

ADAM™
Advanced Digital Audio Matrix
DRAWINGS MANUAL

AIO-FC-8

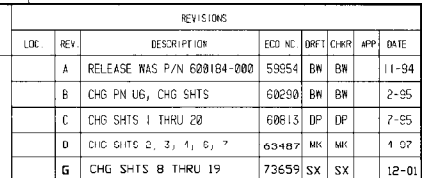
Eight-Channel
Analog Input/Output
Front Card

RTS™

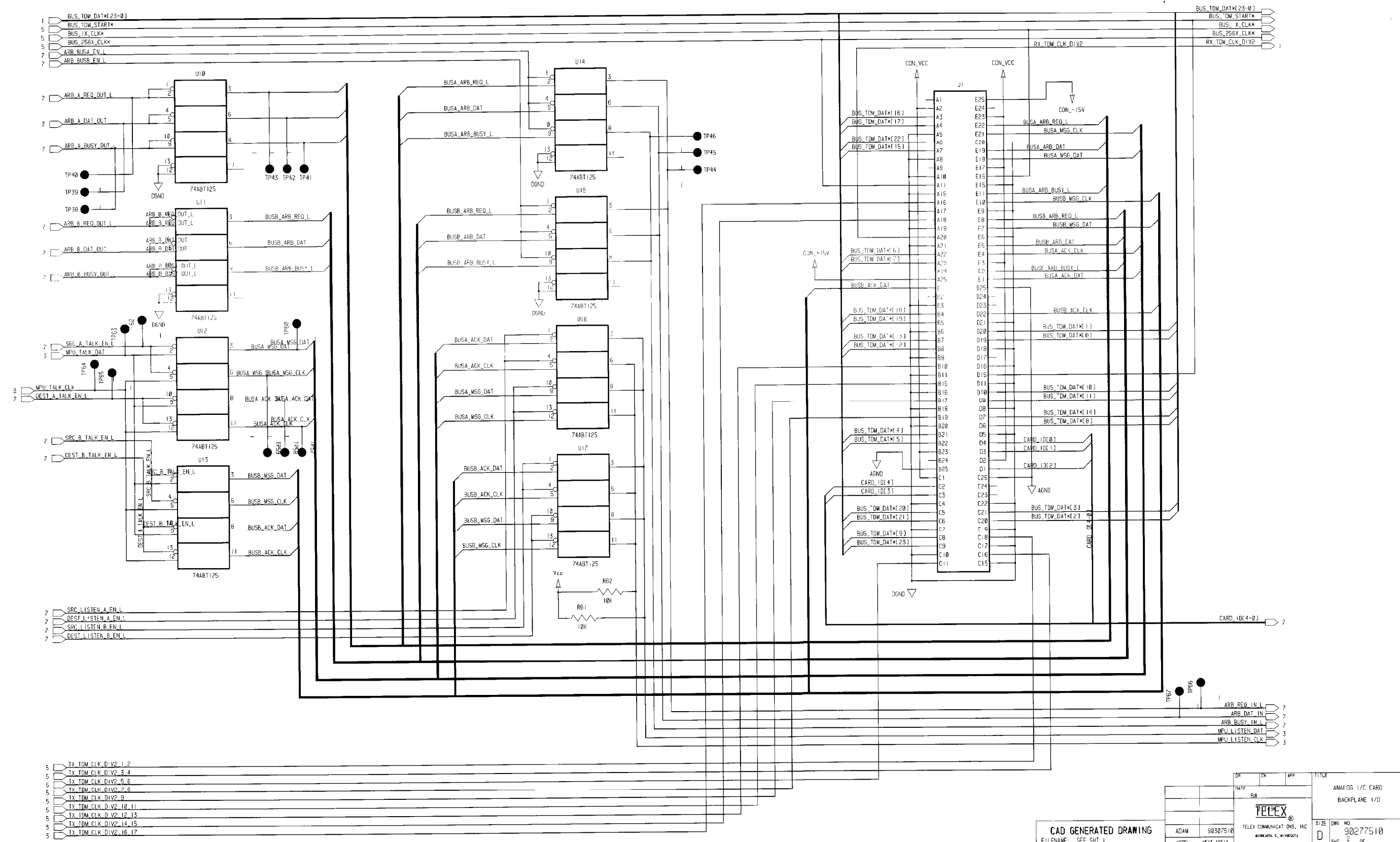
1. ALL RESISTORS TO BE OHMS, 1/8W, 5%, UNLESS OTHERWISE SPECIFIED.
2. ALL CAPACITORS TO BE UF UNLESS OTHERWISE SPECIFIED.
3. LAST REF DES USED: C824,D903,DS1,J5,L85,01,R814,SW2,TP804,U806,X4

▷ 5. NOT STUFFED FOR ADAM (000)

4 NOT STIFFEN FOR ADAM CS (-500)



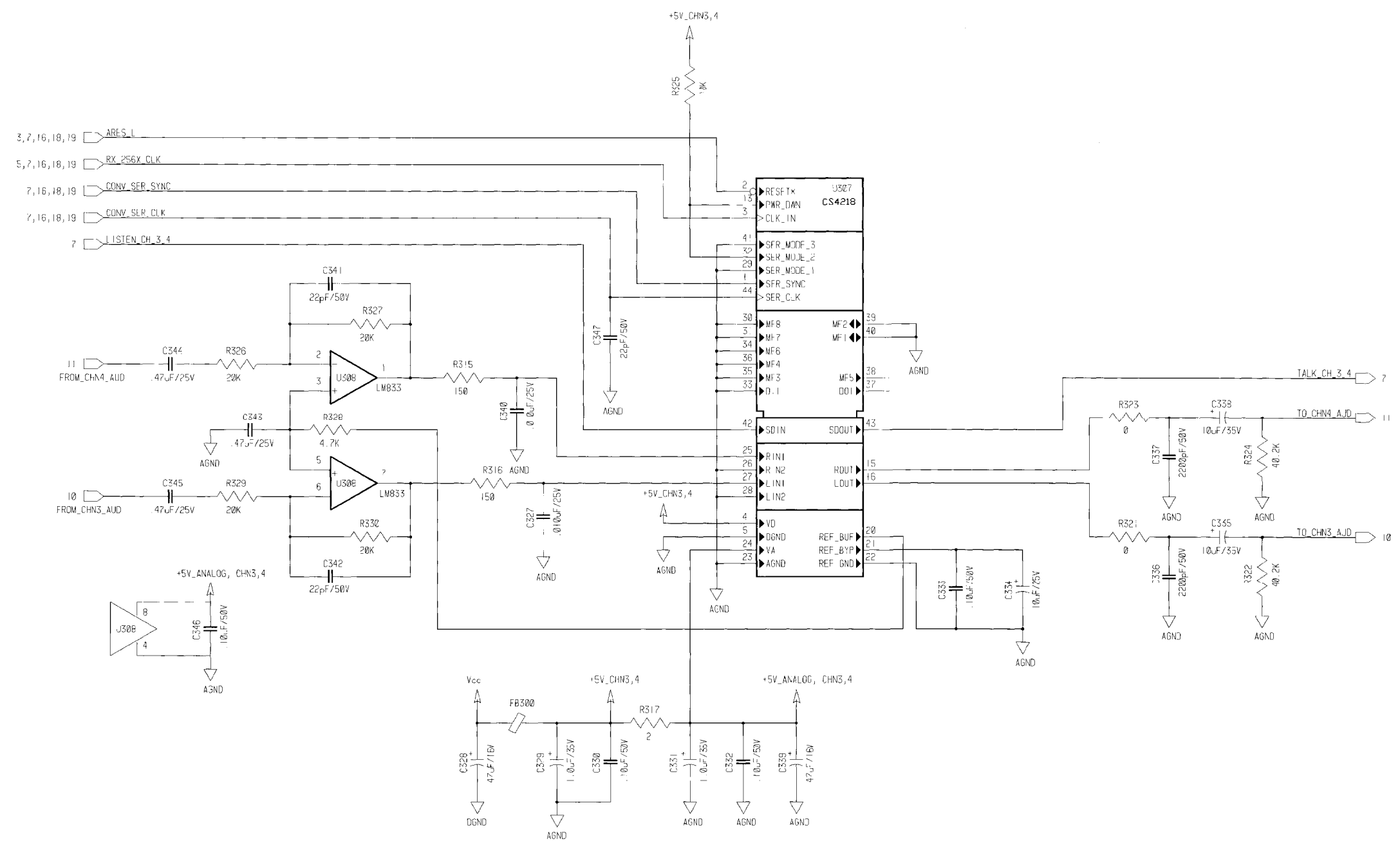
				REVISIONS							
SHEET		SHEET		LOC	REV.	DESCRIPTION	ECO NO	DRT	CHWR	APP	DATE
REVISION		STATUS									
				C		REVISED PER ECO	60813	DP	DP		7-95
				D		ADDED TEST POINTS	63487	MK	MK		4-97



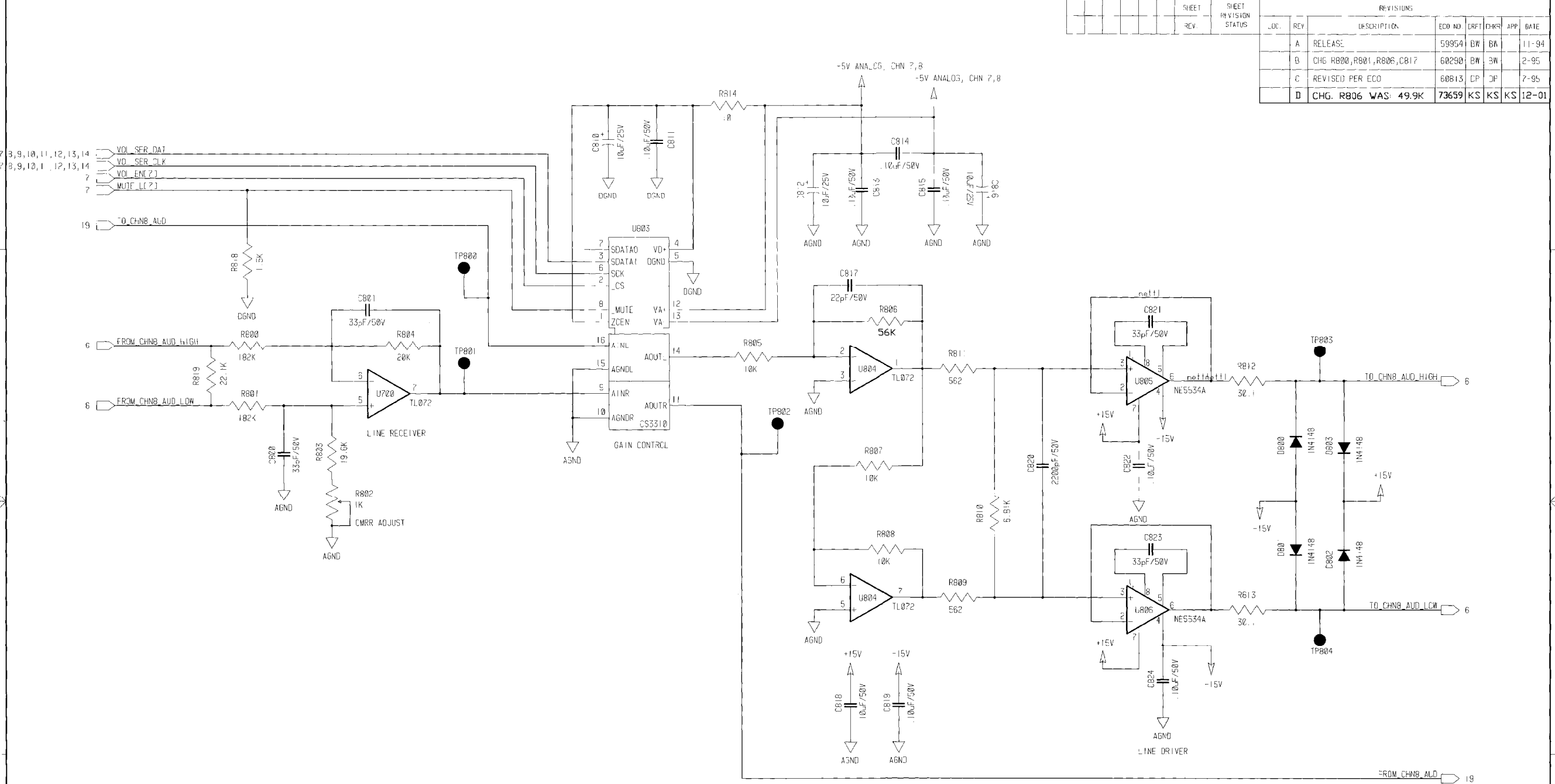
SHEET	REV.

SHEET	REV.

REVISIONS							
LOC	REV	DESCRIPTION	ECO NO	DR	CHKD	APP	DATE
	A	RELEASE	59254	BW	BW		11-94
	B	CHG PN C335, C338, SEL ECO	60250	BW	BW		2-95
	C	REV SED PER ECO	60613	DP	DP		7-95
	D	CHG U307 WAS CS4216; CHG R321 & R323 WAS 604	73659	KS	KS	KS	12-01



REVISIONS									
LOC.	REV	DESCRIPTION	ECO NO	DRFT	CHKD	APP	DATE		
	A	RELEASE	59854	BW	BA		11-94		
	B	CHG R800,R801,R806,C817	60290	BW	3W		2-95		
	C	REVISED PER ECO	60813	CP	CP		7-95		
	D	CHG. R806 WAS: 49.9K	73659	KS	KS	KS	12-01		



CAD GENERATED DRAWING
FILENAME: SEE SHIT 1

DR	BW	OK	APP	TITLE
				SCHEMATIC ANALOG I/O CARD CH-CHANNEL 9 LINE DRIVER/RECEIVER
DATE	011494			
ADAM	90327510			SIZE DWS NO 902775 0
MODEL	NEXT ASSY			15 OF

SHEET	REV.
1	1

SHEET	REV.
1	1

REVISIONS							
LOC.	REV.	DESCRIPTION	ECO NO.	BY	CHKD	APP.	DATE
	A	RELEASE	59954	BA	BW		1-94
	D	CHG R700 1, C725 8, U701, C717, R706	60232	DA	DR		2-95
	C	REVISED PER ECO	60913	DP	DP		7-95
	D	CHG. R706 WAS: 49.9K	73659	KS	KS	KS	12-01

D

C

B

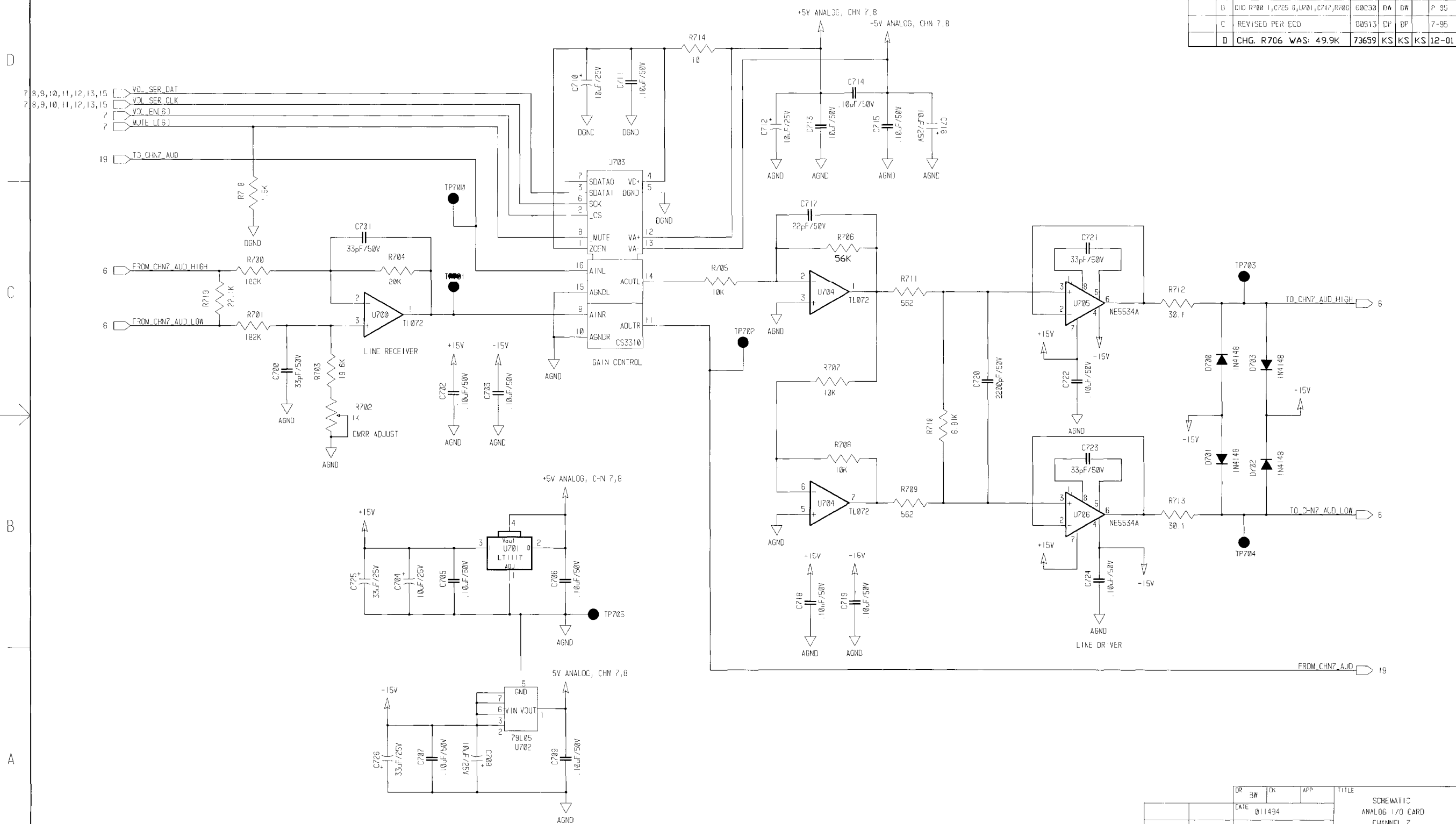
A

D

C

B

A



CAD GENERATED DRAWING
FILE: AML: SFF SHT 1

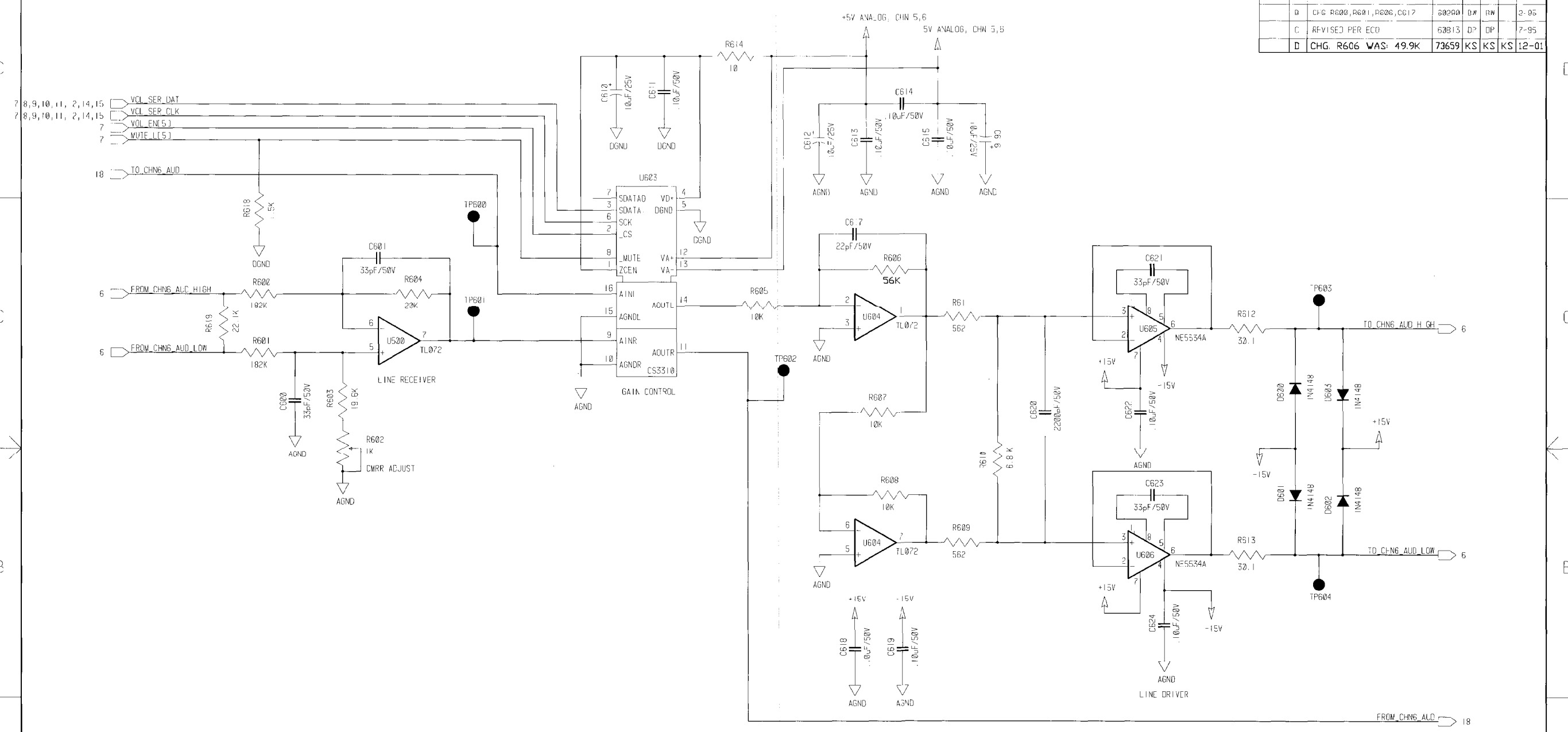
DR	3W	OK	APP	TITLE
DATE	011494			SCHEMATIC ANALOG I/O CARD CHANNEL 7 LINE DRIVER/RECEIVER
SIZE	DWG. NO.			90277510
MODEL	90307510			14 OF
	NEXT ASSY			

TELEX

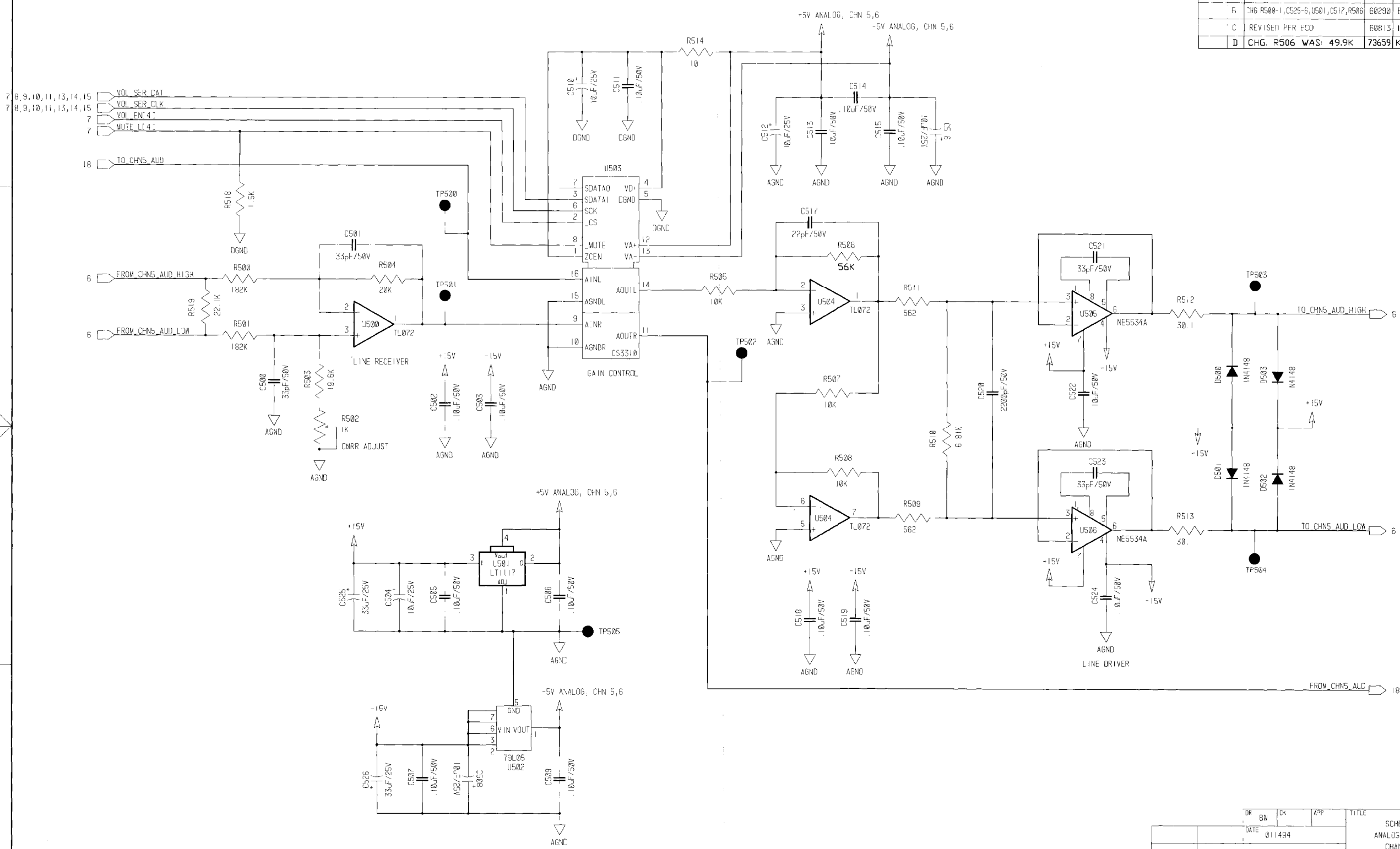
TELEX COMMUNICATIONS, INC.
MINNEAPOLIS, MINNESOTA

BE LN

REVISIONS									
LOC.	REV.	DESCRIPTION	ECO NO.	DRFT	CHKD	APP.	DATE		
	A	RELEASE	59954	BW	BW		11-94		
	B	CHG R600, R601, R606, C617	60900	BW	BW		2-95		
	C	REVISED PER ECO	60813	DP	DP		7-95		
	D	CHG. R606 WAS: 49.9K	73659	KS	KS	KS	12-01		



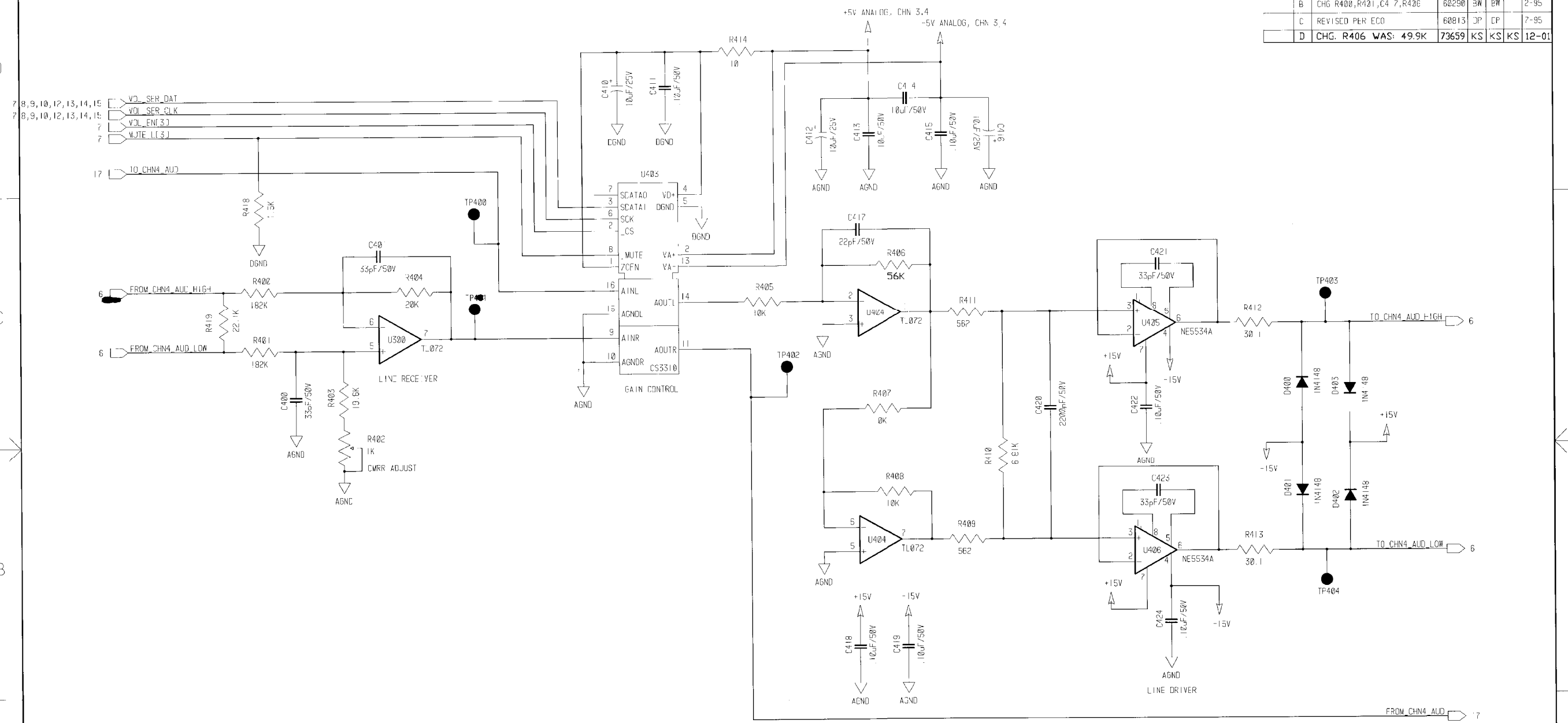
REVISIONS									
LOC.	REV.	DESCRIPTION	ECO NO.	DRFT	C-KR	APP.	DATE		
A		RELEASE	59954	BW	BW		11-94		
B		CHG R500-1, C525-6, U501, C517, R506	60290	BW	BW		2-95		
C		REVISED PER ECO	60813	DP	DP		7-95		
D		CHG. R506 WAS: 49.9K	73659	KS	KS	KS	12-01		



CAD GENERATED DRAWING
FILENAME: SFF SHT 1

DR	BW	OK	APP	TITLE
				SCHMATIC
				ANALOG I/O CARD
				CHANNEL 5
				LINE DRIVER/RECEIVER
				SIZE: DWG. NO.
				90277510
				D SHT 12 OF
ADAM	9030/510	TELEX COMMUNICATIONS, INC.		
MODEL	NEXT ASSY	MINNEAPOLIS, MINNESOTA		

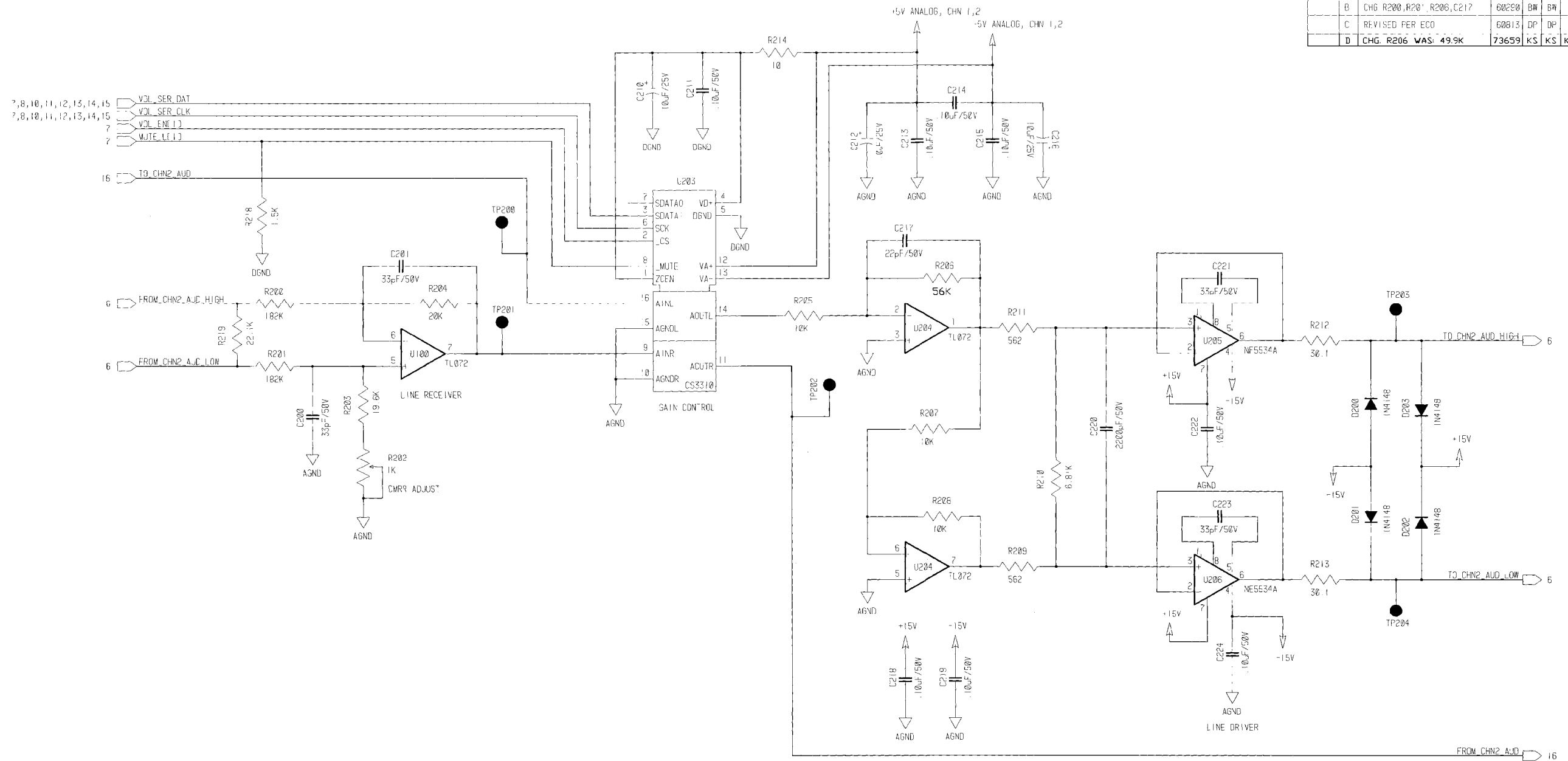
REVISIONS									
LOC	REV	DESCRIPTION	ECN NO.	DR-T	CHKR	APP	DATE		
A		RELEASE	59954	BW	BW		11-94		
B		CHG R400,R401,C4 7,R406	60290	BW	BW		2-95		
C		REVISED PER ECO	60813	JP	CP		7-95		
D		CHG. R406 WAS: 49.9K	73659	KS	KS	KS	12-01		



CAD GENERATED DRAWING
 FILENAME: SEC SH1 I

DR	SW	CK	APP	TITLE
DATE	011494			SCHEMATIC ANALOG I/O CARD CHANNEL 4 LINE DRIVER/RECEIVER
ADAM	9027510	TELEX	SIZE	LONG
MODEL	NEXT ASSY	TELEX COMMUNICATIONS, INC. WINNEPESIS, MINNESOTA	D	9027510
				11 OF

				SHEET	SHEET	REVISIONS							
				REV	REVISION STATUS	LEC.	REV.	DESCRIPTION	ECO NO.	DRFT	CHKD	APP.	DATE
							A	RELEASE	59954	BW	BW		11-94
							B	CHG R200,R201-R206,C217	60280	BW	BW		2-95
							C	REVISED PER ECO	60813	DP	DP		7-95
							D	CHG. R206 WAS: 49.9K	73659	KS	KS	KS	12-01

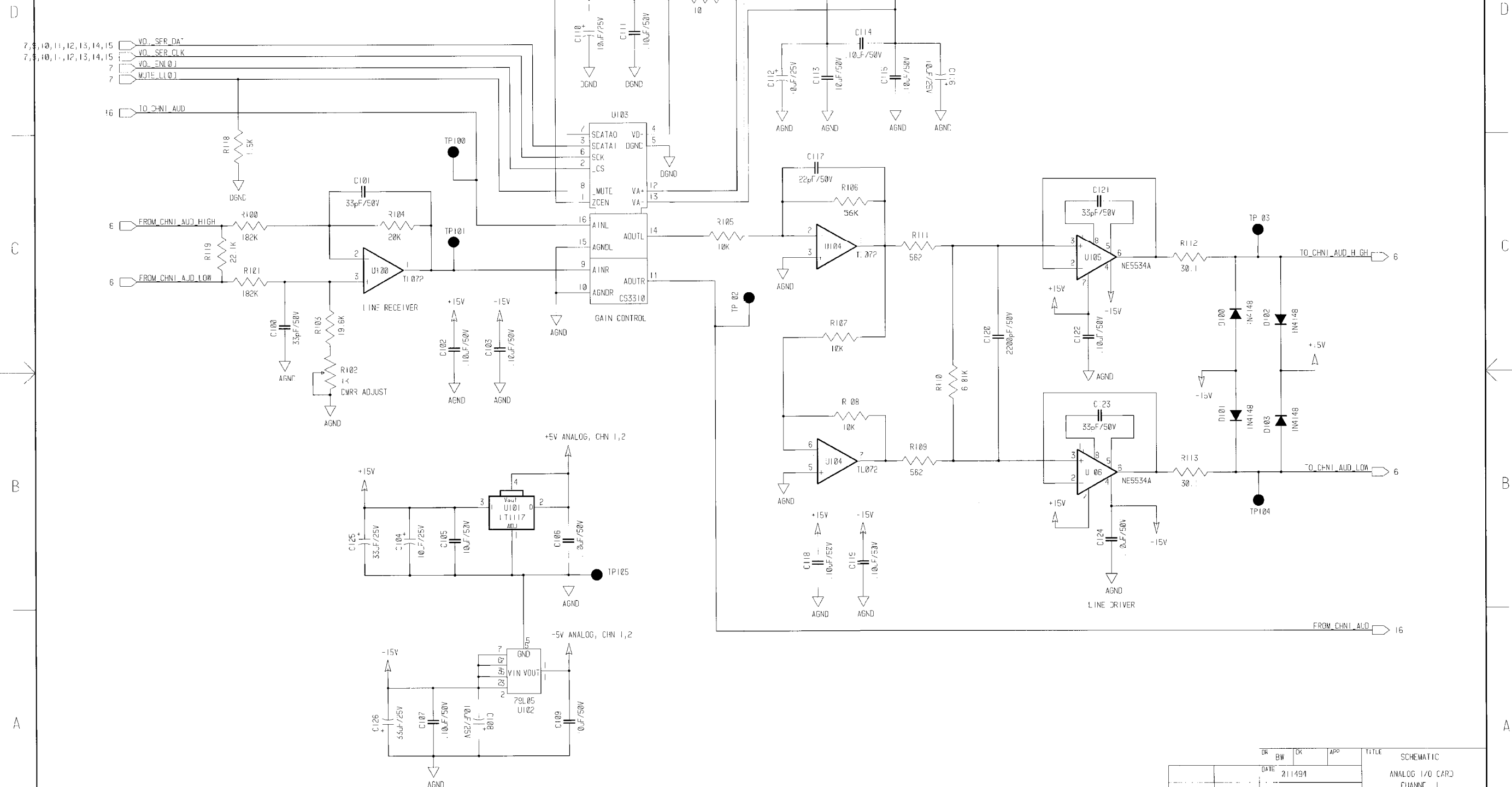


D

C

B

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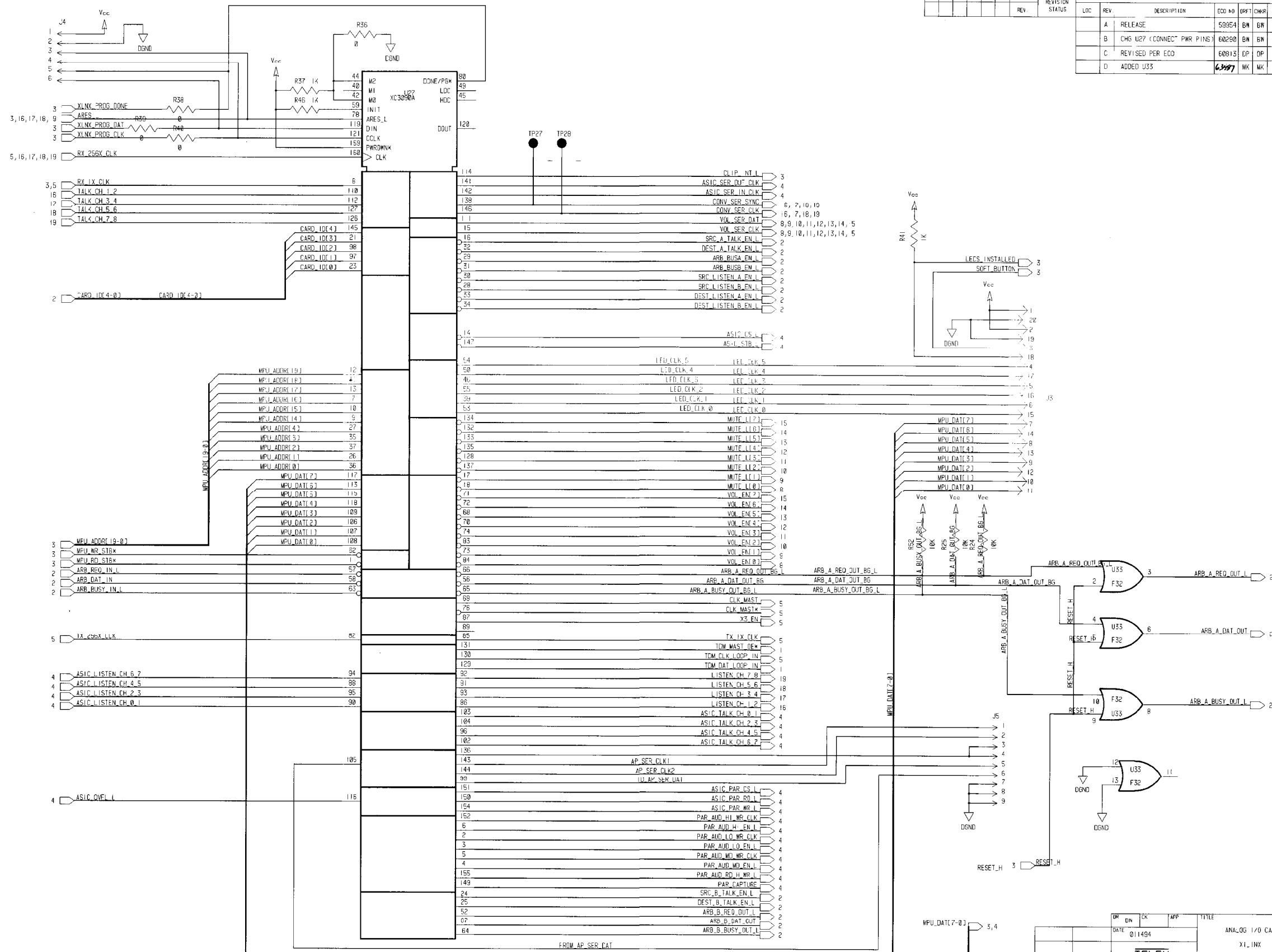


REVISIONS									
LOC.	REV.	DESCRIPTION	ECO NO.	DRFT.	CHKD.	APP.	DATE		
	A	RELEASE	59954	BW	DM		11-94		
	B	CHG R102-101, C125-126, U101, C117, R105	60290	BW	DM		2-95		
	C	REVISED PER ECO	608 3	DP	DP		7-95		
	D	CHNG P/N; R106	73659	SX	SX		12-01		

CAD GENERATED DRAWING
FILENAME: SEE SHT 1

DR	BW	OK	APP.	TITLE	
DATE	2/1/99				SCHEMATIC
				ANALOG I/O CARD	
				CHANNEL 1	
				LINE DRIVER/RECEIVER	
SIZE	D	DATE	NO.		
ADAM	90307510	TELEX COMMUNICATIONS, INC.	90277510		
MODEL	NEXT ASS'Y	MINNEAPOLIS, MINNESOTA	SHT		
				8 OF	

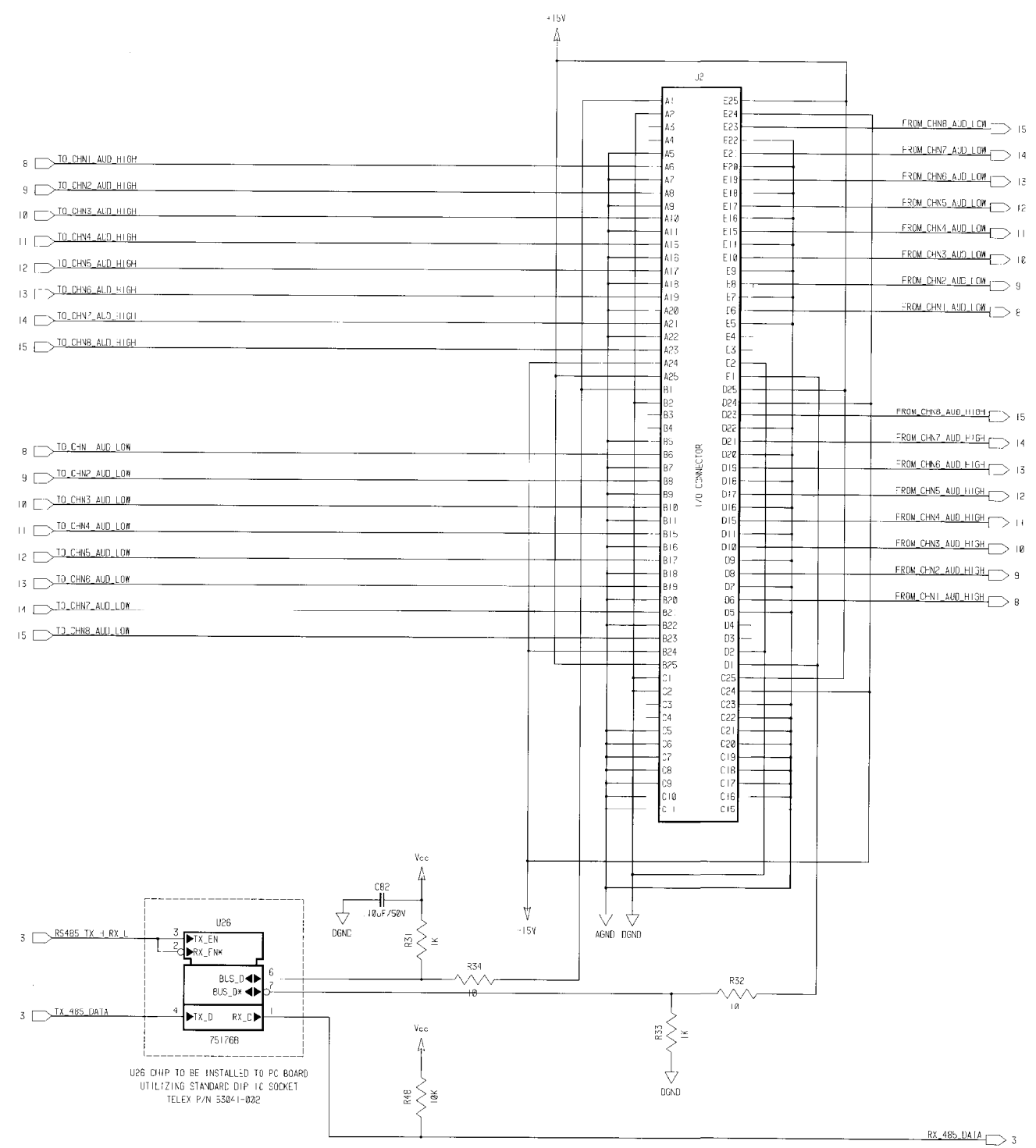
REVISIONS							
LOC	REV	DESCRIPTION	ECO NO	DR1	CHKR	APP	DATE
	A	RELEASE	58954	BW	BW		11-9-
	B	CHG U27 (CONNECT PWR PINS)	60290	BW	BW		2-95
	C	REMOVED PER ECO	60813	DP	DP		7-95
	D	ADDED U33	63987	MK	MK		4-97



CAD GENERATED DRAWING
FILENAME: SEE SHT 1

DATE		DN	CK	APP	TITLE
Q11494					ANALOG 1/0 CARD
					X1 INX
ADAM	80307510	TELEX COMMUNICATIONS, INC WINGAPLES, MINNESOTA			DIFG NO 09277510
MODEL	NEXT ASSY				D SH 7 DF

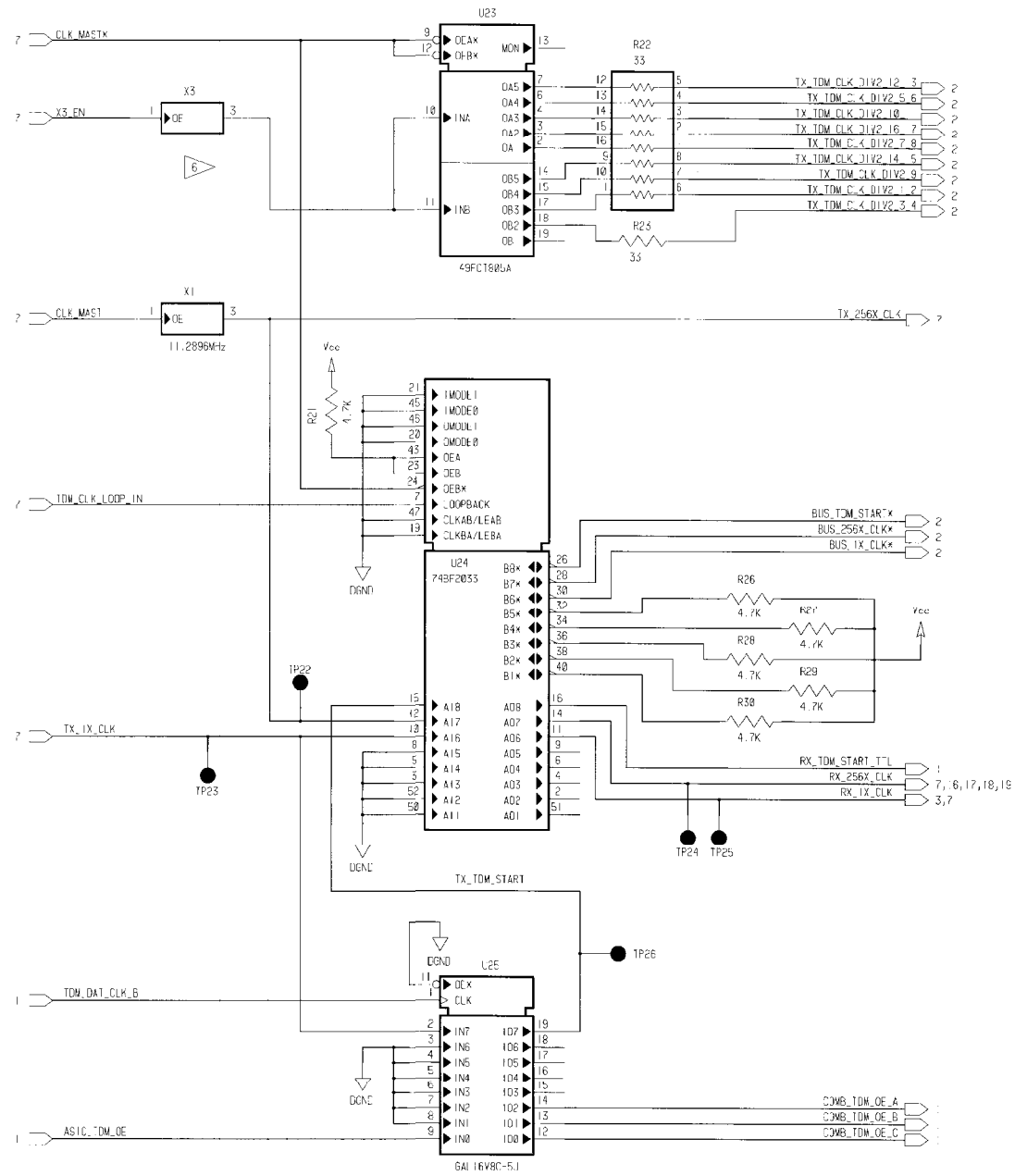
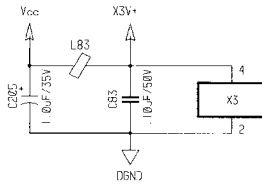
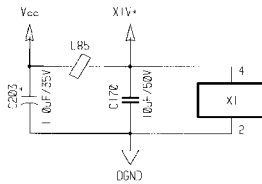
SHEET		SHEET		REVISIONS		REV		DATE	
REV.	REV.	REV.	REV.	REV.	REV.	REV.	REV.	REV.	REV.
A	RELEASE								
B	CHG PN JP								



CAD GENERATED DRAWING
FILENAME: SEE SH1.1

DATE	07/14/94	DATE	07/14/94	DATE	07/14/94	DATE	07/14/94
BY	ADAM	BY	ADAM	BY	ADAM	BY	ADAM
CHK	90307510	CHK	90307510	CHK	90307510	CHK	90307510
APP	TELEX COMMUNICATIONS, INC.	APP	TELEX COMMUNICATIONS, INC.	APP	TELEX COMMUNICATIONS, INC.	APP	TELEX COMMUNICATIONS, INC.
TITLE	ANALOG I/O CARD	TITLE	ANALOG I/O CARD	TITLE	ANALOG I/O CARD	TITLE	ANALOG I/O CARD
REV	6	REV	6	REV	6	REV	6
DATE	07/14/94	DATE	07/14/94	DATE	07/14/94	DATE	07/14/94

6 ADAM CS (500) LSES (5.00MHz) ADAM (000) USES 22.4V42

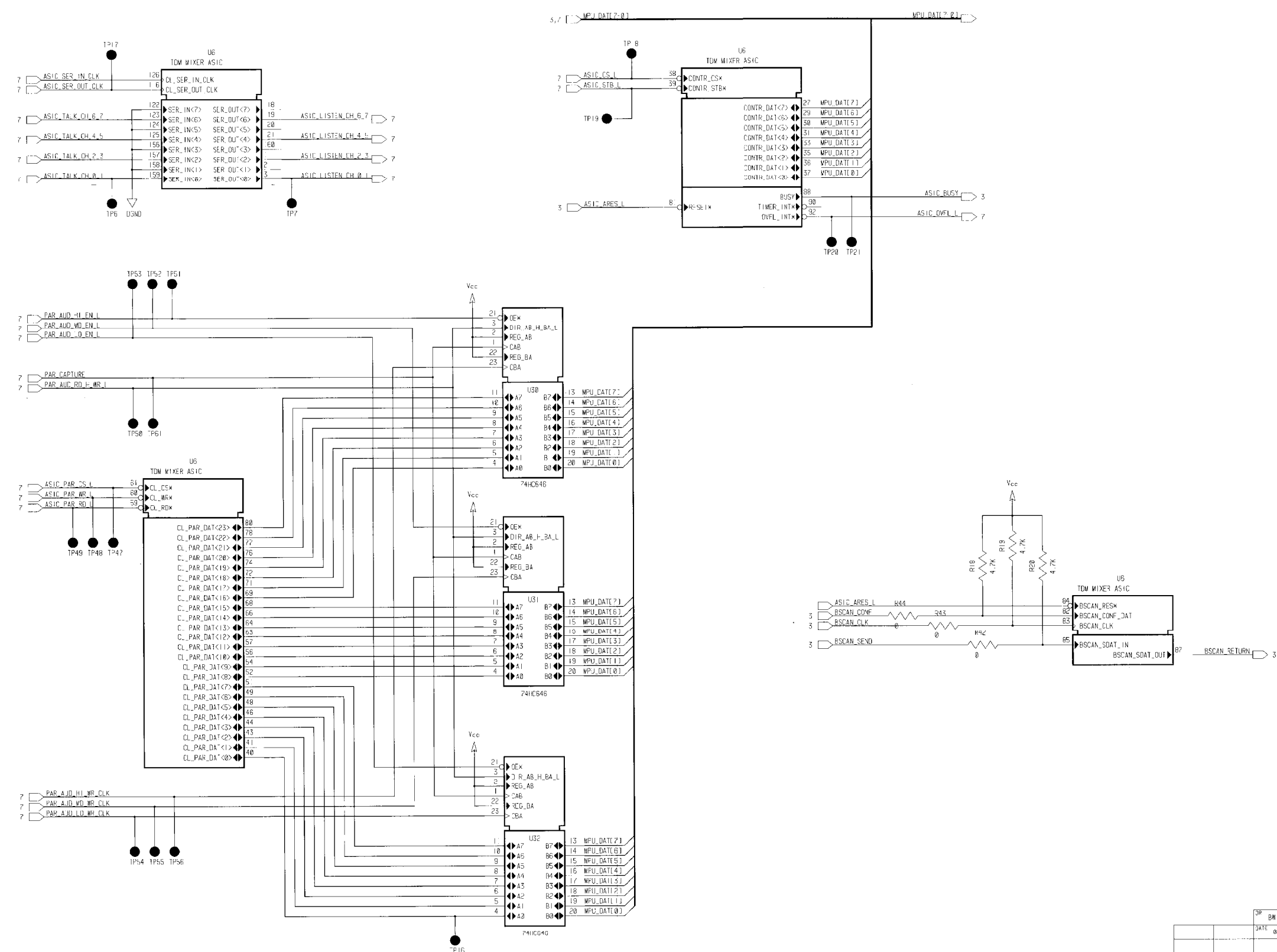


CAD GENERATED DRAWING
FILENAME: SEC_SHT_1

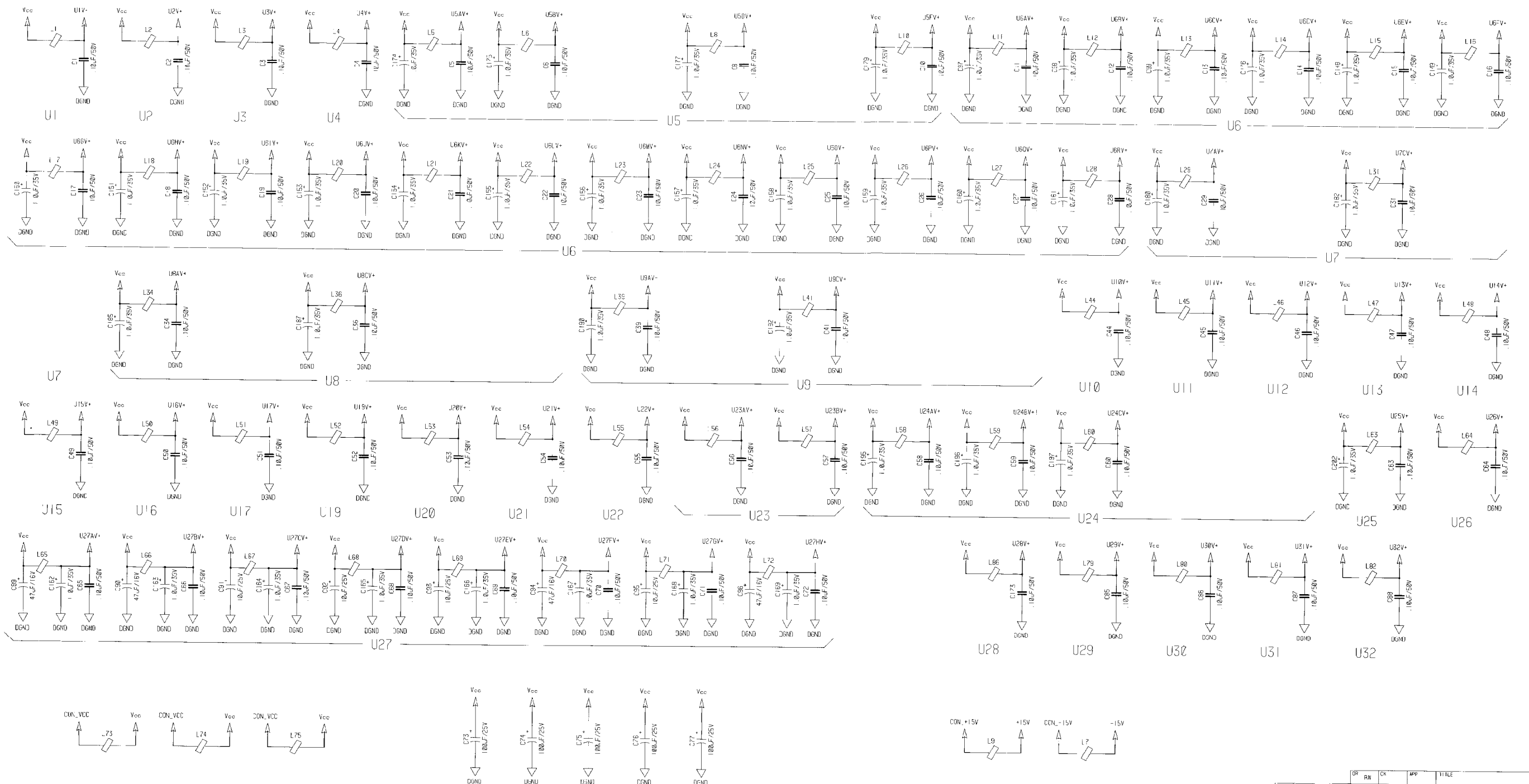
DR	BY	CK	APP	TITLE
				ANALOG I/O CARD
				CLOCK MODULE
				DATE: 2/11/94
				SIZE: 90277510
				5 OF 5
				REF: LN

ACAM	30307510	TELEX COMMUNICATIONS, INC.	SIZE	NO
WCEL	NEXT ASSY	WINEAPL 5, WINEAPL 5	DR	5

REVISIONS									
REV.	DESCRIPTION	ECO NO.	DR'T	CHKR	APP.	DATE			
A	RELEASE	59554	BA	BW		11-9			
B	CHG PN U6, T-61 WAS TP51	60290	BA	BW		2-95			



REVISIONS						
LOC	REV	DESCRIPTION	CCD NO	DFT	C-KR	APP
A	1	RELEASE	58954	BW	BW	11-94
B	1	CHS PN C73-C77,L7,L9	60290	BW	BW	2-95
C	1	REVISED FOR EDO	60815	DP	DP	7-95

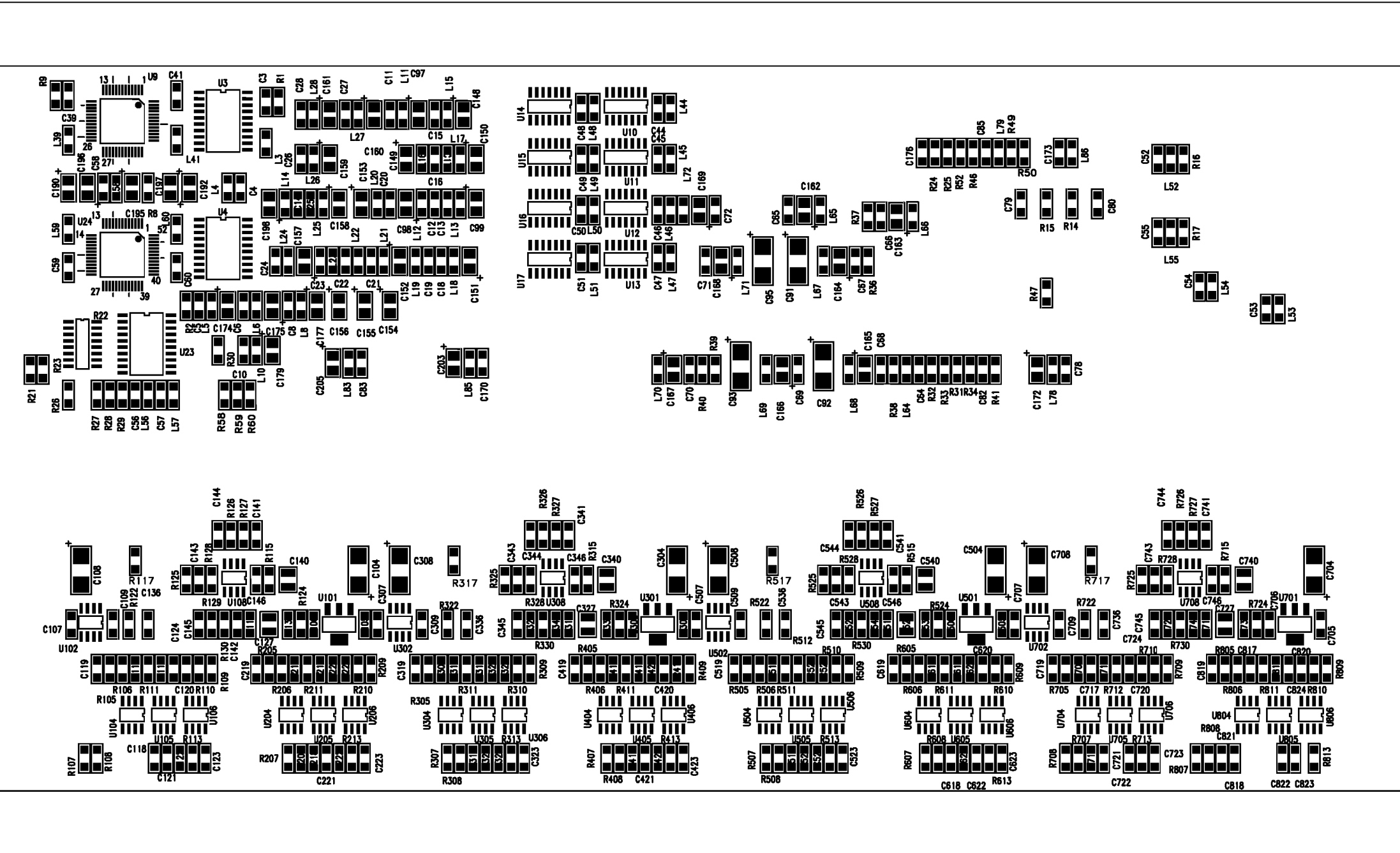
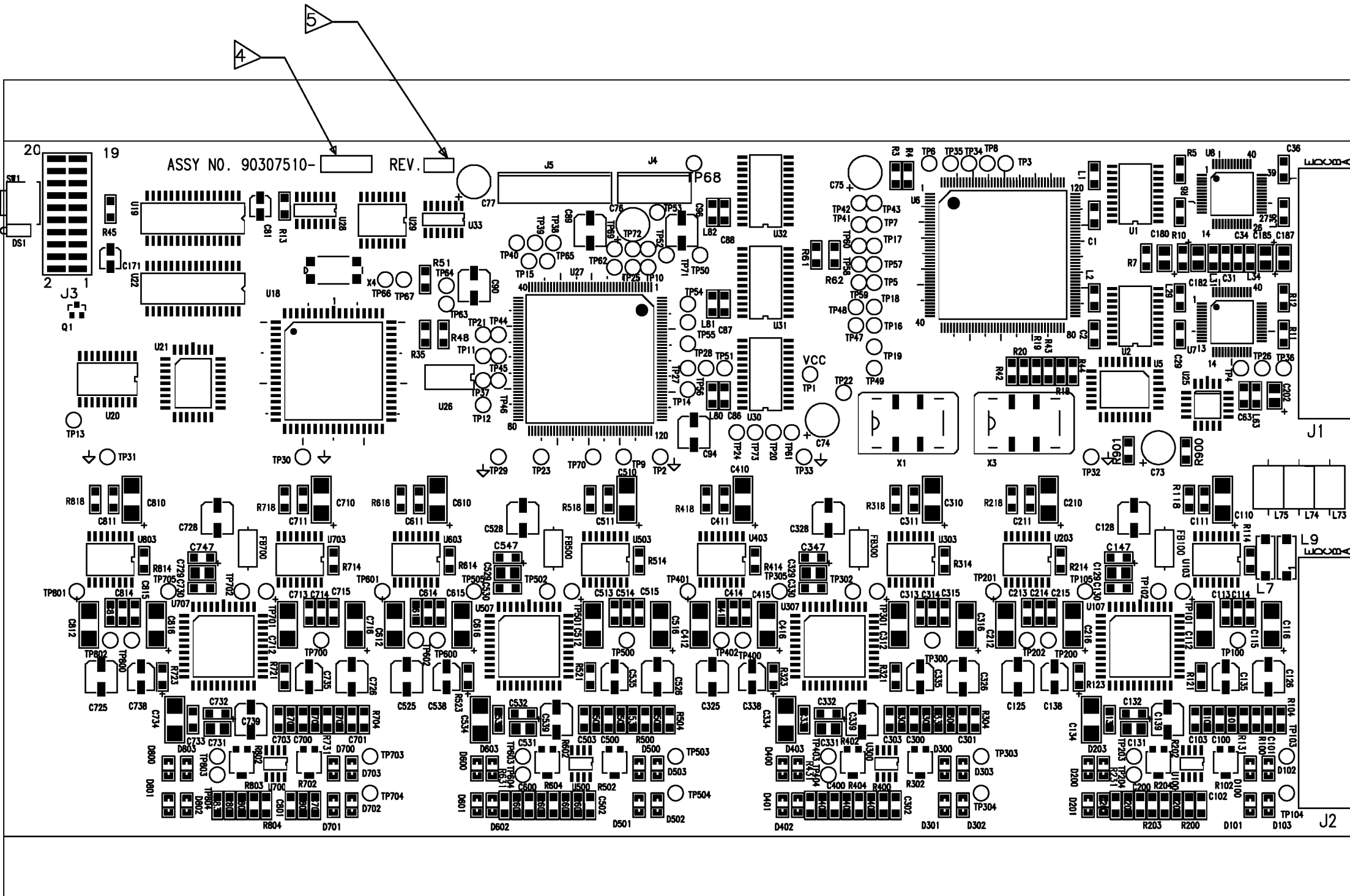


CONNECTOR TO POWER PLANE

CAD GENERATED DRAWING
FILENAME: SEC SH1

DATE	BY	CHK	APP	TITLE
011494				ANALOG I/O CARD BYPASS CAPACITORS & INDUCTORS
TELEX				SIZE DWS NO 90277510
ADAM	90307510	TELEX COMMUNICATIONS, INC.	MINNEAPOLIS, MINNESOTA	SH1 20 OF 20

- NOTES:
1. MANUFACTURING TO STAMP REV ON BOARD THAT APPEARS ON DRAWING
 2. REFERENCE SCHEMATIC DRAWING 90277510-000 REV F
 3. PARTS LIST FILED SEPARATLY 90307510-000 REV K
90307510-500 REV K
 4. WRITE ASSEMBLY VERSION BUILT TO WHERE SHOWN.
 5. WRITE ASSEMBLY REV BUILT TO WHERE SHOWN.



REVISIONS									
LOC.	REV.	DESCRIPTION	ECO. NO.	DRFT	CHKR	APP	DATE		
	E	REVISED AND REDRAWN	63487	CBH			6/12/98		
	F	CHANGED NOTES 2 &3.	63641	CBH			2/4/99		
	G	CHANGED NOTE 3.	63653	CBH			3/10/99		
	H	CHANGED NOTE 3.	73659	SX			12/5/01		
	J	CHANGED NOTE 3.	73792	CBH			4/25/02		
	K	CHANGED NOTE 3.	83081	SX			4/22/03		

UNSPECIFIED LIMITS OF TOLERANCE		DECIMAL		MACHINED FINISH: 64	
STRAIGHTNESS AND/OR FLATNESS	.005 IN./1 IN.	X	P.050 IN.		
CONCENTRICITY	.010 TIR	XX	P.030 IN.		
ANGLES P1/2D BENDS P2D		XXX	P.010 IN.		
UNMARKED ANGLES, BENDS AND INTERSECTIONS 90D					
THREADS- EXT. CLASS 2A INT. CLASS 2B					
MOLD FINISH: SPI-SPE NO. 3					
DRAFT 2D					

DR	CBH	SCALE	1:1	TITLE	ADAM ANALOG I/O CARD ASSEMBLY DRAWING
DATE		DO NOT SCALE DRAWING		P/N	
SIZE	D	DWG. NO.	90307510	SHIT.	1 OF 1
PLANT DIST.		B.E.			

CAD GENERATED DRAWING

FILE NAME:\IC_GROUP\ECAD\BOARDS\7510\REVH\7510H.CAM

MODEL

NEXT ASS'Y