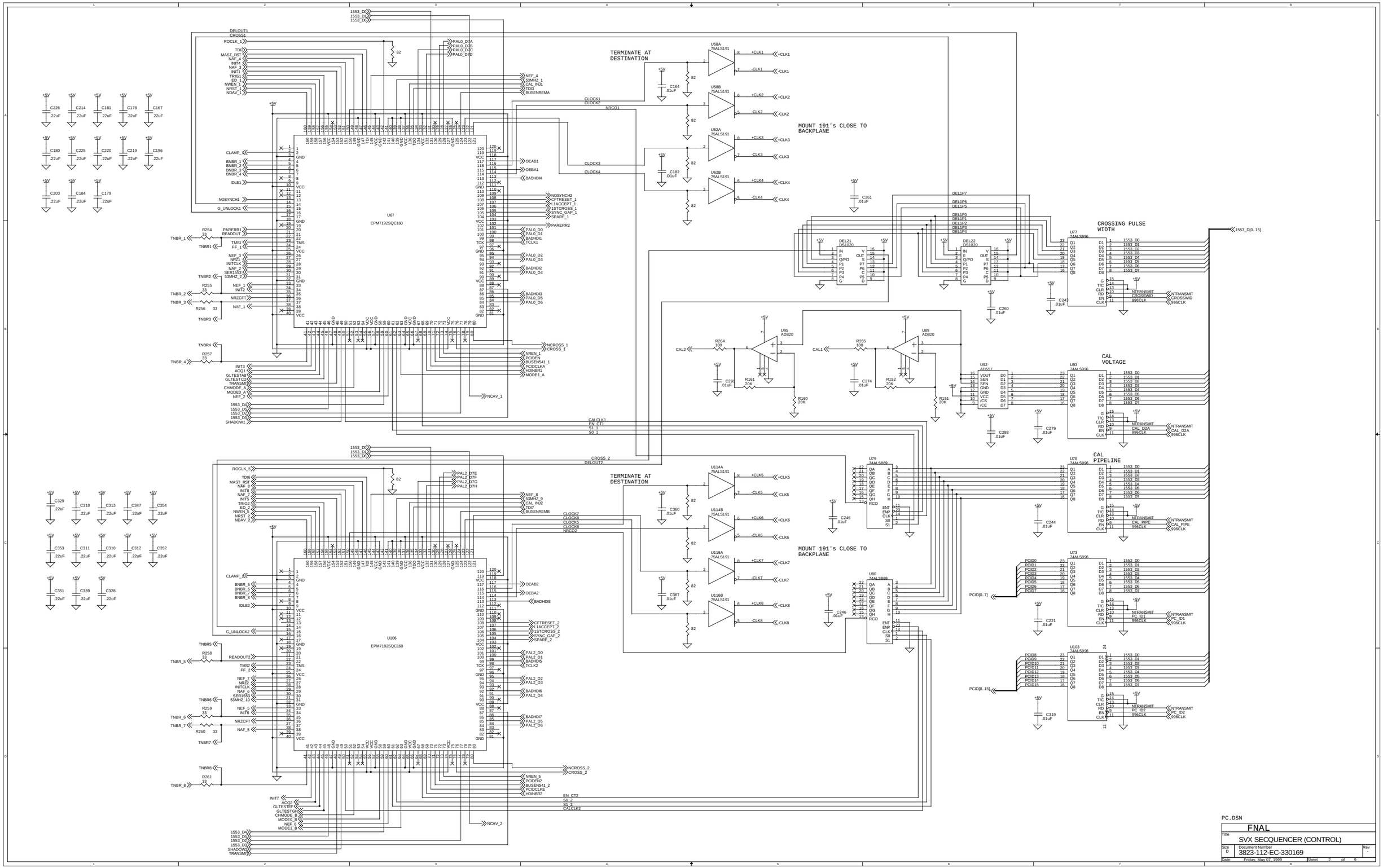

PC.DSN

Title	FNAL SVX SECQUENCER (CONTROL)
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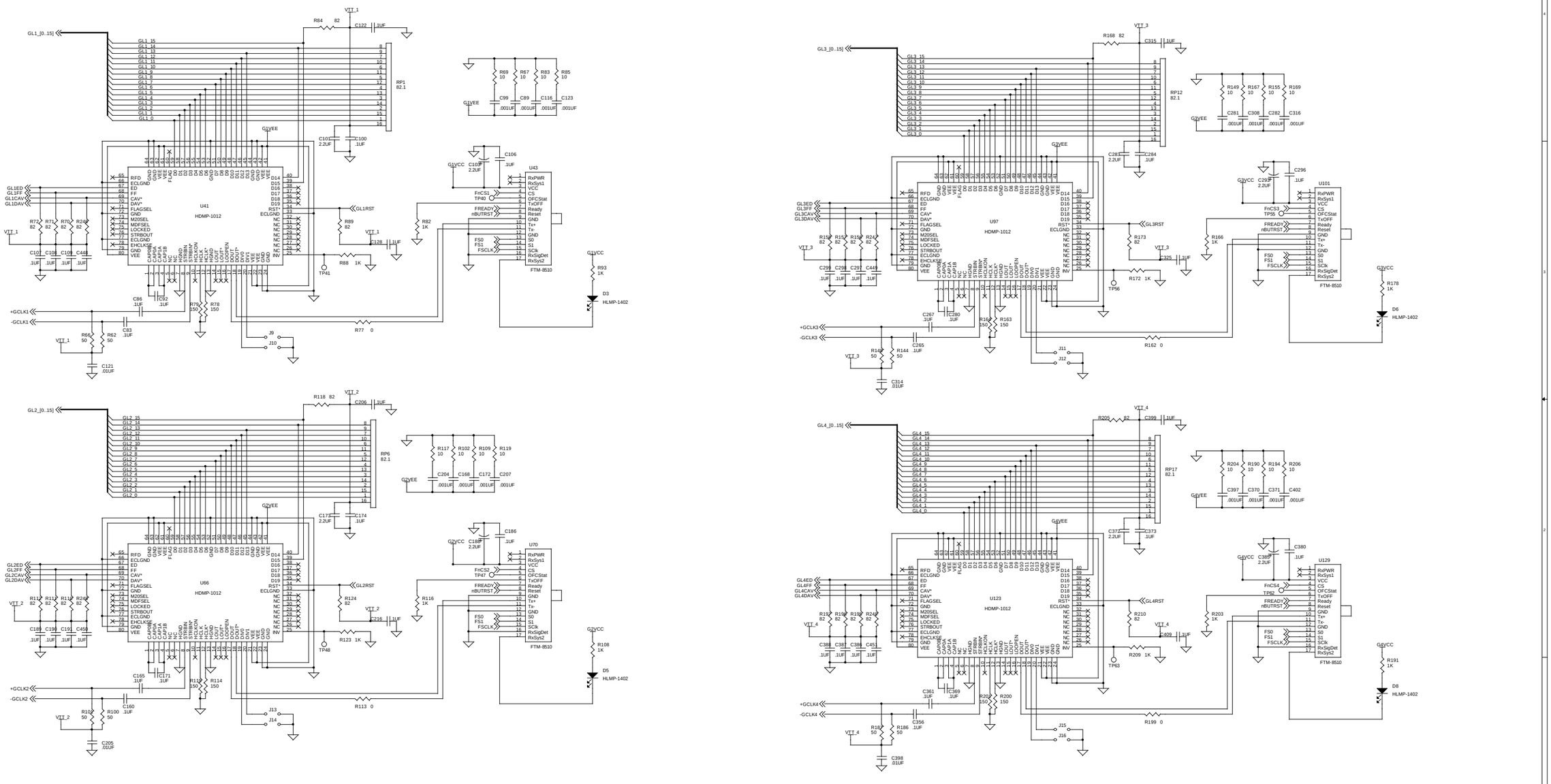

PC.DSN

Title	FNAL
	SVX SEQUENCER (G_LINK)
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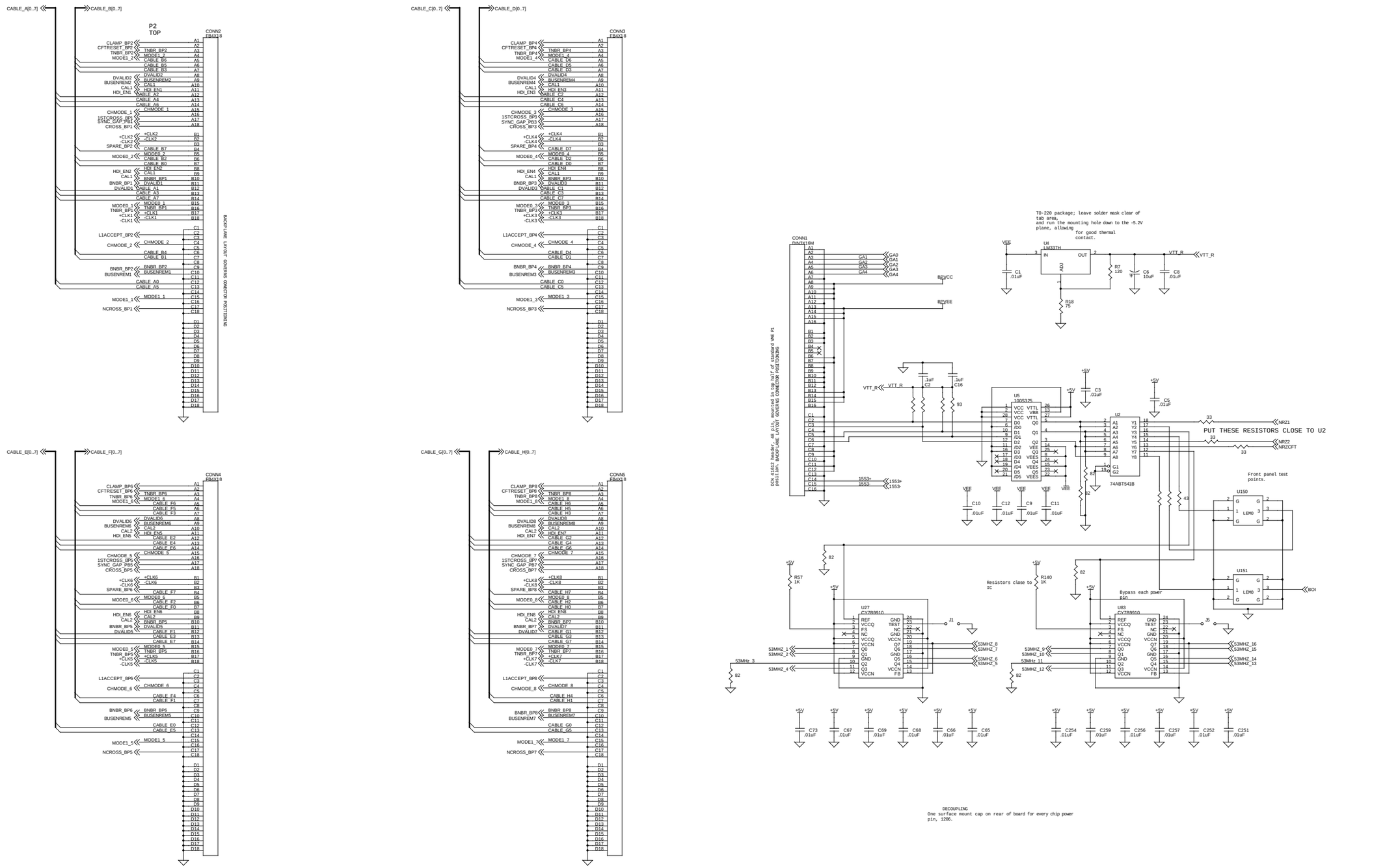

PC.DSN

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	SVX SEQUENCER (I/O)
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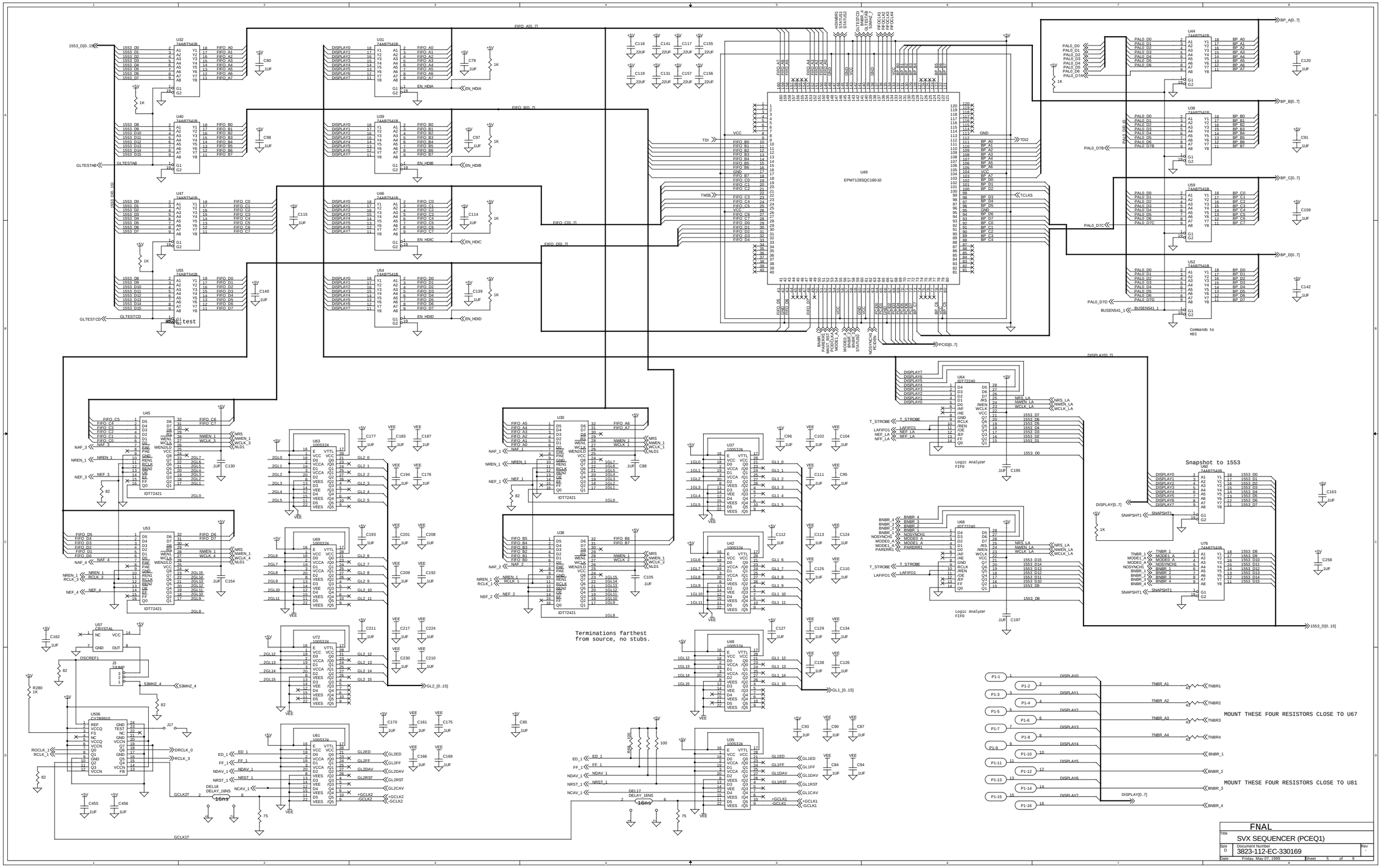
U49
EPM7128SQC160-10
U32 74ABT541B
U31 74ABT541B
U40 74ABT541B
U39 74ABT541B
U47 74ABT541B
U46 74ABT541B
U55 74ABT541B
U54 74ABT541B
U44 74ABT541B
U36 74ABT541B
U59 74ABT541B
U52 74ABT541B
U45 IDT72421
U53 IDT72421
U30 IDT72421
U38 IDT72421
U63 100S324
U69 100S324
U72 100S324
U61 100S324
U37 100S324
U42 100S324
U48 100S324
U35 100S324
U64 IDT72240
U68 IDT72240
U76 74ABT541B
U57 CRYSTAL
U506 CY7B9910
Logic Analyzer FIFO
Snapshot to 1553
Commands to HD1
Terminations farthest from source, no stubs.
MOUNT THESE FOUR RESISTORS CLOSE TO U67
MOUNT THESE FOUR RESISTORS CLOSE TO U81
FNAL
SVX SEQUENCER (PCEQ1)
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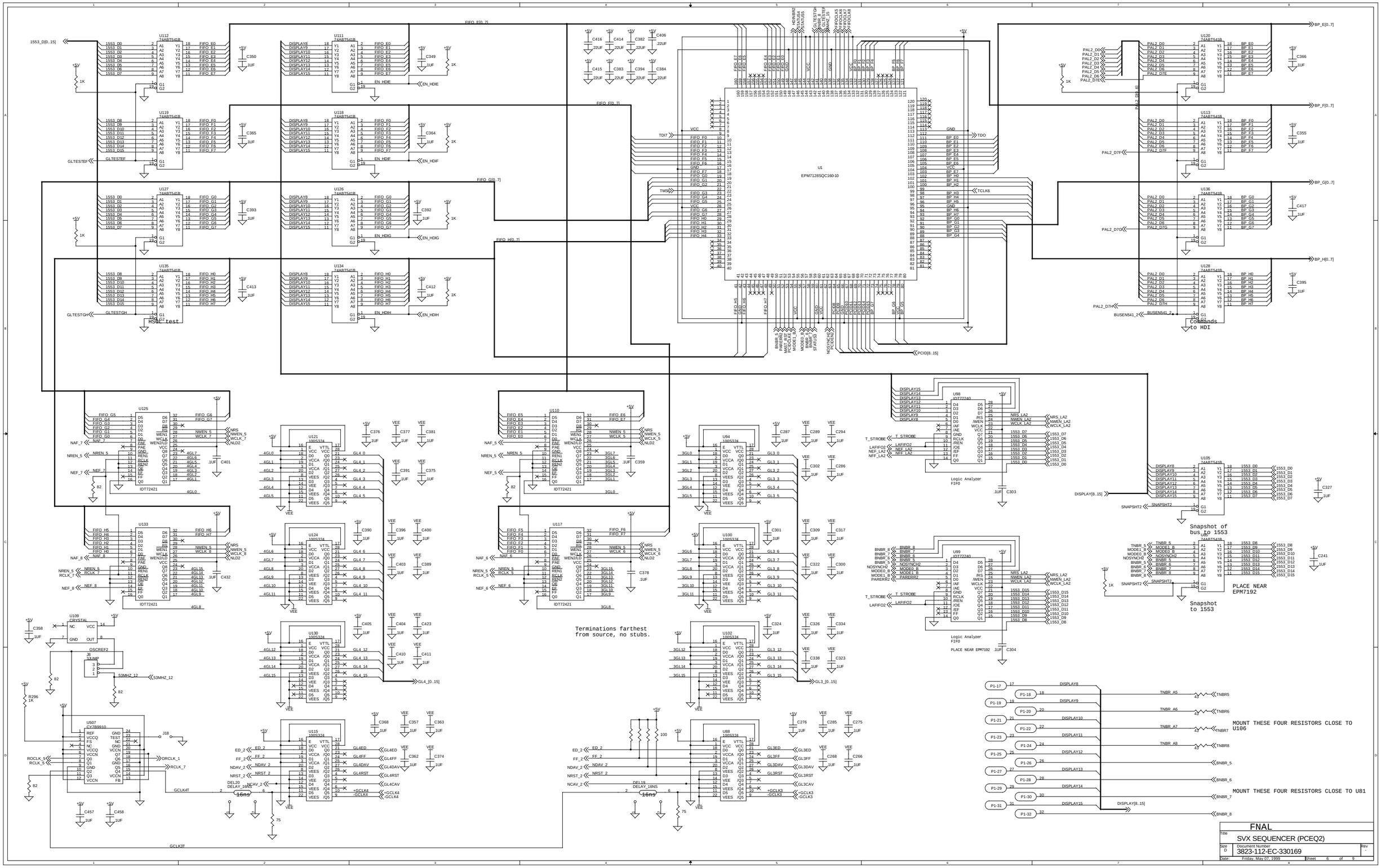
U1
EPM7128SQC160-10
U112 74ABT541B
U111 74ABT541B
U119 74ABT541B
U118 74ABT541B
U127 74ABT541B
U126 74ABT541B
U135 74ABT541B
U134 74ABT541B
U120 74ABT541B
U113 74ABT541B
U136 74ABT541B
U128 74ABT541B
U125 IDT72421
U110 IDT72421
U133 IDT72421
U117 IDT72421
U121 100S324
U124 100S324
U130 100S324
U115 100S324
U94 100S324
U100 100S324
U102 100S324
U88 100S324
U98 IDT72240
U99 IDT72240
U105 74ABT541B
U109 CRYSTAL
U507 CY7B9910
1553_D[0..15]
FIFO_E[0..7]
FIFO_F[0..7]
FIFO_G[0..7]
FIFO_H[0..7]
BP_E[0..7]
BP_F[0..7]
BP_G[0..7]
BP_H[0..7]
PCID[8..15]
GL4_[0..15]
GL3_[0..15]
DISPLAY[8..15]
HSM Test
Commands to HDI
Logic Analyzer FIFO
Snapshot of bus to 1553
Snapshot to 1553
PLACE NEAR EPM7192
Terminations farthest from source, no stubs.
MOUNT THESE FOUR RESISTORS CLOSE TO U106
MOUNT THESE FOUR RESISTORS CLOSE TO U81
FNAL
SVX SEQUENCER (PCEQ2)
Size D
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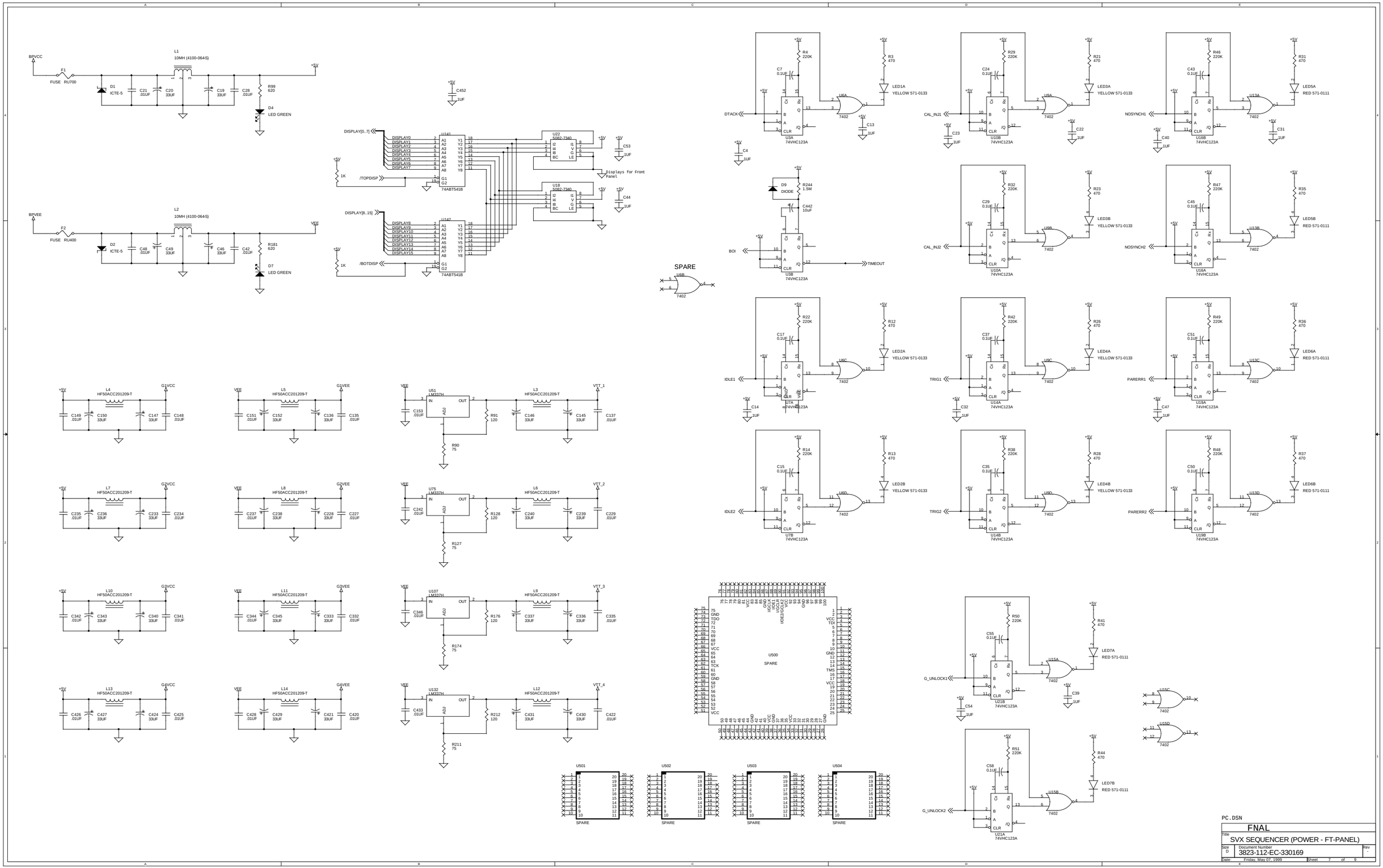
BPVCC
F1
FUSE RU700
L1
10MH (4100-064-S)
D1
ICTE-5
C21 .01UF
C20 33UF
C19 33UF
C28 .01UF
R99 620
D4
LED GREEN
BPVEE
F2
FUSE RU400
L2
10MH (4100-064-S)
D2
ICTE-5
C48 .01UF
C49 33UF
C46 33UF
C42 .01UF
R181 620
D7
LED GREEN
C452 1UF
DISPLAY[0..7]
DISPLAY[8..15]
/TOPDISP
/BOTDISP
1K
U141
U142
74ABT541B
U22 5082-7340
U18 5082-7340
Displays for Front Panel
C53 1UF
C44 1UF
SPARE
U6B
7402
L4 HF50ACC201209-T
L5 HF50ACC201209-T
L3 HF50ACC201209-T
L7 HF50ACC201209-T
L8 HF50ACC201209-T
L6 HF50ACC201209-T
L10 HF50ACC201209-T
L11 HF50ACC201209-T
L9 HF50ACC201209-T
L13 HF50ACC201209-T
L14 HF50ACC201209-T
L12 HF50ACC201209-T
G1VCC
G1VEE
G2VCC
G2VEE
G3VCC
G3VEE
G4VCC
G4VEE
VTT_1
VTT_2
VTT_3
VTT_4
U51 LM337H
U75 LM337H
U107 LM337H
U132 LM337H
R91 120
R90 75
R128 120
R127 75
R176 120
R174 75
R212 120
R211 75
U500
SPARE
U501
U502
U503
U504
DTACK
CAL_INJ1
NOSYNCH1
D9 DIODE
R244 1.5M
C442 10UF
BOI
TIMEOUT
CAL_INJ2
NOSYNCH2
IDLE1
TRIG1
PARERR1
IDLE2
TRIG2
PARERR2
U6A
U6C
U6D
U9A
U9C
U9D
U13A
U13C
U13D
U7A
U7B
U10A
U10B
U14A
U14B
U16A
U16B
U19A
U19B
74VHC123A
LED1A YELLOW 571-0133
LED2A YELLOW 571-0133
LED2B YELLOW 571-0133
LED3A YELLOW 571-0133
LED3B YELLOW 571-0133
LED4A YELLOW 571-0133
LED4B YELLOW 571-0133
LED5A RED 571-0111
LED5B RED 571-0111
LED6A RED 571-0111
LED6B RED 571-0111
G_UNLOCK1
G_UNLOCK2
U15A
U15B
U21A
U21B
LED7A RED 571-0111
LED7B RED 571-0111
U15C
U15D
PC.DSN
FNAL
Title
SVX SEQUENCER (POWER - FT-PANEL)
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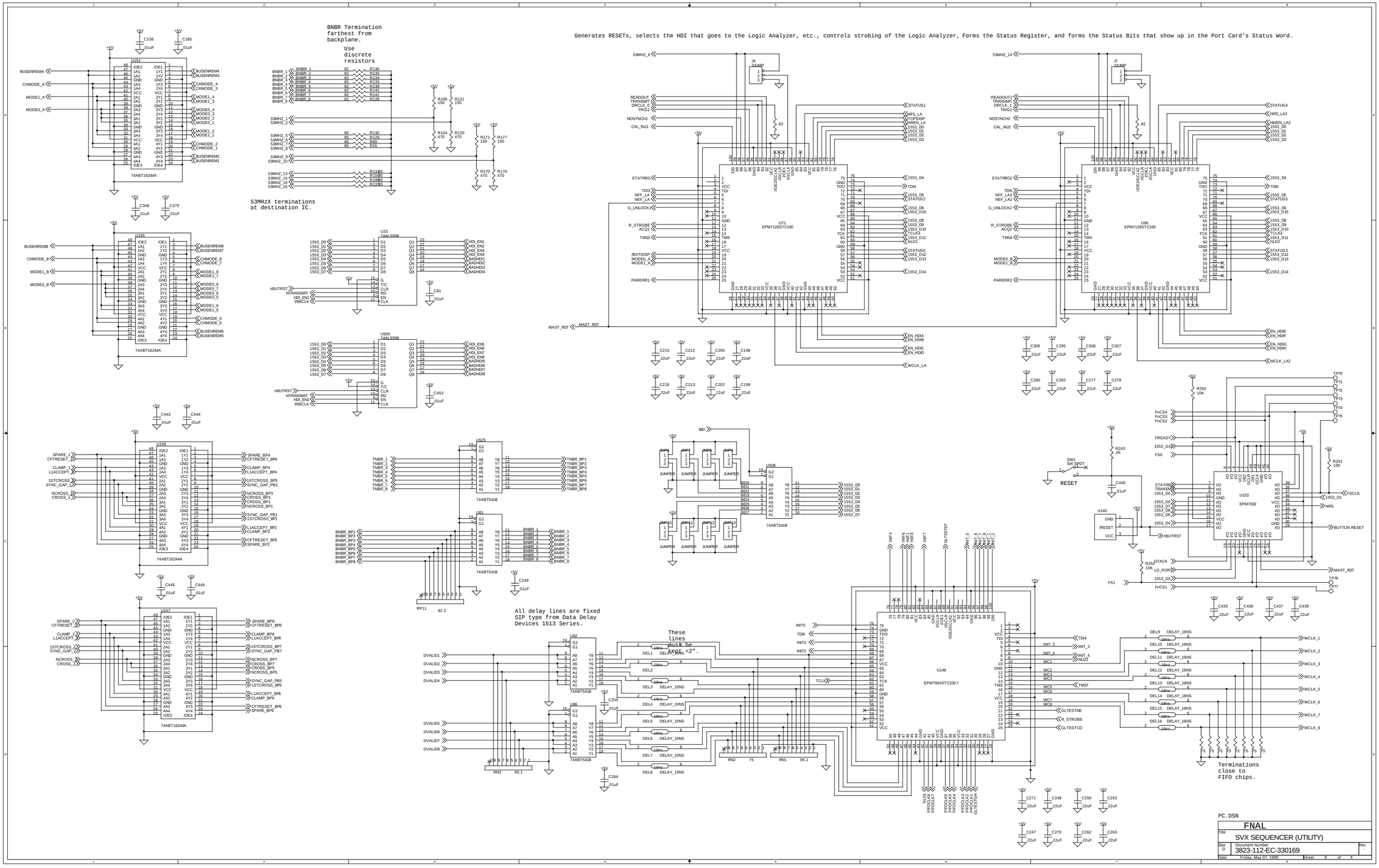
BNBR Termination farthest from backplane.
Use discrete resistors
53MHz terminations at destination IC.
Generates RESETs, selects the HDI that goes to the Logic Analyzer, etc., controls strobing of the Logic Analyzer, Forms the Status Register, and forms the Status Bits that show up in the Port Card's Status Word.
U71 EPM7128STC100
U96 EPM7128STC100
U153 EPM7032
U148 EPM7064STC100-7
74ABT16244A
74ALS996
74ABT541B
RESET
All delay lines are fixed SIP type from Data Delay Devices 1513 Series.
These lines must be kept <2".
Terminations close to FIFO chips.
PC.DSN
FNAL
SVX SEQUENCER (UTILITY)
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