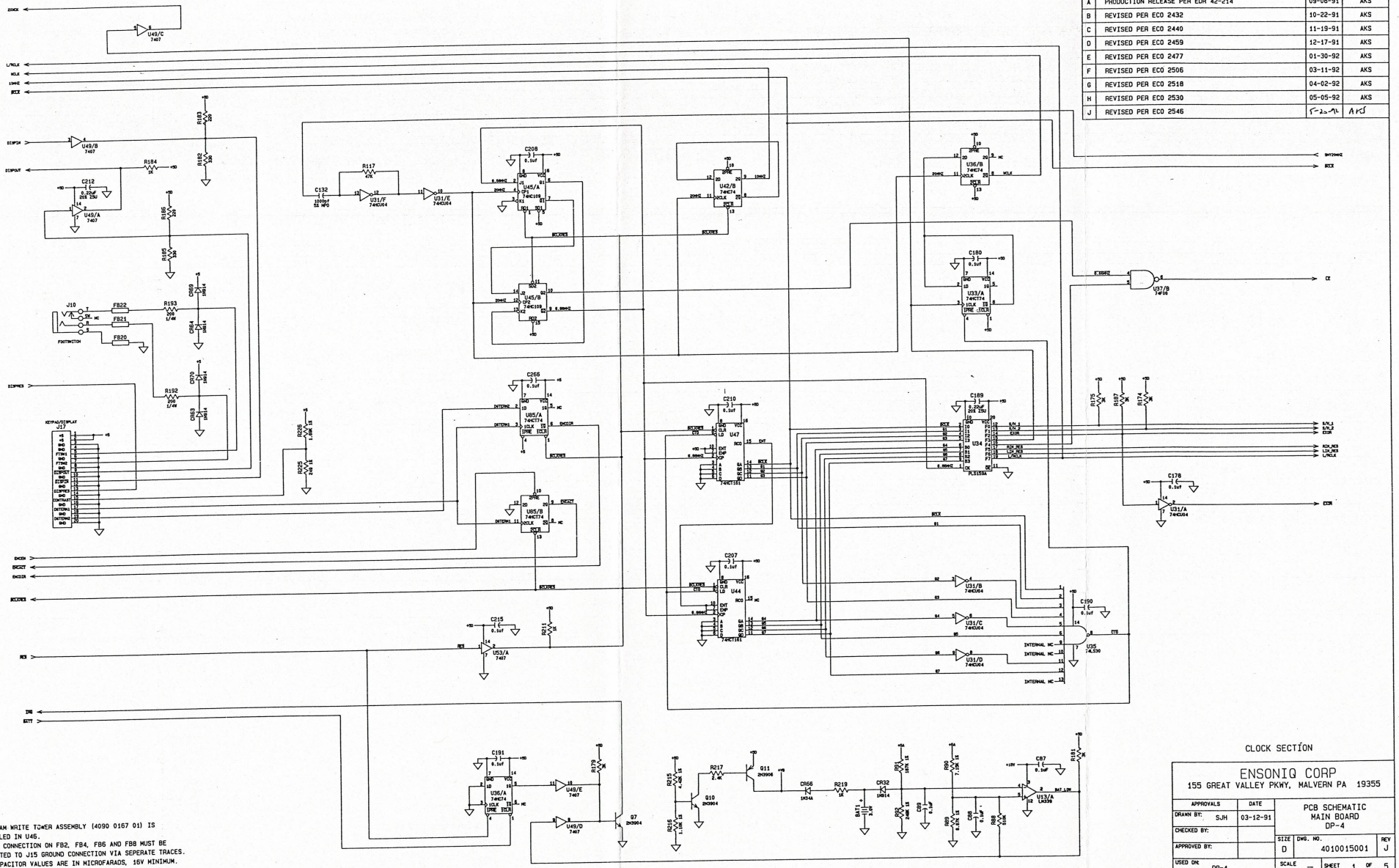


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	PROTOTYPE RELEASE	03-12-91	TM
2	PROTOTYPE RELEASE	06-13-91	AKS
3	PROTOTYPE RELEASE	08-26-91	AKS
A	PRODUCTION RELEASE PER EDR 42-214	09-06-91	AKS
B	REVISED PER ECO 2432	10-22-91	AKS
C	REVISED PER ECO 2440	11-19-91	AKS
D	REVISED PER ECO 2459	12-17-91	AKS
E	REVISED PER ECO 2477	01-30-92	AKS
F	REVISED PER ECO 2506	03-11-92	AKS
G	REVISED PER ECO 2518	04-02-92	AKS
H	REVISED PER ECO 2530	05-05-92	AKS
J	REVISED PER ECO 2546	5-2-94	AKS

4. ESP DRAM WRITE TOWER ASSEMBLY (4090 0167 01) IS INSTALLED IN U46.
3. GROUND CONNECTION ON FB2, FB4, FB6 AND FB8 MUST BE CONNECTED TO J15 GROUND CONNECTION VIA SEPERATE TRACES.
2. ALL CAPACITOR VALUES ARE IN MICROFARADS, 16V MINIMUM.
1. ALL RESISTOR VALUES ARE IN OHMS, 1/8W 5%.

NOTES - UNLESS SPECIFIED OTHERWISE:

CLOCK SECTION

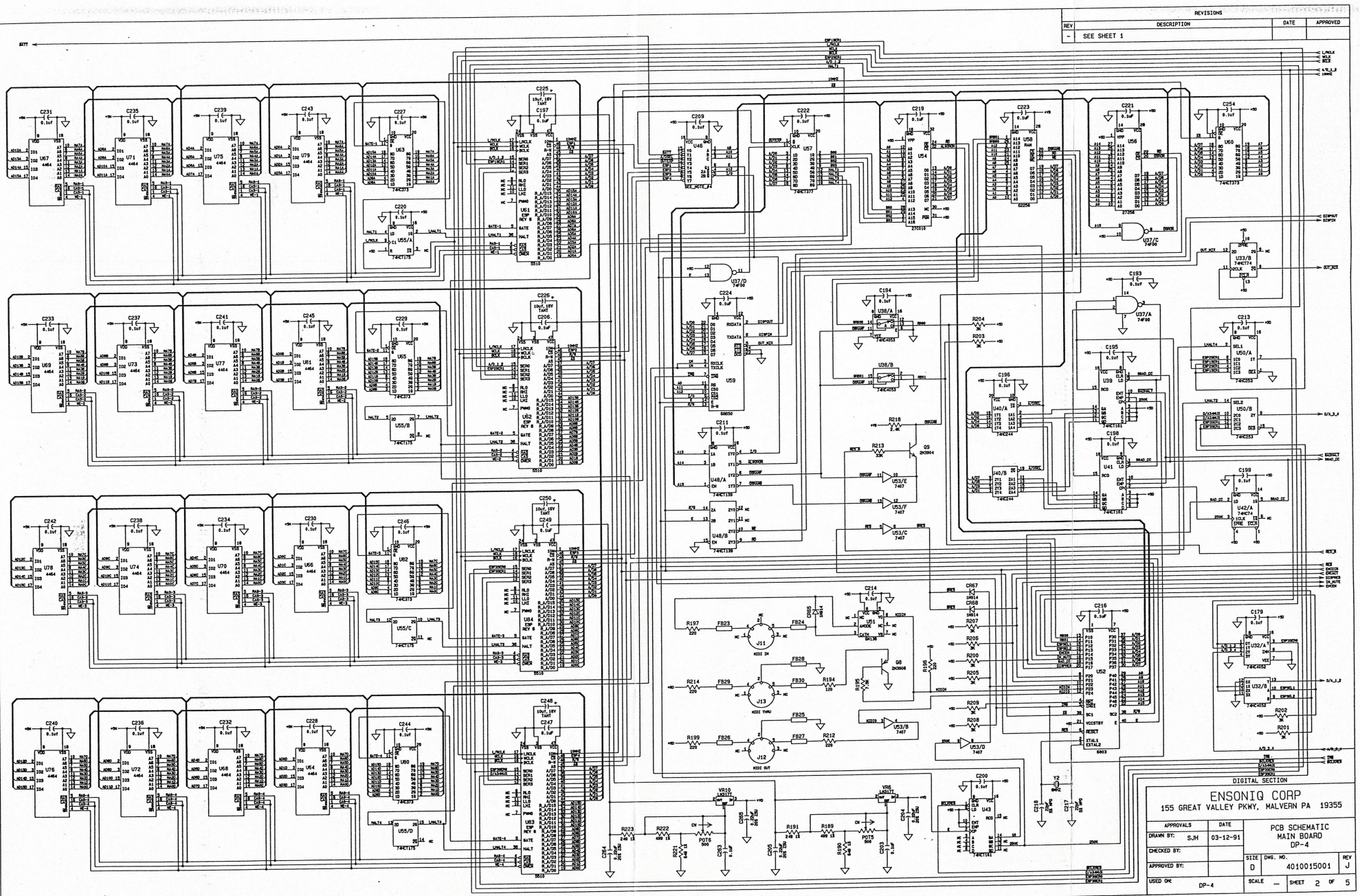
ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE
DRAWN BY: SJH	03-12-91
CHECKED BY:	
APPROVED BY:	
USED ON: DP-4	

PCB SCHEMATIC
MAIN BOARD
DP-4

SIZE	DWG. NO.	REV
D	4010015001	J

SCALE — SHEET 1 OF 5

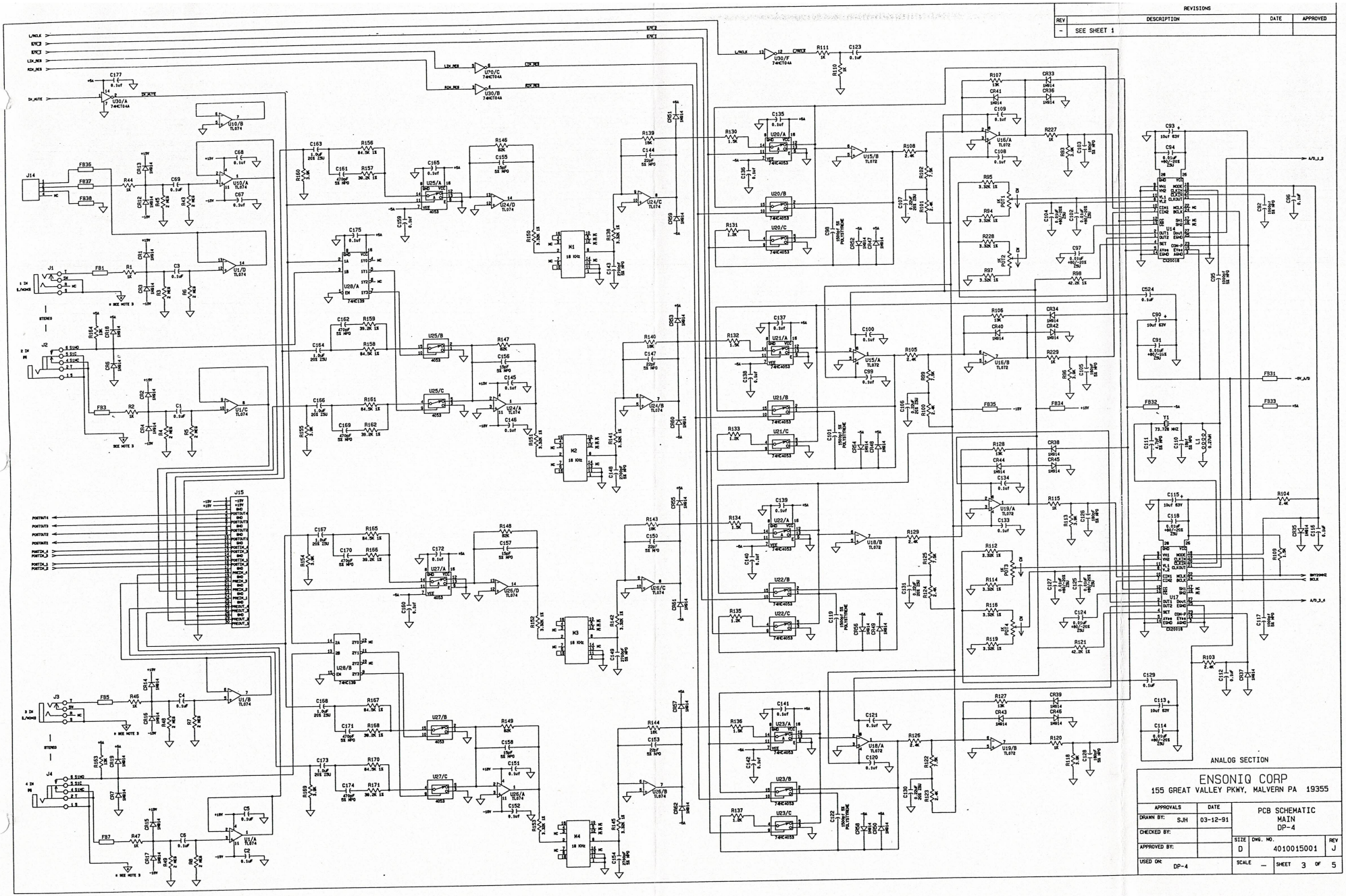


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	SEE SHEET 1		

DIGITAL SECTION

ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE	PCB SCHEMATIC MAIN BOARD DP-4	
DRAWN BY: SJH	03-12-91		
CHECKED BY:			
APPROVED BY:		SIZE D	DWG. NO. 4010015001 REV J
USED ON: DP-4		SCALE —	SHEET 2 OF 5



REVISIONS

REV	DESCRIPTION	DATE	APPROVED
-	SEE SHEET 1		

ANALOG SECTION

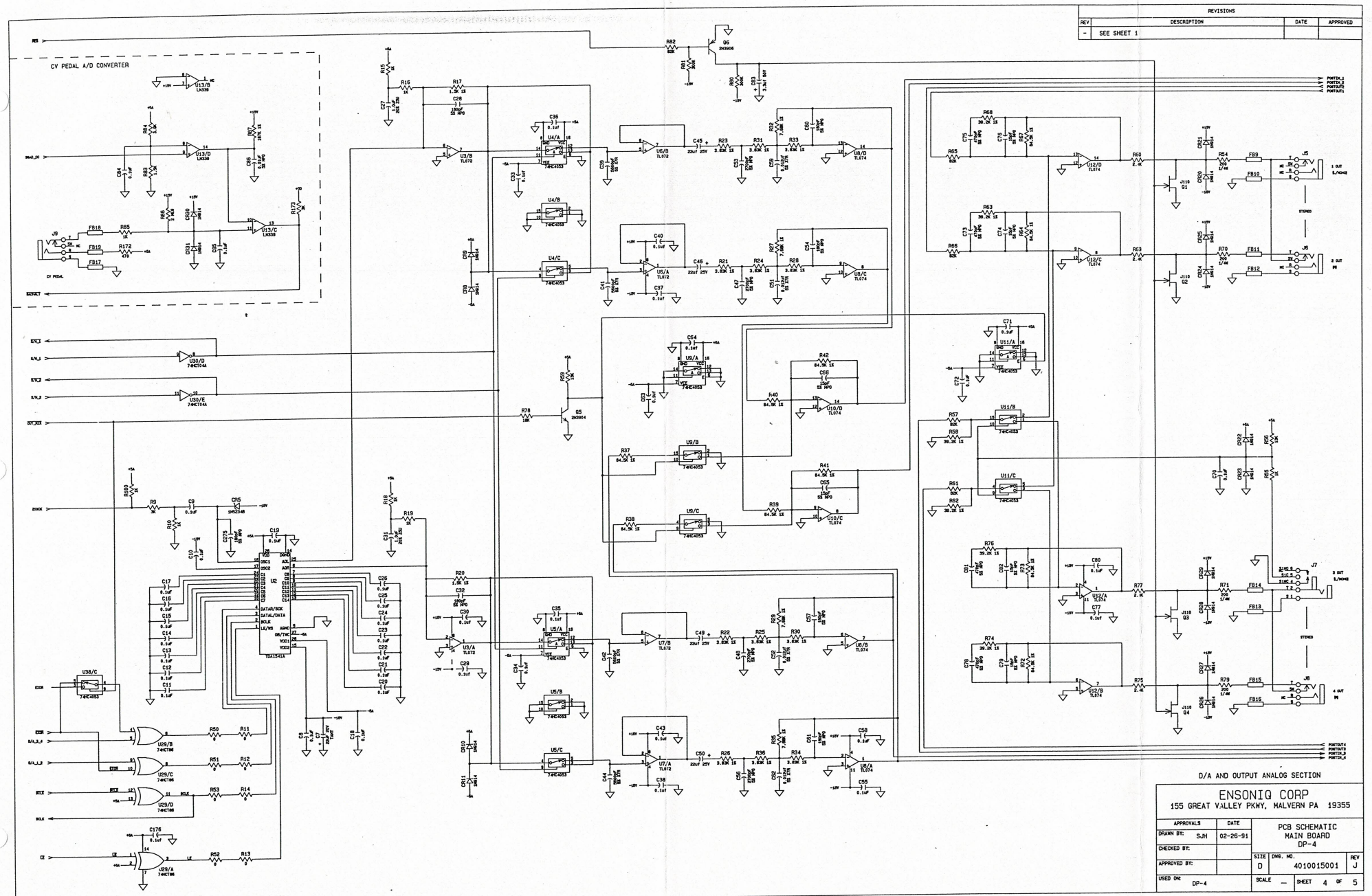
ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE
DRAWN BY: SJH	03-12-91
CHECKED BY:	
APPROVED BY:	
USED ON: DP-4	

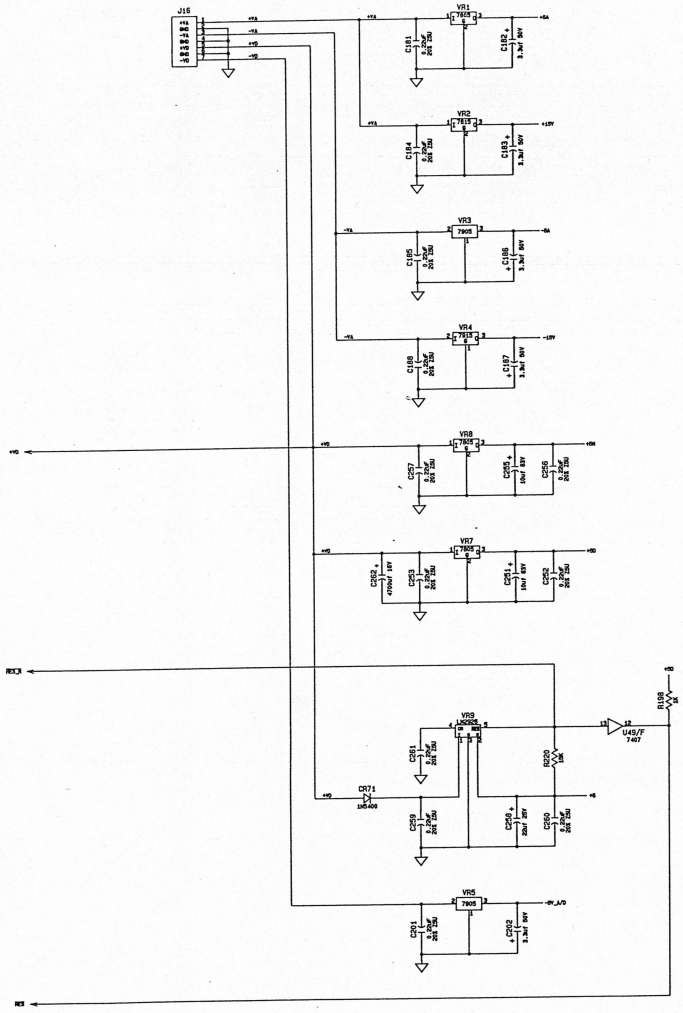
PCB SCHEMATIC
MAIN
DP-4

SIZE	DWG. NO.	REV
D	4010015001	J

SCALE – SHEET 3 OF 5


REVISIONS
REV
DESCRIPTION
DATE
APPROVED
- SEE SHEET 1
CV PEDAL A/D CONVERTER
D/A AND OUTPUT ANALOG SECTION
ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355
APPROVALS
DATE
DRAWN BY: SJH 02-26-91
CHECKED BY:
APPROVED BY:
USED ON: DP-4
PCB SCHEMATIC
MAIN BOARD
DP-4
SIZE D
DWG. NO. 4010015001
REV J
SCALE —
SHEET 4 OF 5

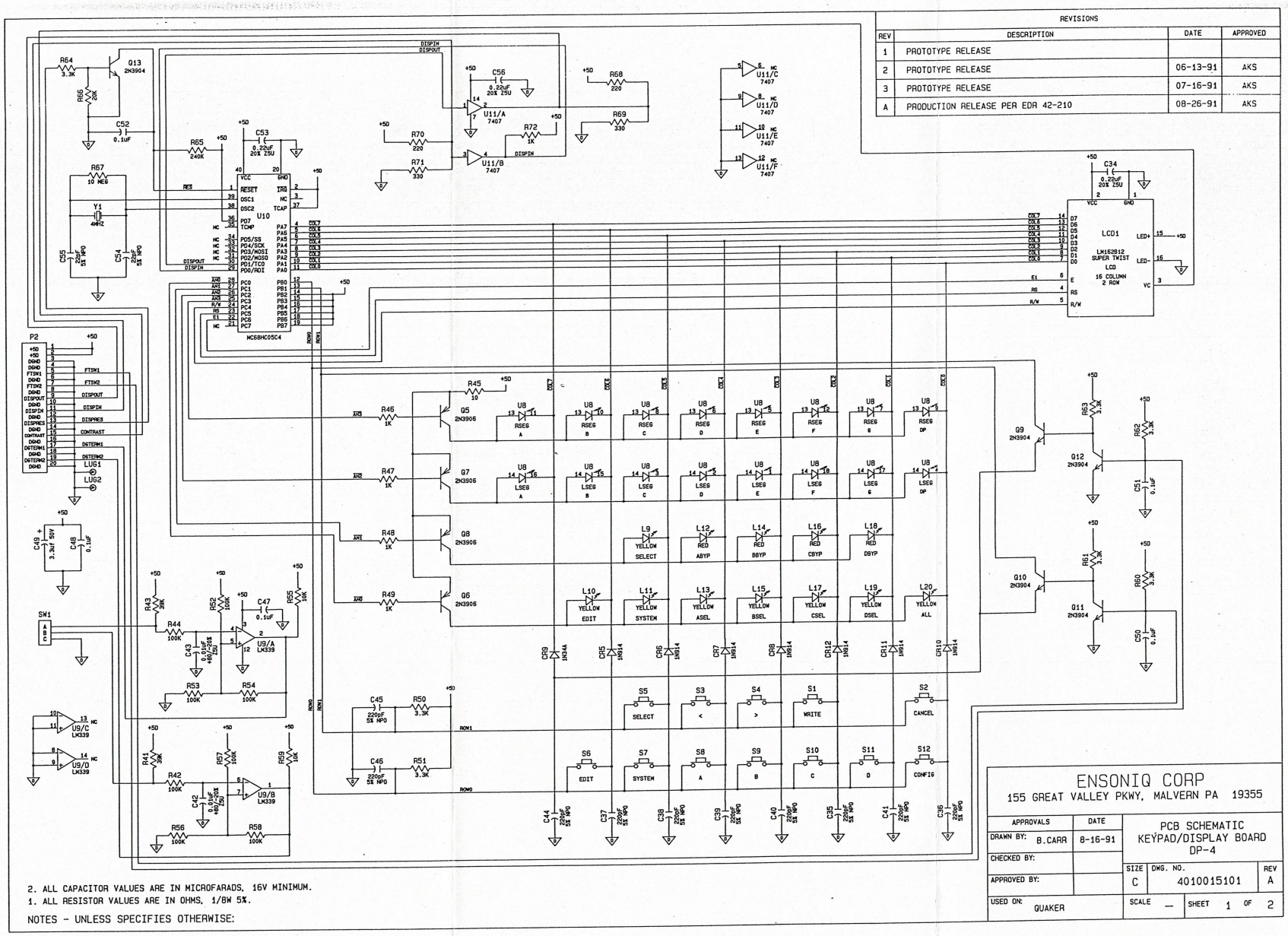
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	SEE SHEET 1		



POWER SUPPLY SECTION

ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE	PCB SCHEMATIC MAIN BOARD DP-4	
DRAWN BY: SJH	03-27-91		
CHECKED BY:			
APPROVED BY:		SIZE D / DWG NO. 4010015001	REV J
USED ON: DP-4		SCALE — / SHEET 5 OF 5	



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	PROTOTYPE RELEASE		
2	PROTOTYPE RELEASE	06-13-91	AKS
3	PROTOTYPE RELEASE	07-16-91	AKS
A	PRODUCTION RELEASE PER EDR 42-210	08-26-91	AKS

2. ALL CAPACITOR VALUES ARE IN MICROFARADS, 16V MINIMUM.
1. ALL RESISTOR VALUES ARE IN OHMS, 1/8W 5%.

NOTES - UNLESS SPECIFIES OTHERWISE:

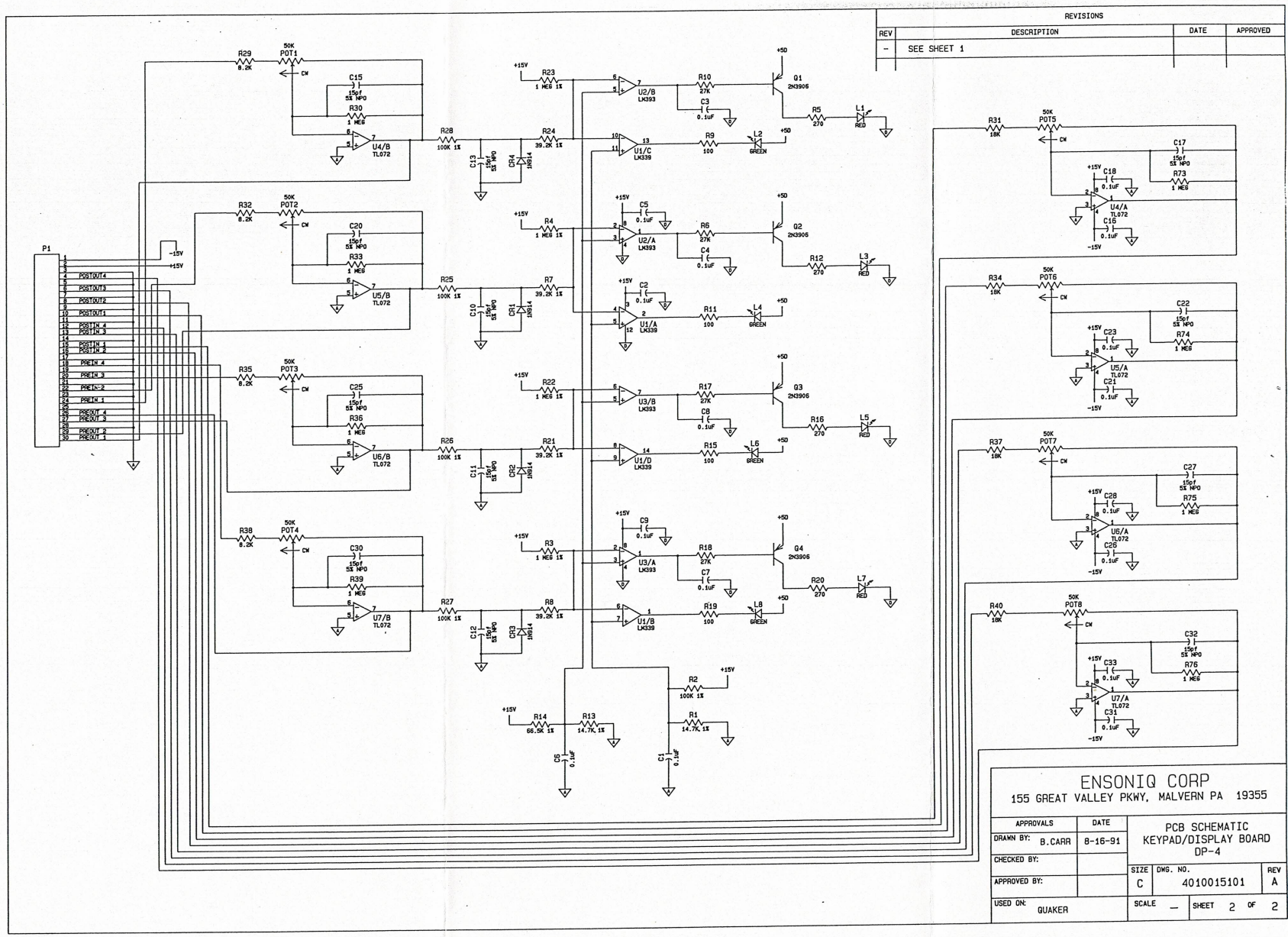
ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE
DRAWN BY: B.CARR	8-16-91
CHECKED BY:	
APPROVED BY:	
USED ON: QUAKER	

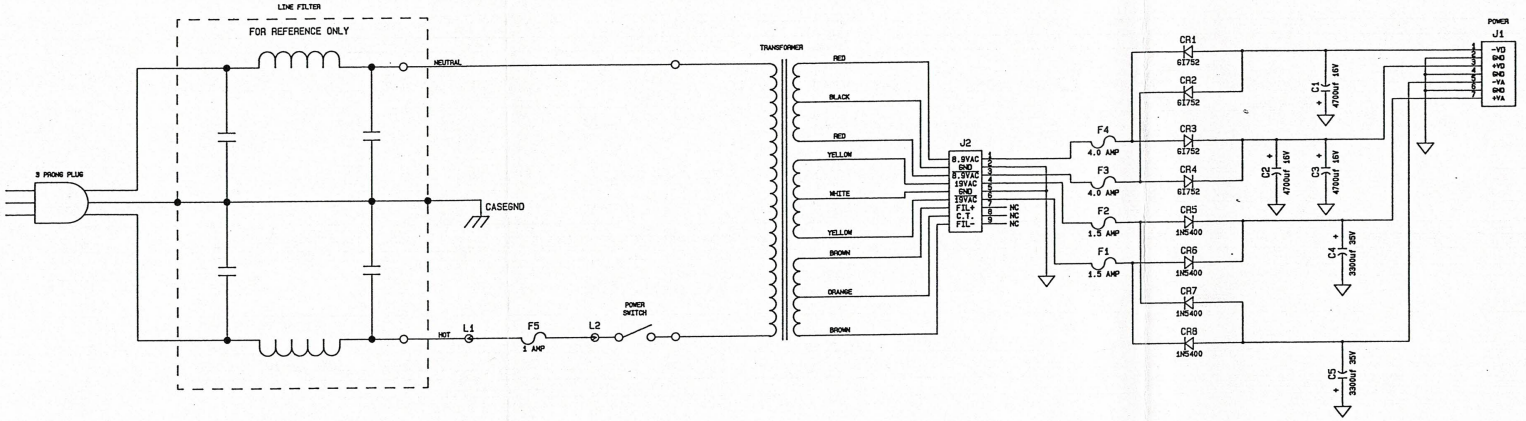
PCB SCHEMATIC
KEYPAD/DISPLAY BOARD
DP-4

SIZE	DWG. NO.	REV
C	4010015101	A

SCALE — SHEET 1 OF 2


REVISIONS
REV
DESCRIPTION
DATE
APPROVED
- SEE SHEET 1
P1
POSTOUT4
POSTOUT3
POSTOUT2
POSTOUT1
POSTIN_4
POSTIN_3
POSTIN_2
POSTIN_1
PREIN_4
PREIN_3
PREIN_2
PREIN_1
PREOUT_4
PREOUT_3
PREOUT_2
PREOUT_1
-15V
+15V
+5D
POT1
POT2
POT3
POT4
POT5
POT6
POT7
POT8
50K
CW
U2/B LM393
U1/C LM339
U4/B TL072
U2/A LM393
U1/A LM339
U5/B TL072
U3/B LM393
U1/D LM339
U6/B TL072
U3/A LM393
U1/B LM339
U7/B TL072
U4/A TL072
U5/A TL072
U6/A TL072
U7/A TL072
Q1 2N3906
Q2 2N3906
Q3 2N3906
Q4 2N3906
RED
GREEN
ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355
APPROVALS
DATE
DRAWN BY: B.CARR 8-16-91
CHECKED BY:
APPROVED BY:
USED ON: QUAKER
PCB SCHEMATIC
KEYPAD/DISPLAY BOARD
DP-4
SIZE C
DWG. NO. 4010015101
REV A
SCALE —
SHEET 2 OF 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	PROTOTYPE RELEASE	07-02-91	AKS
2	PROTOTYPE RELEASE	08-21-91	AKS
A	PRODUCTION RELEASE PER EDR 42-211	9-27-91	AKS



6. EARTH GROUND IS CONNECTED TO CHASSIS BY GROUND WIRE.
5. F5 IS 1.0 AMP 250V, 5 X 20MM.
4. F1 AND F2 ARE 1.5 AMP, 250V, 5 X 20MM.
3. F3 AND F4 ARE 4.0 AMP, 250V, 5 X 20MM.
2. ALL CAPACITOR VALUES ARE IN MICROFARADS, 25V MINIMUM.
1. ALL RESISTOR VALUES ARE IN OHMS, 1/4W 5%.

NOTES - UNLESS SPECIFIED OTHERWISE:

ENSONIQ CORP
155 GREAT VALLEY PKWY, MALVERN PA 19355

APPROVALS	DATE
DRAWN BY: B.CARR	8-20-91
CHECKED BY:	
APPROVED BY:	
USED ON: DP-4	

PCB SCHEMATIC
TRANSFORMER SECONDARY BOARD
DP-4

SIZE	DWG. NO.	REV
D	4010015201	A

SCALE — SHEET 1 OF 1