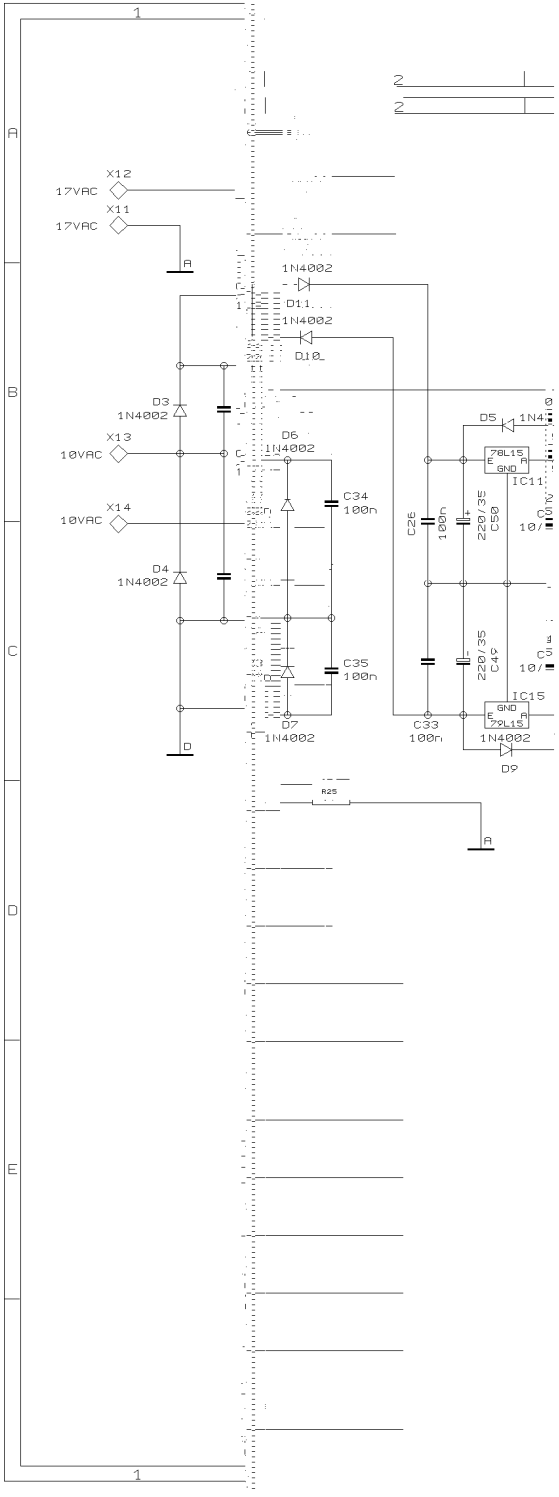
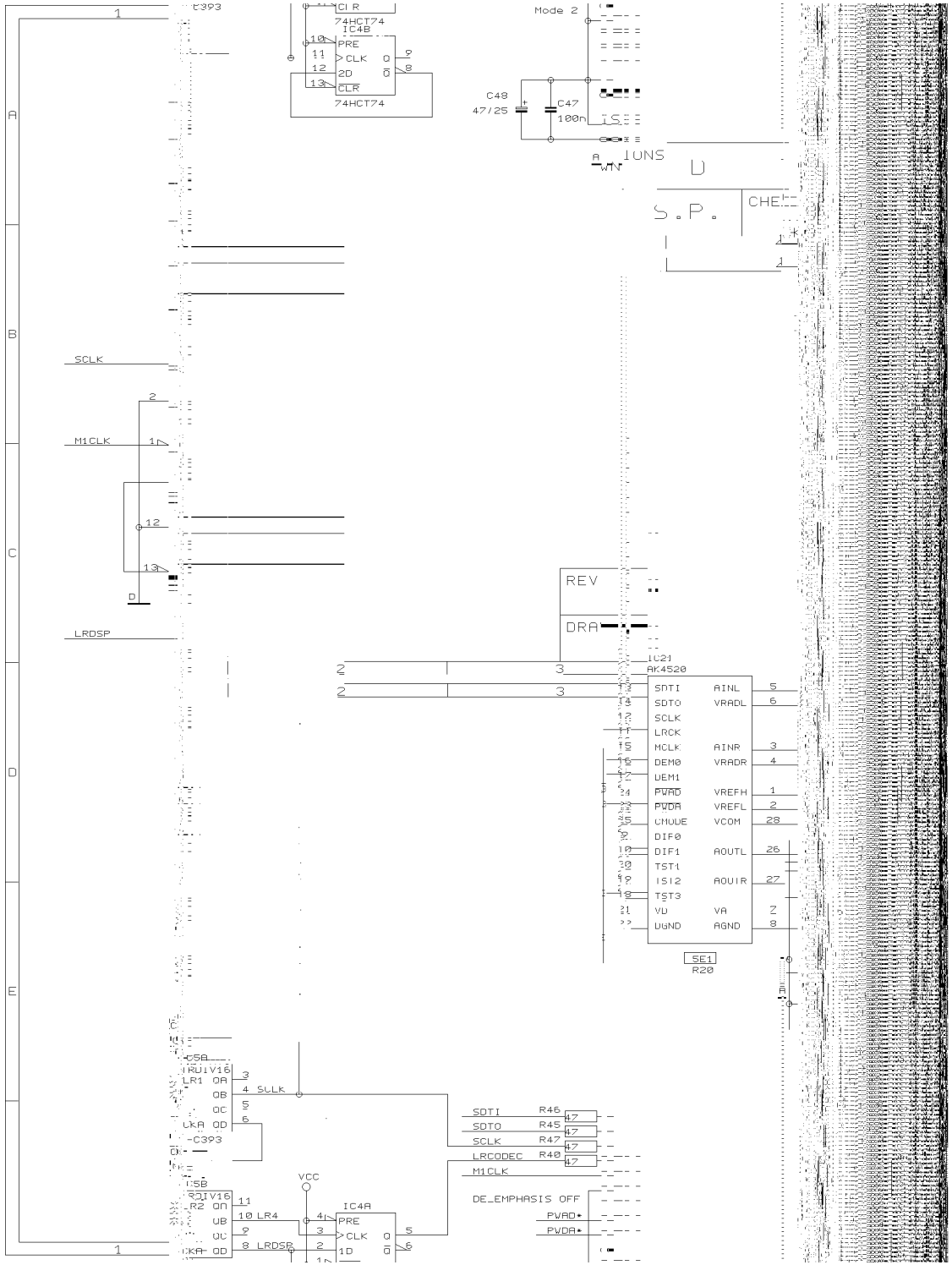
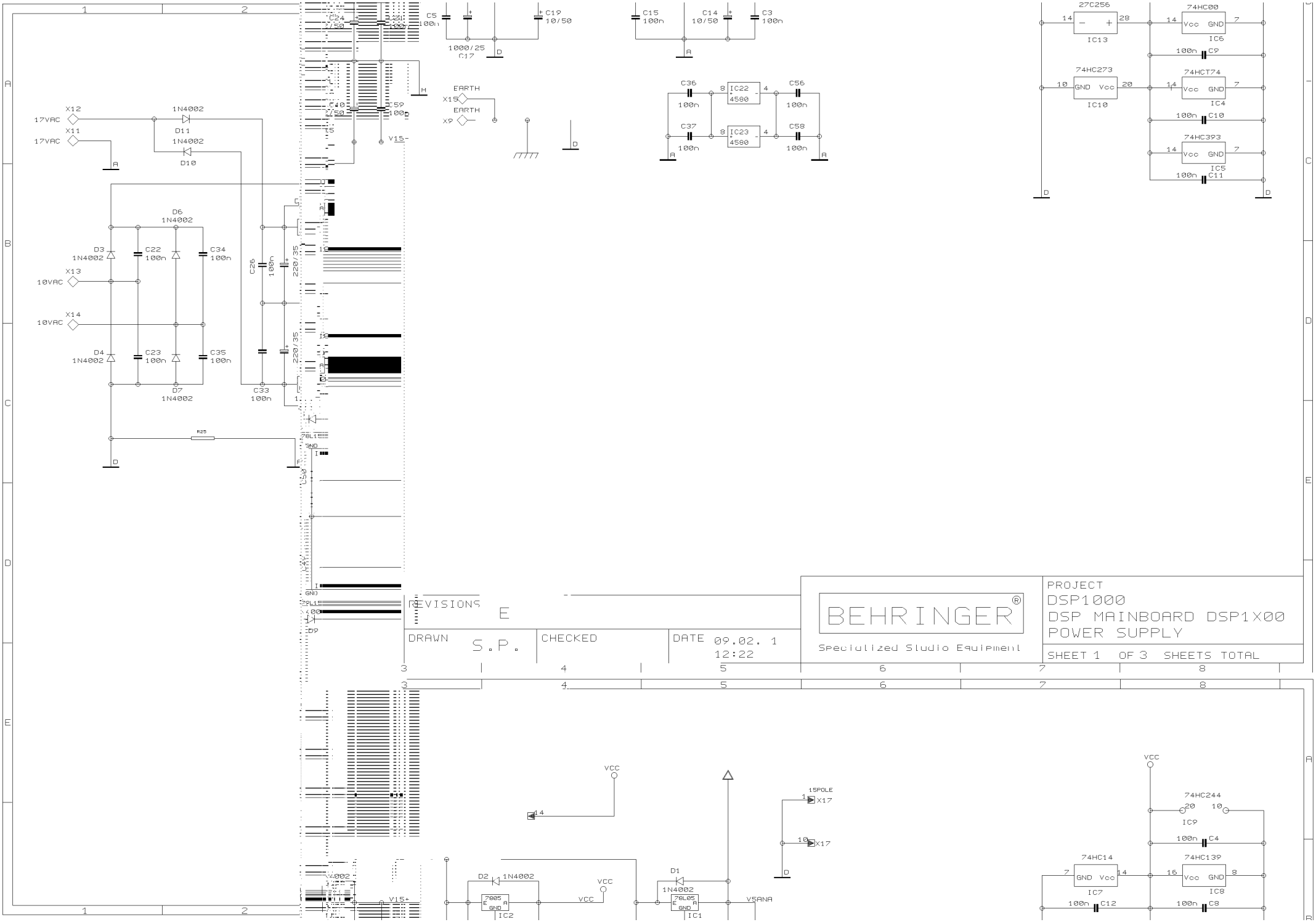
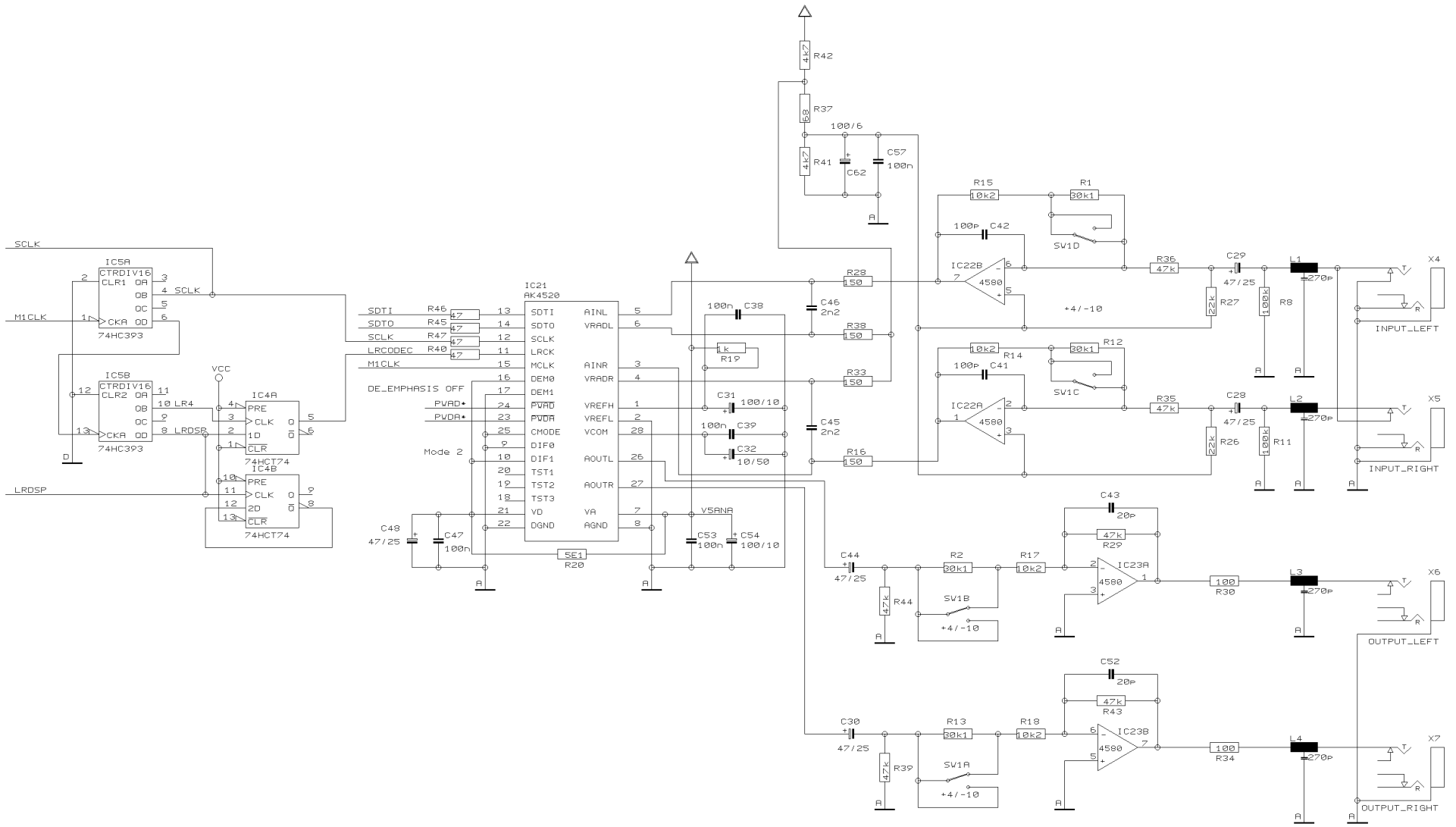

X12
17VAC
X11
17VAC
1N4002
D11
1N4002
D10
D3
1N4002
X13
10VAC
X14
10VAC
D4
1N4002
D6
1N4002
C34
100n
C35
100n
D7
1N4002
C26
100n
220/35
C50
78L15
GND
IC11
C33
100n
1N4002
D9
GND
79L15
IC15
R25


C393
74HCT74
IC4B
PRE
CLK
2D
CLR
Mode 2
C48
47/25
C47
100n
SCLK
M1CLK
LRDSP
REV
DRA
IC21
AK4520
SDTI
SDTO
SCLK
LRCK
MCLK
DEM0
DEM1
PWAD
PWDA
CMODE
DIF0
DIF1
TST1
TST3
VD
DGND
AINL
VRADL
AINR
VRADR
VREFH
VREFL
VCOM
AOUTL
AOUTR
VA
AGND
SE1
R20
SDTI R46 47
SDTO R45 47
SCLK R47 47
LRCODEC R40 47
M1CLK
DE_EMPHASIS OFF
PWAD*
PWDA*
VCC
IC4A
LR4
LRDSP


X12
17VAC
X11
17VAC
1N4002
D11
1N4002
D10
D6
1N4002
D3
1N4002
C22
100n
C34
100n
X13
10VAC
X14
10VAC
D4
1N4002
C23
100n
C35
100n
D7
1N4002
C26
100n
C33
100n
220/35
R25
78L15
GND
C5
100n
C24
2/50
C19
10/50
1000/25
C17
C40
2/50
C59
100n
EARTH
X15
EARTH
X9
V15-
C15
100n
C14
10/50
C3
100n
C36
100n
IC22
4580
C56
100n
C37
100n
IC23
4580
C58
100n
27C256
IC13
74HC00
IC6
C9
100n
74HC273
IC10
74HCT74
IC4
C10
100n
74HC393
IC5
C11
100n
REVISIONS
E
DRAWN
S.P.
CHECKED
DATE 09.02. 1
12:22
BEHRINGER®
Specialized Studio Equipment
PROJECT
DSP1000
DSP MAINBOARD DSP1X00
POWER SUPPLY
SHEET 1 OF 3 SHEETS TOTAL
VCC
14
15POLE
X17
X17
D2
1N4002
7805
GND
IC2
VCC
VCC
D1
1N4002
78L05
GND
IC1
VSANA
V15+
74HC244
IC9
C4
100n
74HC14
IC7
74HC139
IC8
C12
100n
C8
100n



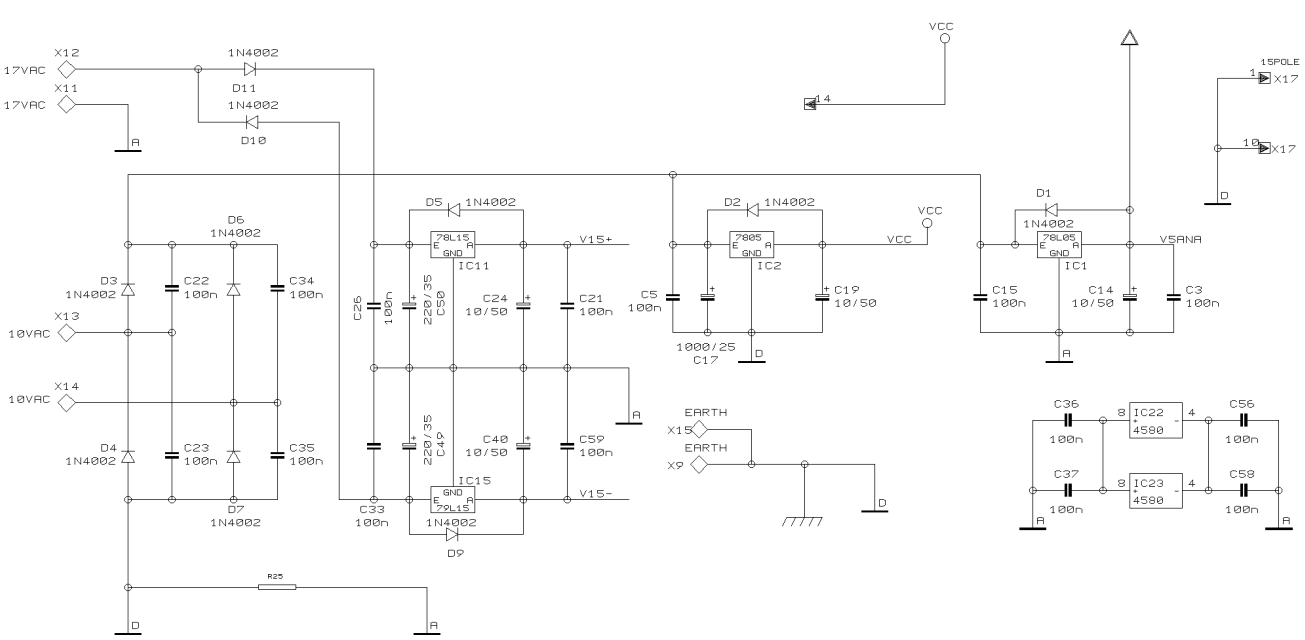
REVISIONS E			
DRAWN S.P.	CHECKED	DATE 09.02. 1 12:22	

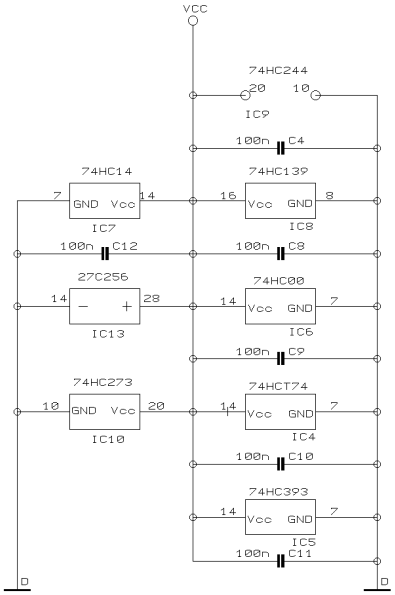
BEHRINGER®
Specialized Studio Equipment

PROJECT
DSP1000
DSP MAINBOARD DSP1X00
IN/OUT SECTION

SHEET 2 OF 3 SHEETS TOTAL

1
A
B
C
D
E
X3
X1
X2
1



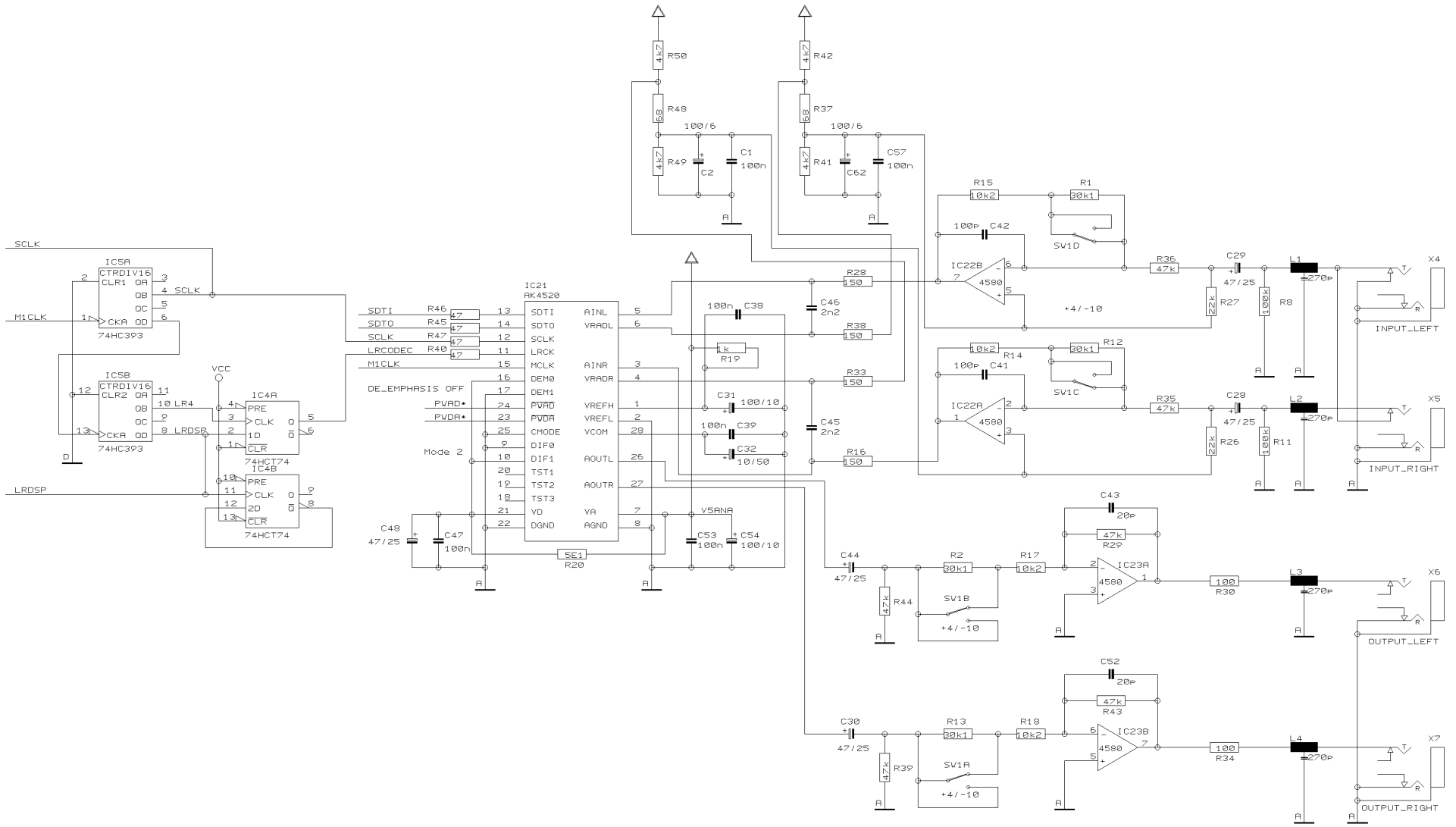


REVISIONS F			
DRAWN S.P.	CHECKED	DATE 09.02. 1 12:23	

BEHRINGER®
Specialized Studio Equipment

PROJECT
DSP1000
DSP MAINBOARD DSP1X00
POWER SUPPLY

SHEET 1 OF 3 SHEETS TOTAL

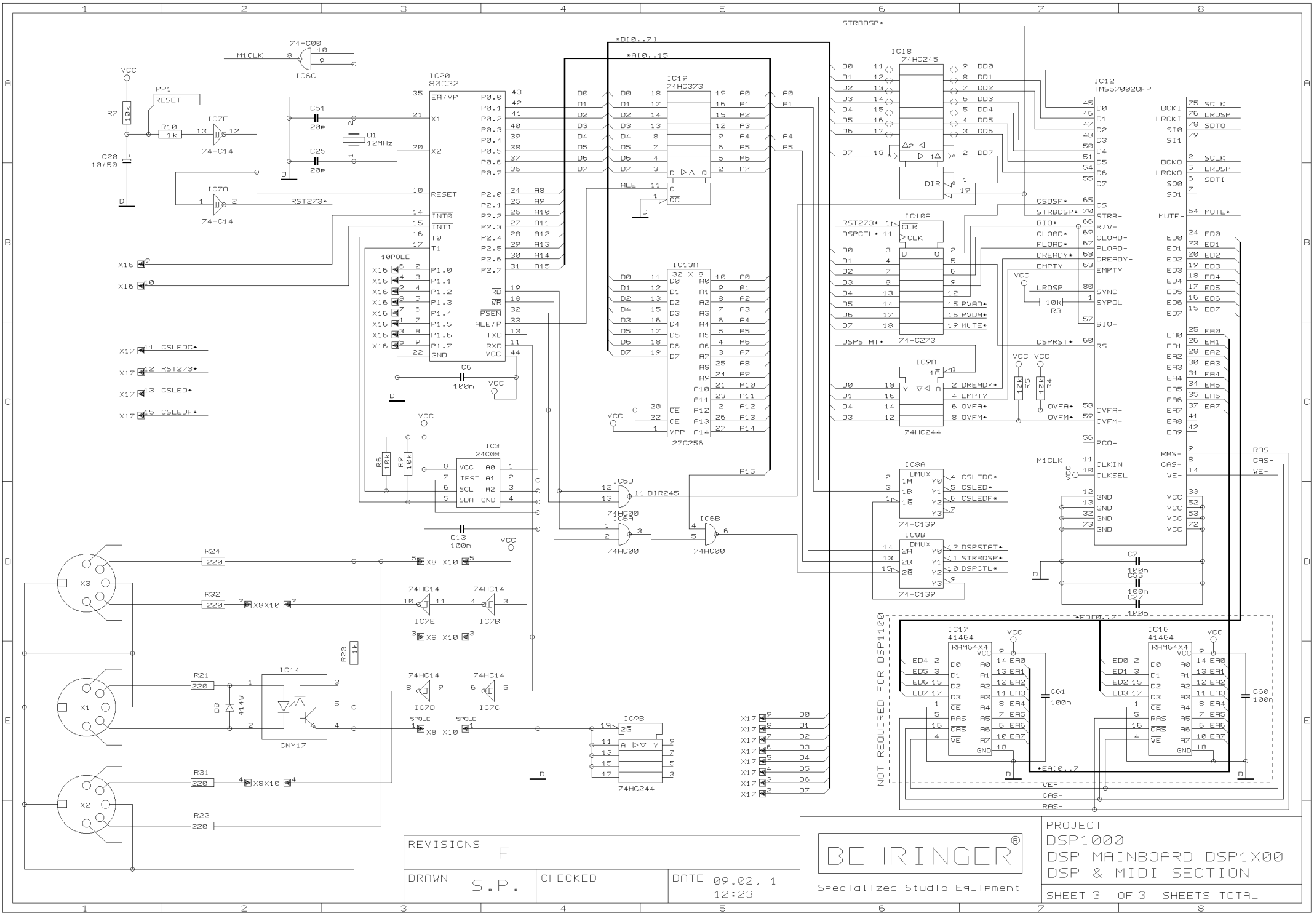


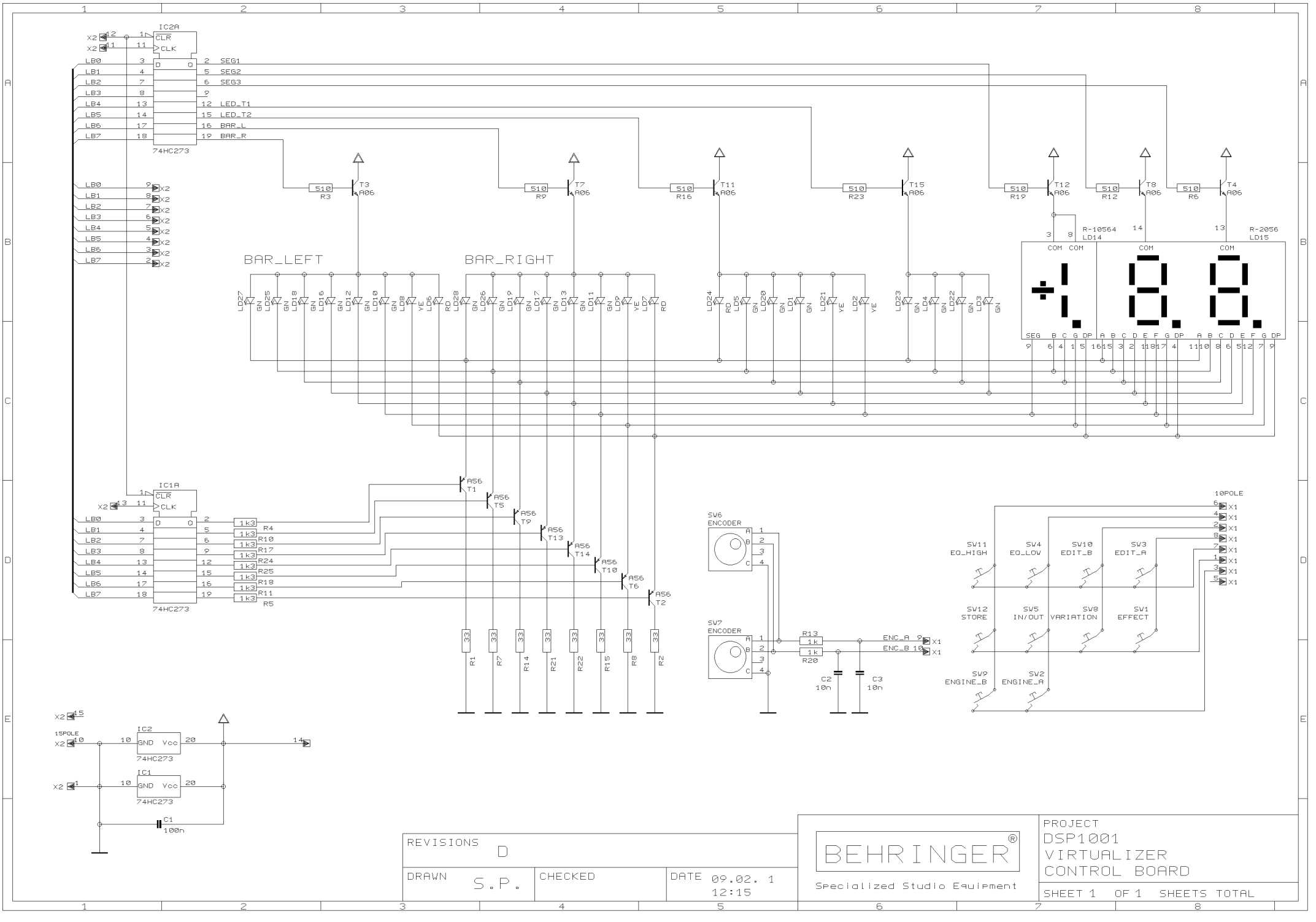
REVISIONS F			
DRAWN S.P.	CHECKED	DATE 09.02. 1 12:23	

BEHRINGER®
Specialized Studio Equipment

PROJECT
DSP1000
DSP MAINBOARD DSP1X00
IN/OUT SECTION

SHEET 2 OF 3 SHEETS TOTAL


IC20 80C32
IC19 74HC373
IC13A 32 X 8
27C256
IC18 74HC245
IC12 TMS570020FP
IC10A
IC9A
IC8A
IC8B
74HC139
74HC244
IC3 24C08
IC6A
IC6B
IC6D
74HC00
IC7A
IC7B
IC7C
IC7D
IC7E
74HC14
IC9B
IC14
CNY17
IC17 41464
IC16 41464
RAM64X4
NOT REQUIRED FOR DSP1100
M1CLK
RESET
STRBDSP*
*D[0..7]
*A[0..15]
*ED[0..7]
*EA[0..7]
RST273*
DSPCTL*
DSPSTAT*
CSDSP*
DSPRST*
DREADY*
EMPTY
OVFA*
OVFM*
PVAD*
PVDA*
MUTE*
DIR245
CSLEDC*
CSLED*
CSLEDF*
SCLK
LRDSP
SDTO
SDTI
BCKI
LRCKI
SI0
SI1
BCKO
LRCKO
SO0
SO1
RAS-
CAS-
WE-
Q1 12MHz
C51 20P
C25 20P
C20 10/50
C6 100n
C13 100n
C7 100n
C55 100n
C27 100n
C61 100n
C60 100n
R7 10k
R10 1k
R23 1k
R3 10k
R4 10k
R5 10k
R6 10k
R9 10k
R21 220
R22 220
R24 220
R31 220
R32 220
D8 4148
X1
X2
X3
SPOLE
REVISIONS F
DRAWN S.P.
CHECKED
DATE 09.02. 1 12:23
BEHRINGER®
Specialized Studio Equipment
PROJECT
DSP1000
DSP MAINBOARD DSP1X00
DSP & MIDI SECTION
SHEET 3 OF 3 SHEETS TOTAL

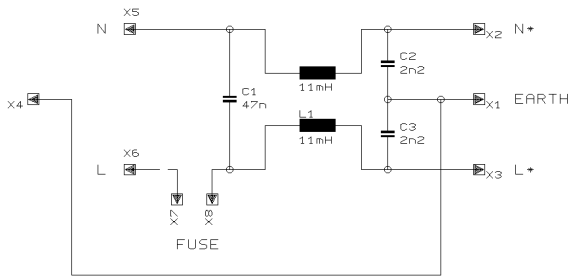


REVISIONS	D		
DRAWN	S.P.	CHECKED	DATE 09.02. 1 12:15

BEHRINGER®
Specialized Studio Equipment

PROJECT
DSP1001
VIRTUALIZER
CONTROL BOARD

SHEET 1 OF 1 SHEETS TOTAL

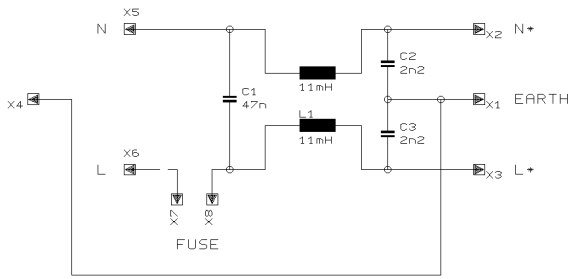


REVISIONS A			
DRAWN UB	CHECKED	DATE 09.02. 1 12:19	

BEHRINGER®
Specialized Studio Equipment

PROJECT
EMI
EMI FILTER
SCHEMATICS

SHEET 1 OF 1 SHEETS TOTAL

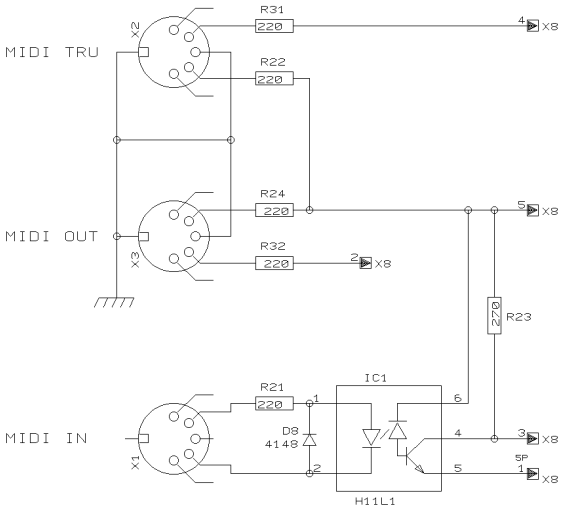


REVISIONS B			
DRAWN UB	CHECKED	DATE 09.02. 1 12:19	

BEHRINGER®
Specialized Studio Equipment

PROJECT
EMI
EMI FILTER
SCHEMATICS

SHEET 1 OF 1 SHEETS TOTAL



PROJECT
MIDI CE
MIDI INTERFACE:
DSP24X00

SHEET 1 OF 1 SHEETS TOTAL

REVISIONS	H		
DRAWN	S.P.	CHECKED	DATE 09.02. 1 12:20

BEHRINGER®

Specialized Studio Equipment