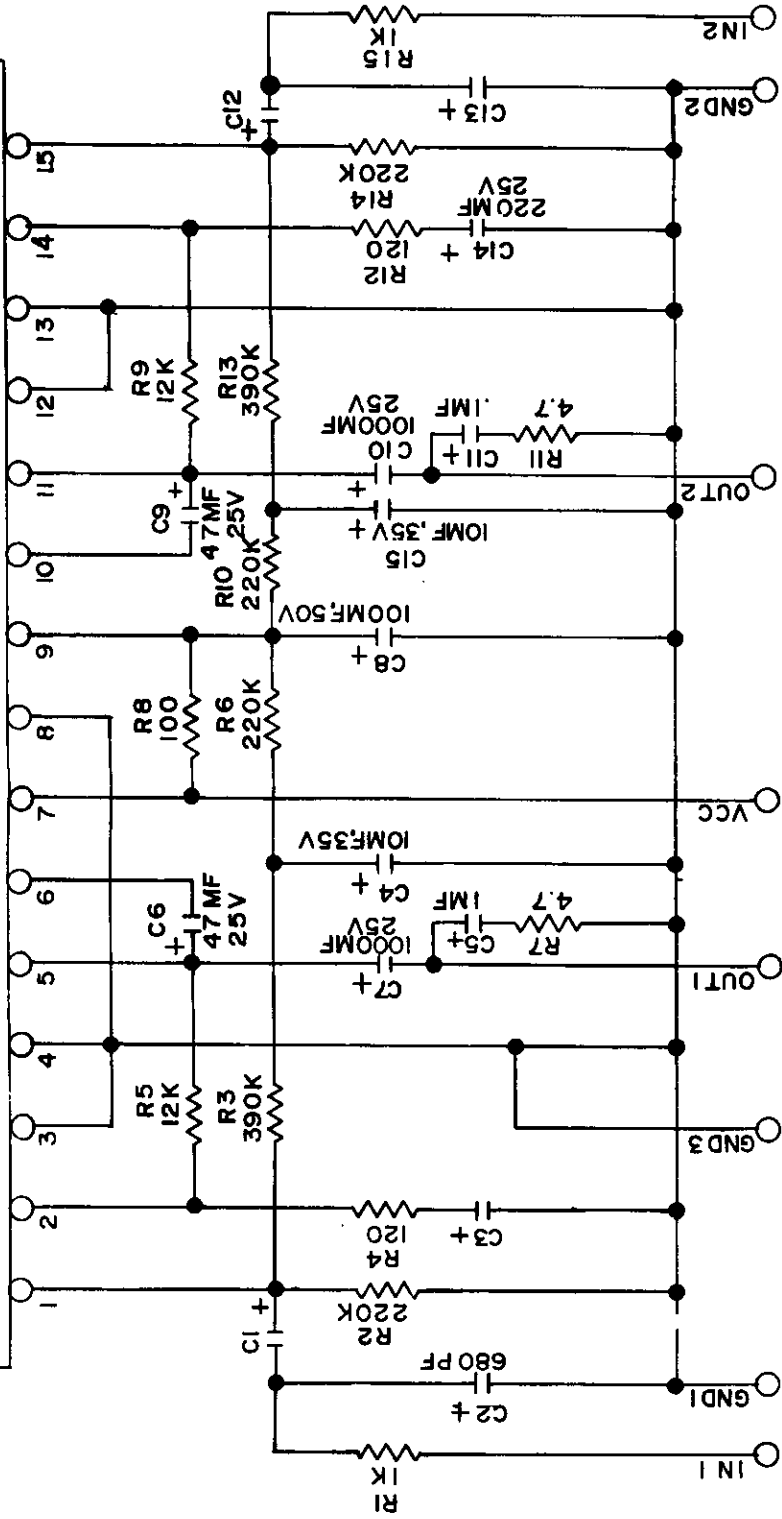


USED ON ASTRON BELT
 FULL W/ REPT 1 PER
 EPROM BOARD
 SCHEMATIC DWG
 Q834 - 05271 - 0000
 PRODUCT ENG.
 11/09/83
 MIDWAY MFG. CO.
 PART NO
 MO51 - 00A30 - A040

SANYO STK - 439



THIS DWG. IS CONFIDENTIAL & PROPERTY OF MIDWAY MFG. CO.

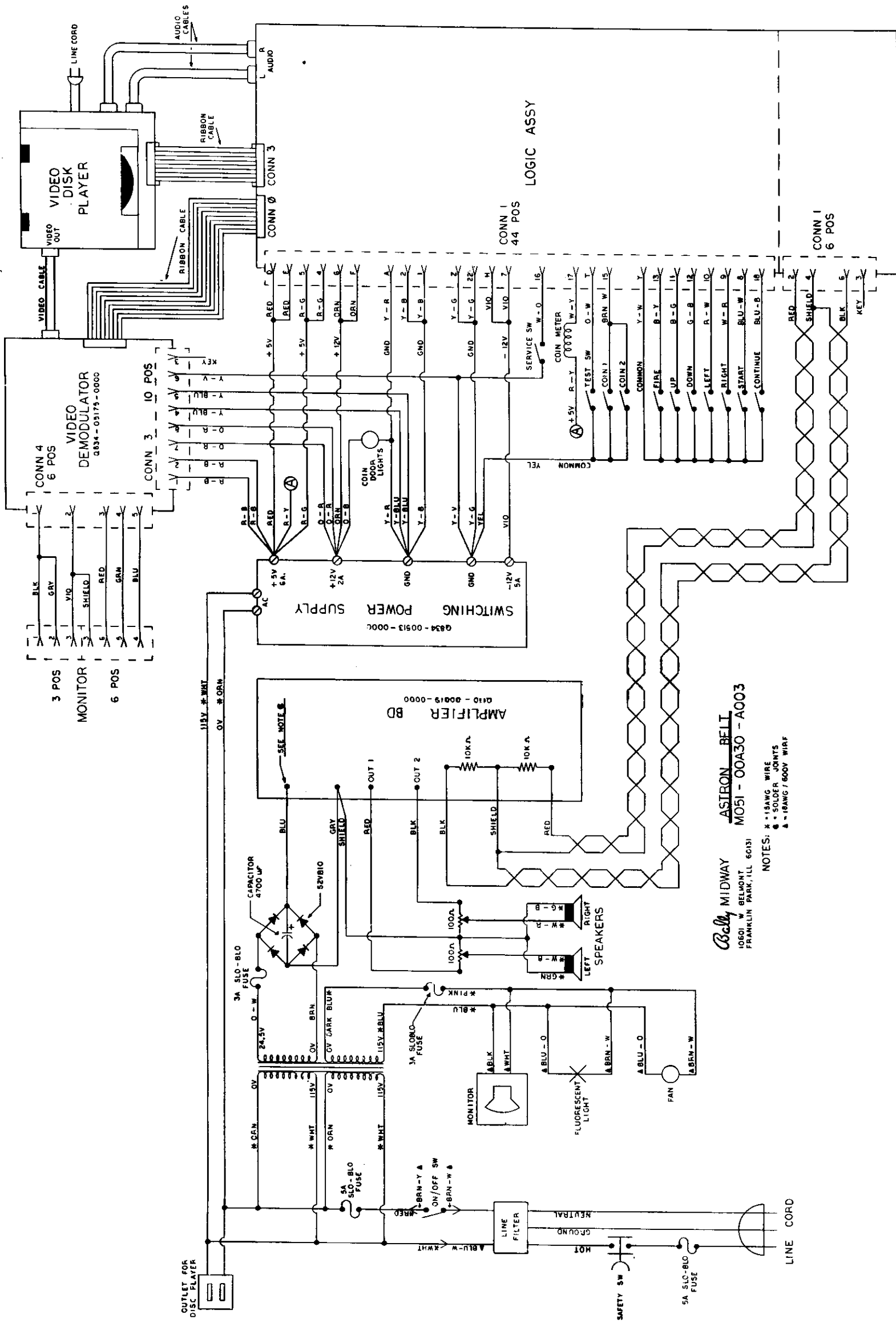
MIDWAY MFG. CO.
FRANKLIN PK., IL. 60131
A BALLY CO.

DIM. TOLERANCES UNLESS OTHERWISE SPEC. CONCENTRICITY T.I.R. .002 FRACTIONAL ± .164 DECIMAL ± .005 HOLE DIA. + .002 - .000 ANGLE ± 12° DO NOT SCALE DWG.	FIRST USED ON	ASTRON	BELT	SCALE
	DRN	M.M.	DATE	11/9/83
	MECH. CHK	MAT'L		FILL
	ELEC. CHK	FINISH		

REVISIONS

PART NO. M05-1-00A30-A03.4

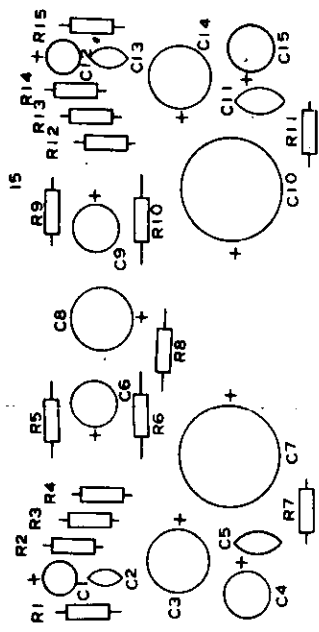
POWER AMPLIFIER
Q834-00513-0000



Bally MIDWAY
 10501 W. BELMONT
 FRANKLIN PARK, ILL. 60131

ASIRON BELT
 M051 - 00A30 - A003

NOTES: * = 18AWG WIRE
 ● = SOLDER JOINTS
 ▲ = 18AWG / 600V WIRE

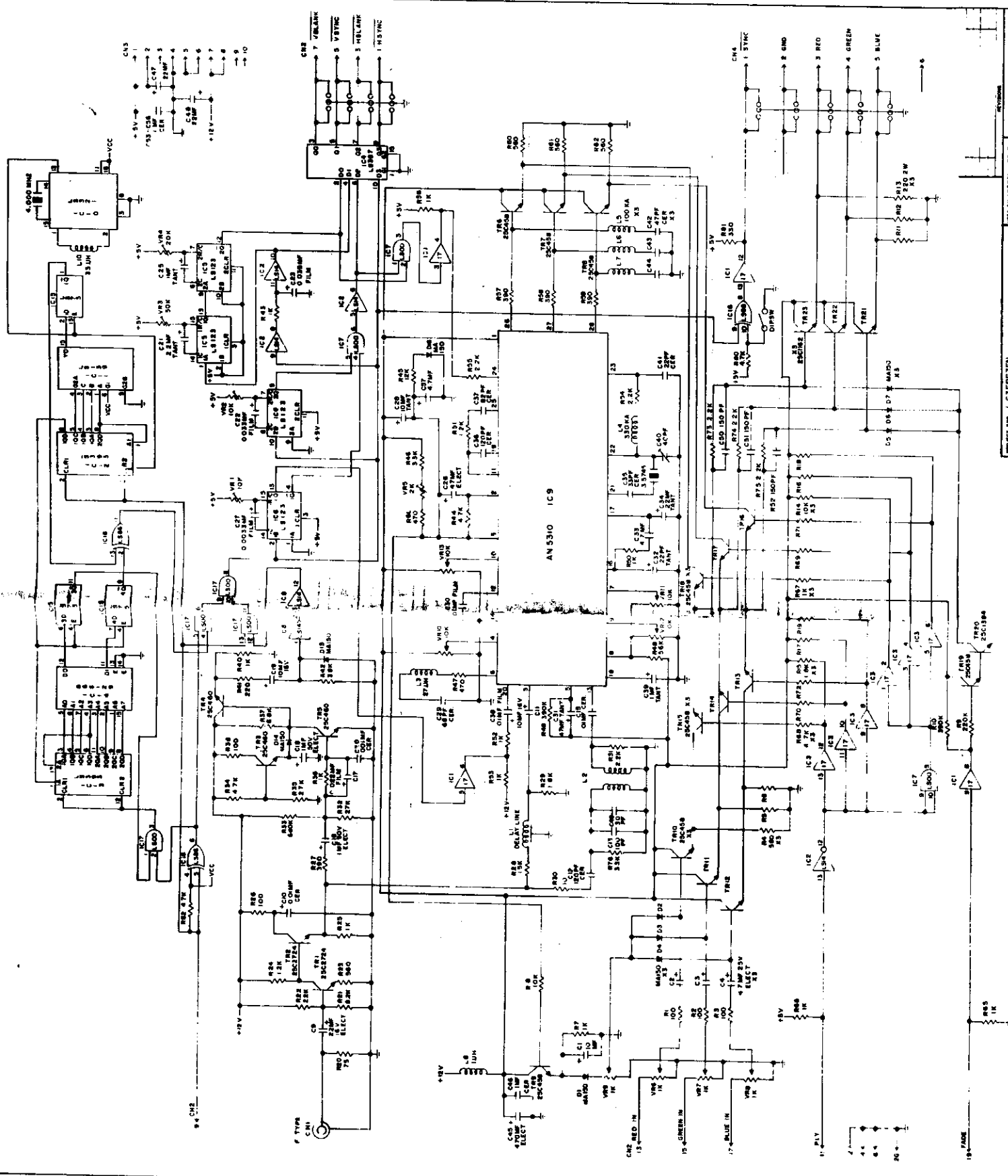


SEGA MADE IN JAPAN 834-0121



REVISIONS	

PROJECT ENG:		USED ON ASTRON BELT		Bally / MIDWAY MFG. CO. FRANKLIN PK. ILL.	
DO NOT SCALE DWG.		SCALE	FULL	PART NO.	
DIM. TOLERANCES UNLESS SPECIFIED		NO. REQ'D 1 PER		M051 - 00A30 - A033	
DRILL <i>1/32</i>		AUDIO POWER AMP P.C.		ASSEMBLY DWG	
CONCENTRICITY F.I.R. 003		Q834 - 00513 - 0000		DATE	
FRACTIONAL 1/64		HEAT TREAT		11 / 9 / 83	
DECIMAL .005		PART'L.		FINISH	
HOLE DIA +.002 000					

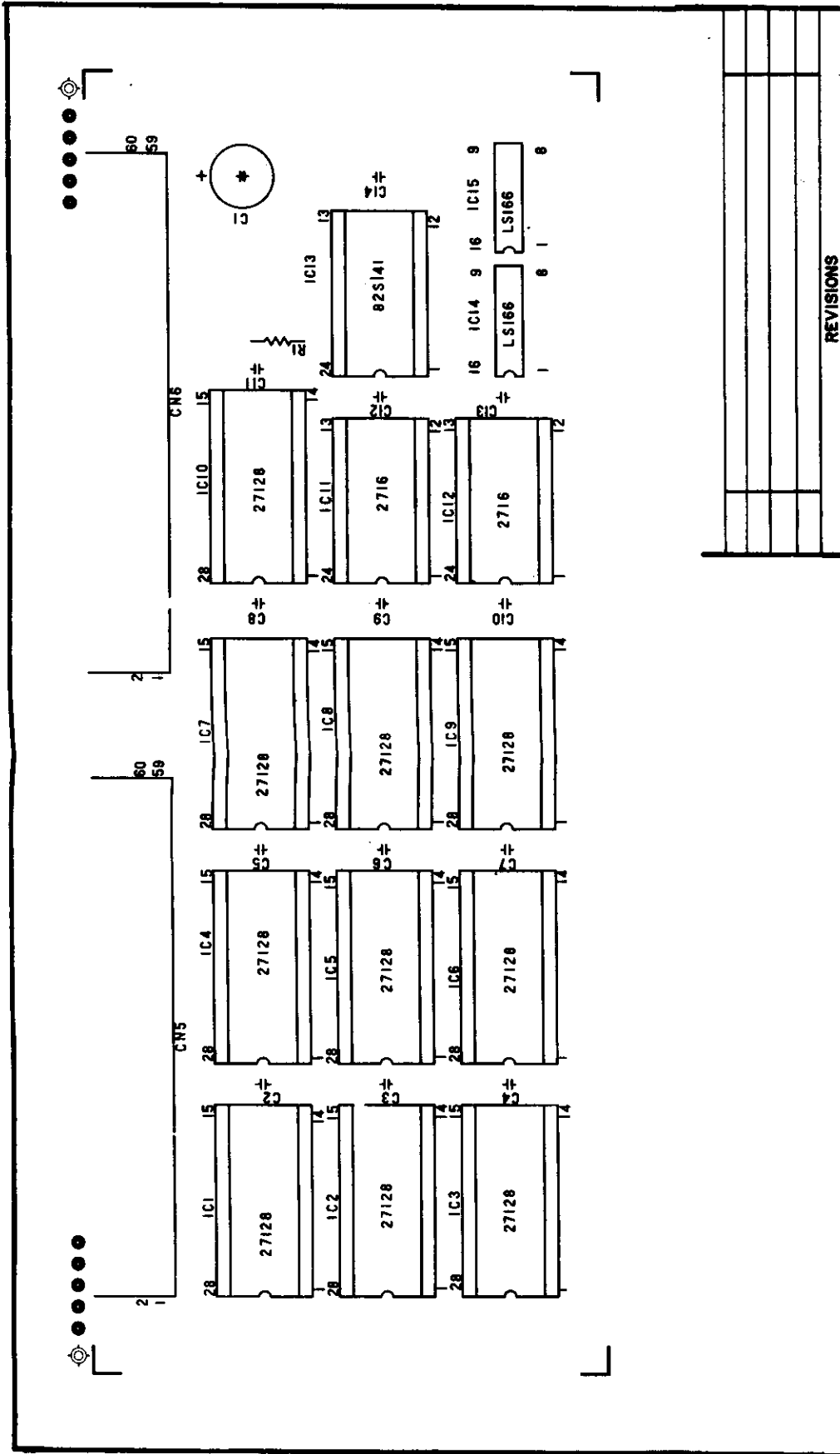


DESIGNER	REVISED BY	DATE
TESTER	DATE	
INSPECTOR	DATE	
PREPARED BY	DATE	
APPROVED BY	DATE	
REVISIONS		
NO.	DESCRIPTION	DATE
1	REVISED	11/09/83

PROJECT: **MR. J. SZERZEN**
 TITLE: **DEMODULATOR P.C.**
 PART NO: **0834-03175-0000**
 QTY: **1 PER**

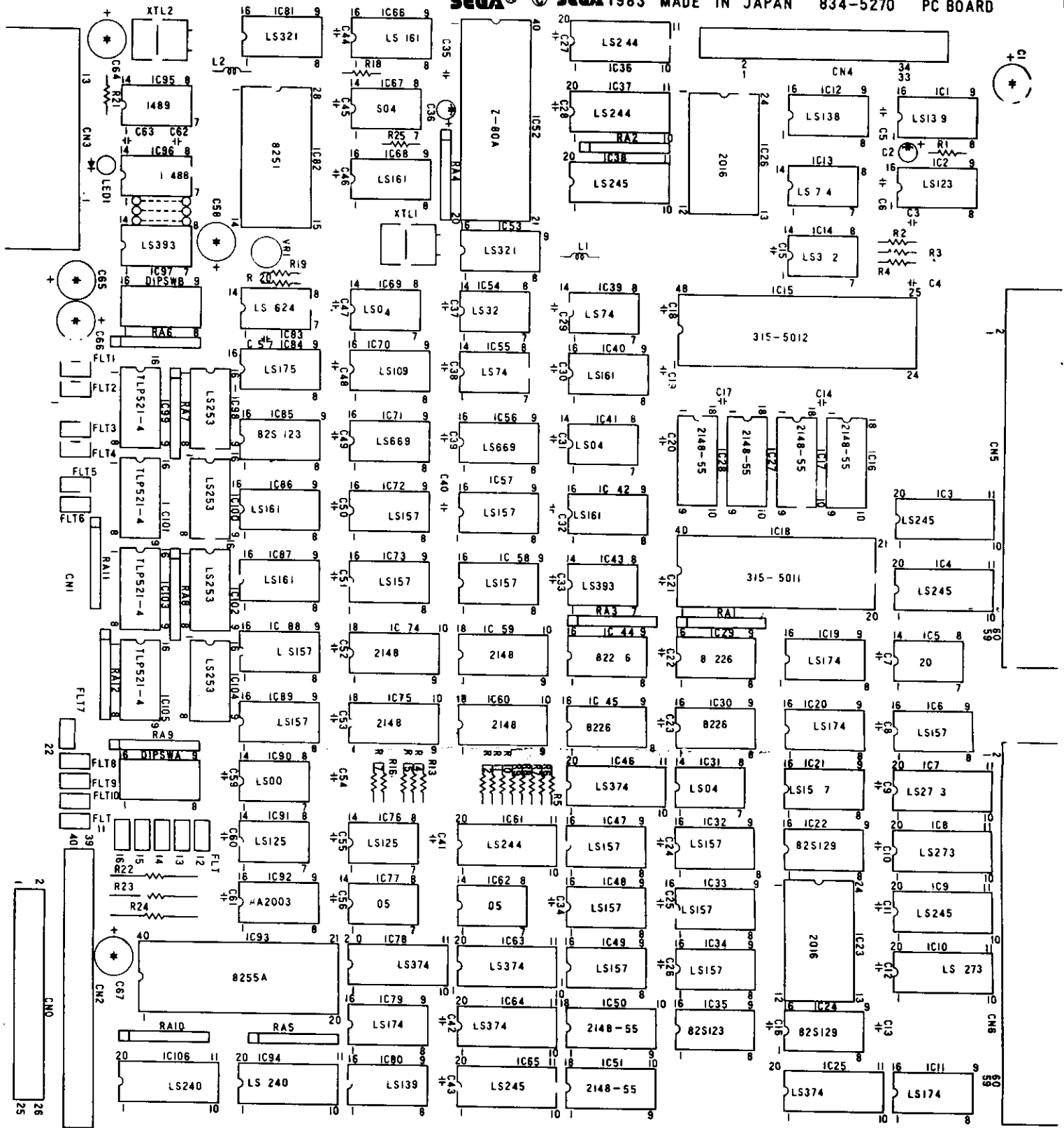
DESIGNED BY: **ASTRON. BELT**
 DRAWN BY: **W. PER**
 CHECKED BY: **W. PER**
 DATE: **11/09/83**
 PART NO: **0834-03175-0000**
 QTY: **1 PER**

REVISED BY: **ASTRON. BELT**
 DATE: **11/09/83**
 PART NO: **0834-03175-0000**
 QTY: **1 PER**



PROJECT ENG:		USED ON ASTRON BELT	
DO NOT SCALE DWG.		SCALE	NO. REQ'D 1 PER
DIM. TOLERANCES UNLESS SPECIFIED		FULL	
CONCENTRICITY T/R .003		EPROM P.C.	
FRACTIONAL .001 1/64		ASSY DWG	
DECIMAL .001		Q 834-05271-0000	
HOLE DIA .002 .000		PART NO. MO51 - 00A30 - A039	
DATE 11/09/83		REVISIONS	
DRN. <i>TBB</i>		Baby / MIDWAY MFG. CO.	
CED.		FRANKLIN PK. ILL.	

SEGA® © SEGA 1983 MADE IN JAPAN 834-5270 PC BOARD

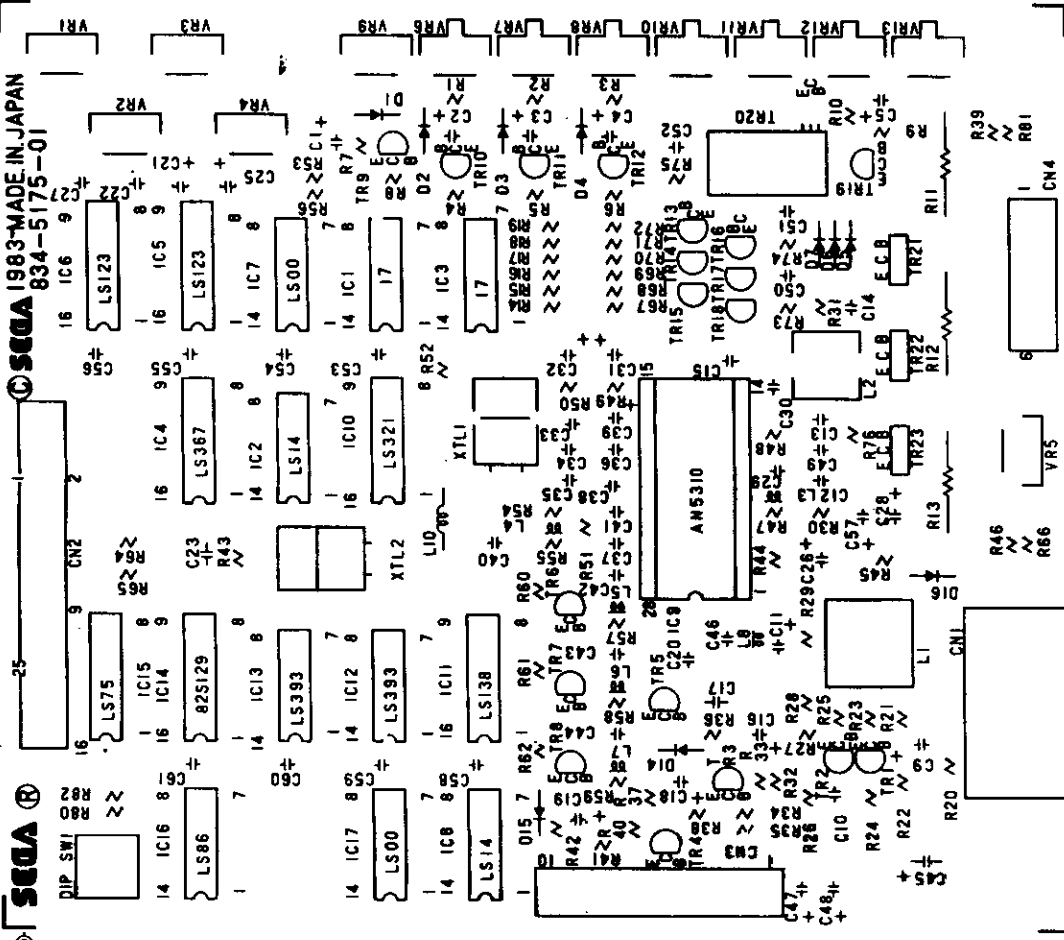


REVISIONS	

PROJECT ENG:		USED ON ASTRON BELT		Baby / MIDWAY MFG. CO. FRANKLIN PK ILL	
DO NOT SCALE DWG.		HEAT TREAT	SCALE FULL	NO. REQ'D 1 PER	
DIM TOLERANCES UNLESS SPECIFIED		MAT'L.	MAIN IC BOARD ASSY DWG		PART NO.
DRW. TDB		FINISH	Q834-05270-0000		MO51-00A30 - A037
DATE 11/9/83					

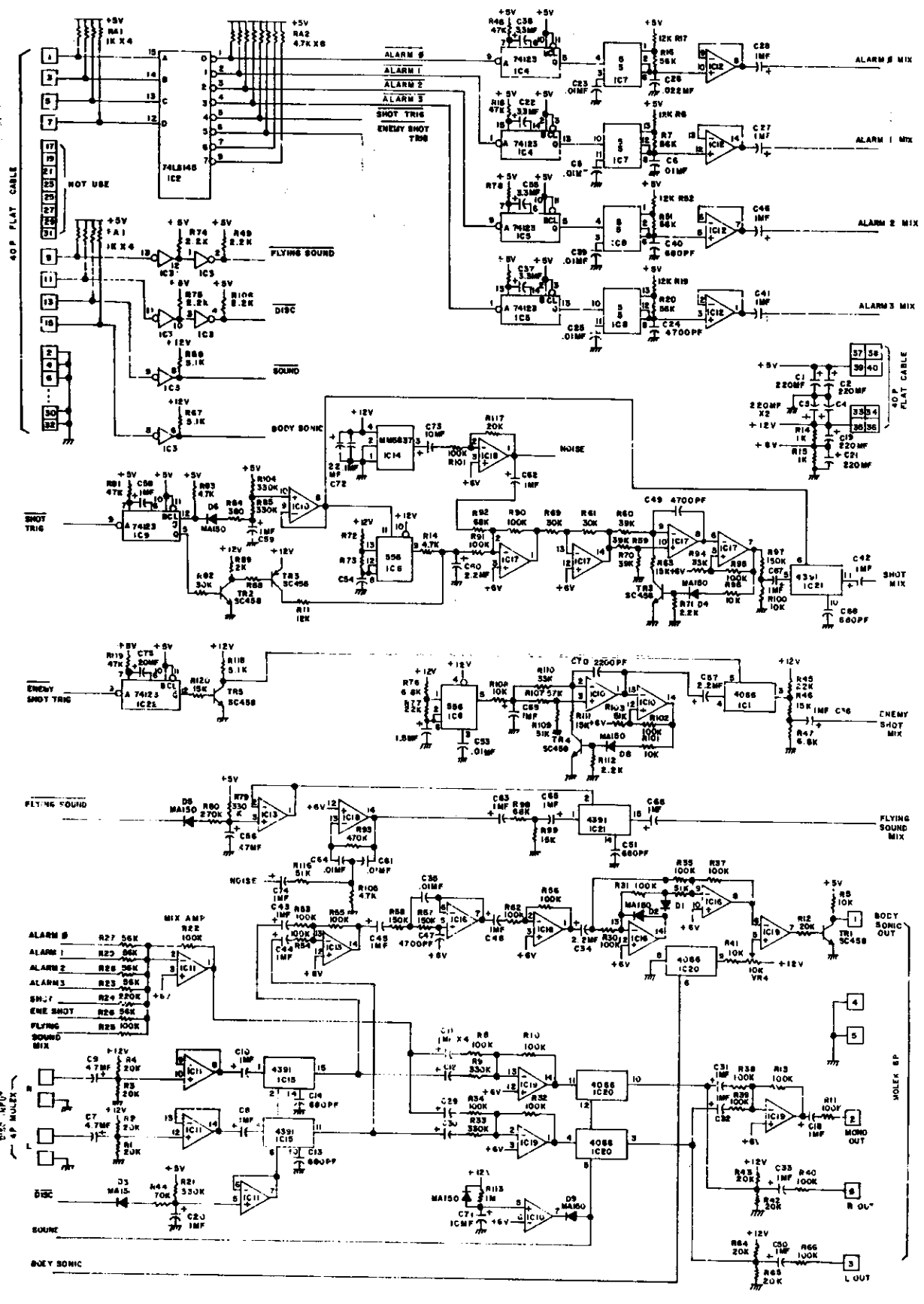
SEGA

SEGA 1983-MADE IN JAPAN
834-5175-01



REVISIONS	

PROJECT ENG:		USED ON ASTRON BELT	
DO NOT SCALE DWG.		SCALE	FULL
DIM. TOLERANCES UNLESS SPECIFIED		NO. REQ'D 1 PER	
CONCENTRICITY TYP. 0.03		FRAMES	
FRACTIONAL 1/64		DEMODULATOR P.C.	
DECIMAL .005		ASSEMBLY DWG	
HOLE DIA. +.002 .000		Q 834-05175-0000	
DATE 11/9/83		PART NO. M051 - 00A30 - A035	
Baby / MIDWAY MFG. CO. FRANKLIN PARK, ILL.			



REVISIONS

Raytheon MIDWAY MFG. CO.
FRANKLIN PARK, ILL.

PART NO. MO51-00A30 - A044

USED ON ASTRON BELT

NO. REED 1 PER

SOUND BD (PIONEER)
QB34-05195-0000

SCALE

HEAT TREAT

MAT

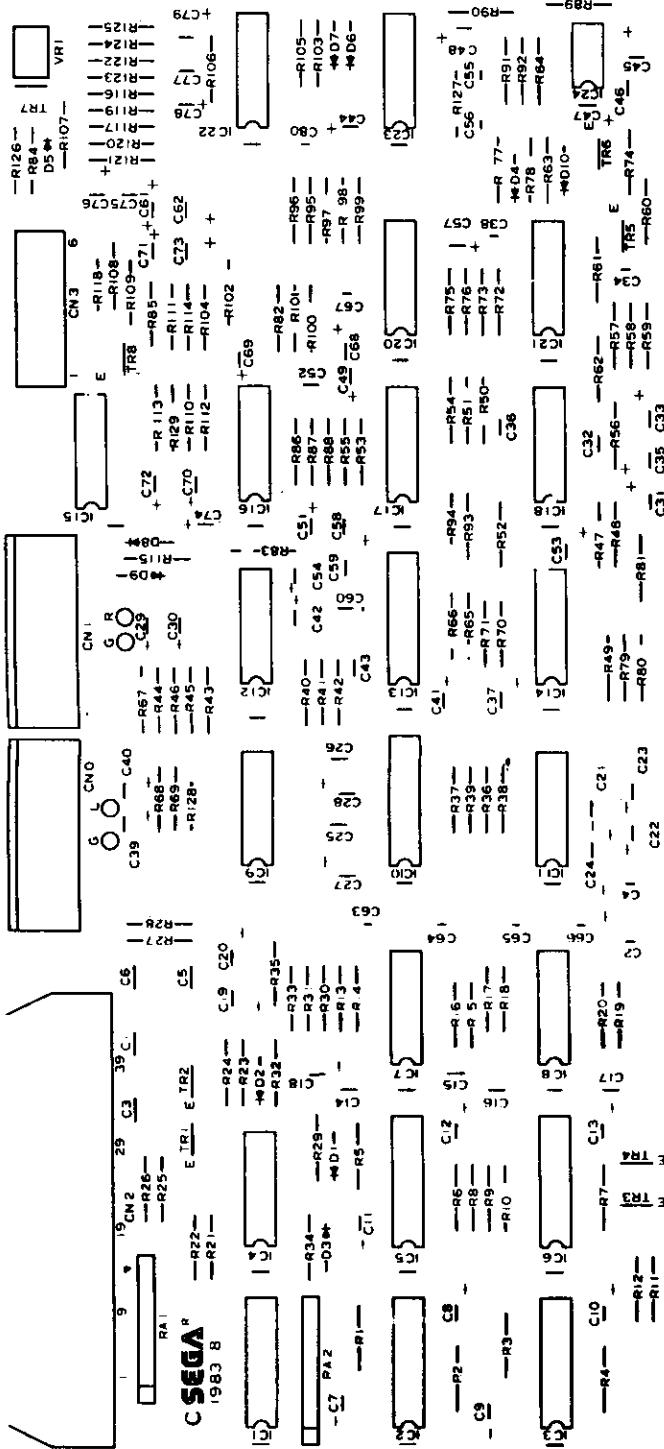
FINISH

PROJECT ENG. J. SZERSZEN

DATE 11/16/63

834-5195
ASSY SOUND BOARD
ASTRON BELT

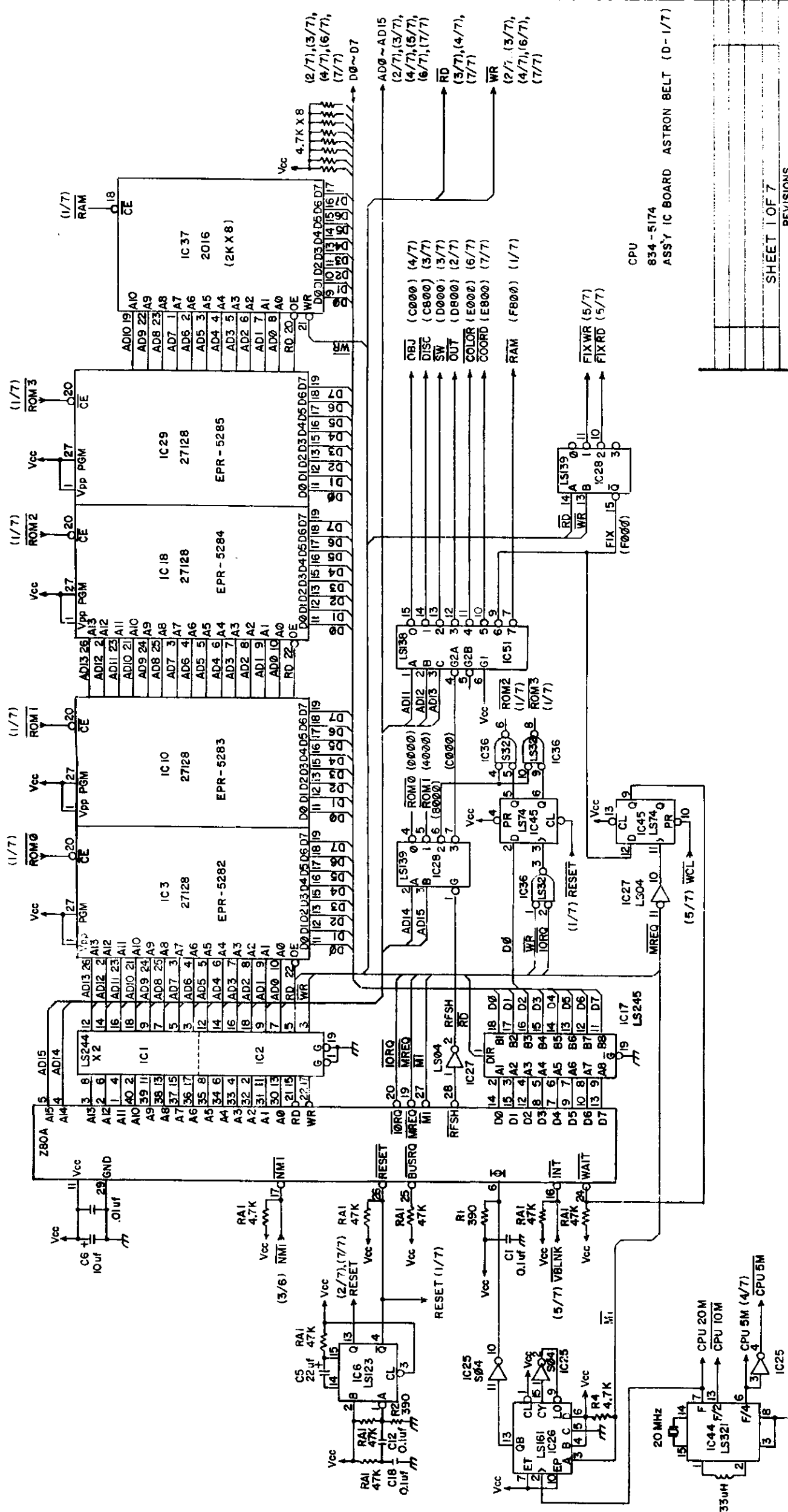
シルク印



SEGA 834-5274

REVISIONS	

PROJECT ENG:		USED ON ASTRON BELT		Baby / MIDWAY MFG. CO. FRANKLIN PK. ILL.	
DO NOT SCALE DWG.		SCALE FULL		NO. REQ'D 1 PER	
DIM. TOLERANCES UNLESS SPECIFIED		HEAT TREAT		PART NO.	
DRW. 1008		MATT'L.		M051 - 00A30 - A041	
CONCENTRICITY TIR .003		FINISH		PART NO.	
FRACTIONAL .001 / 164				M051 - 00A30 - A041	
DECIMAL .005					
HOLE DIA .002 .000					
DATE 11 / 09 / 83		SOUND P.C.			
		ASSY DWG			
		Q834-05272-0000			



PROJECT ENG: J. SZERSZEN
 SOURCE CONTROL: []
 DRAWN: []
 CHECKED: []
 DATE: 11 21 83

USED ON: ASTRON BELT
 SCALE: FULL
 NO RECD: 1 PER

HEAT TREAT: []
 FINISH: []

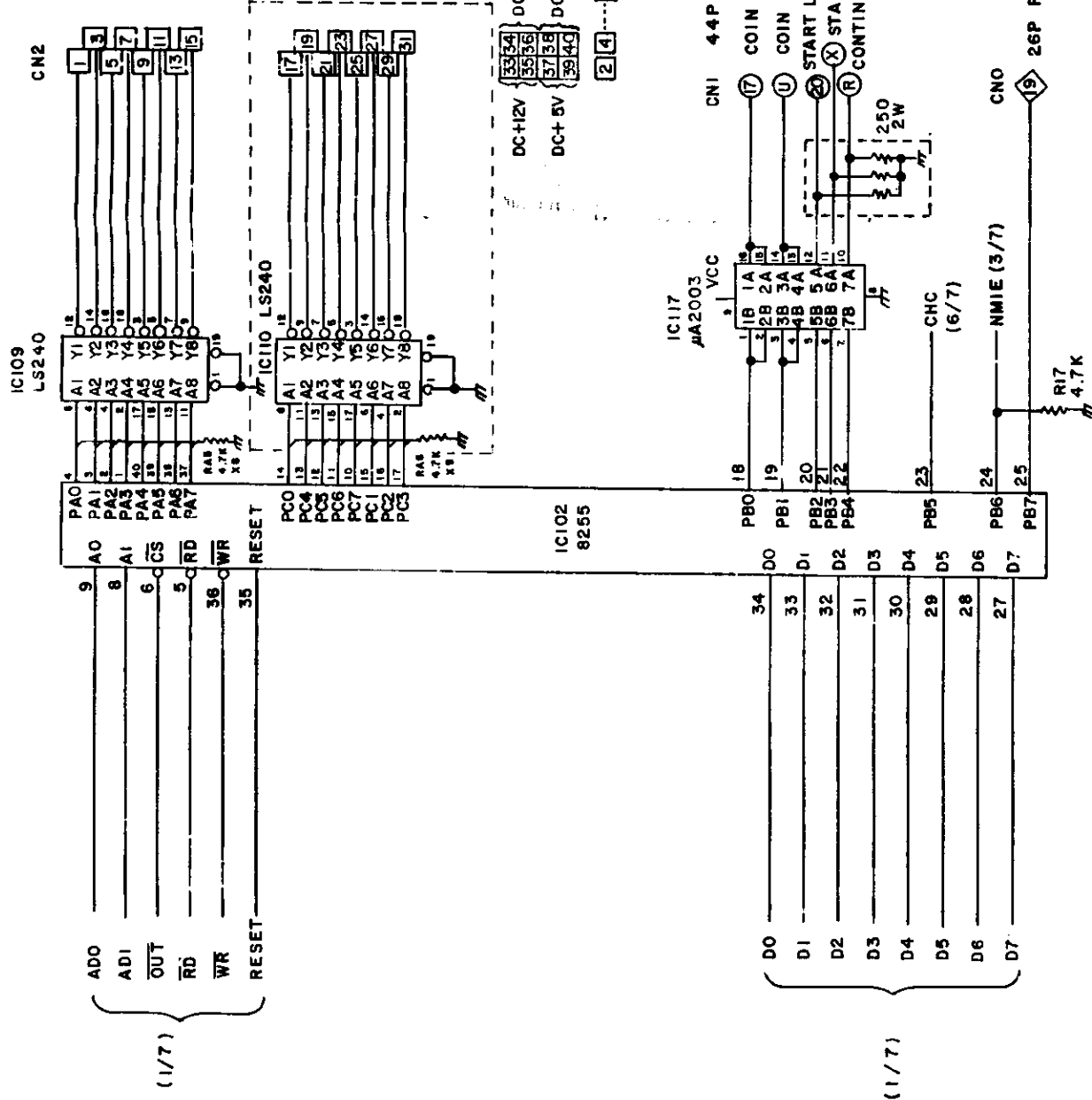
REVISIONS: SHEET 1 OF 7

ASTRON BELT
 CPU 834-5174
 ASSY IC BOARD ASTRON BELT (D-1/7)

Midway MFG. CO.
 FRANKLIN PA.

PART NO: M051 - 00A30 - A046
 SCHEMATIC DWG.
 MAIN IC BD. (PIONEER)
 Q834-05174-0300

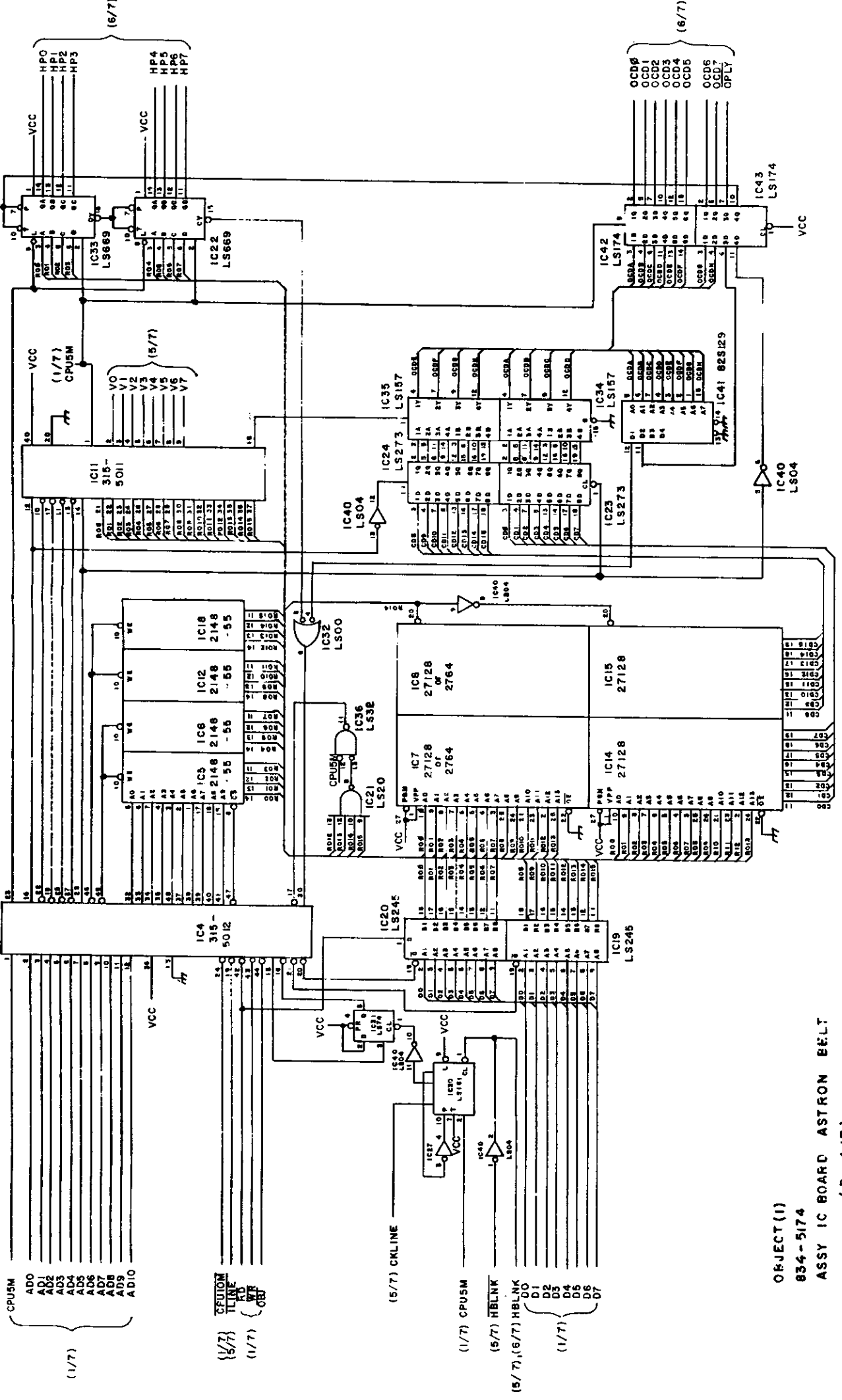
FOR SOUND
40P FLAT CABLE



OUTPUT
834-5174
ASSY IC BOARD ASTRON BELT
(D-2/7)

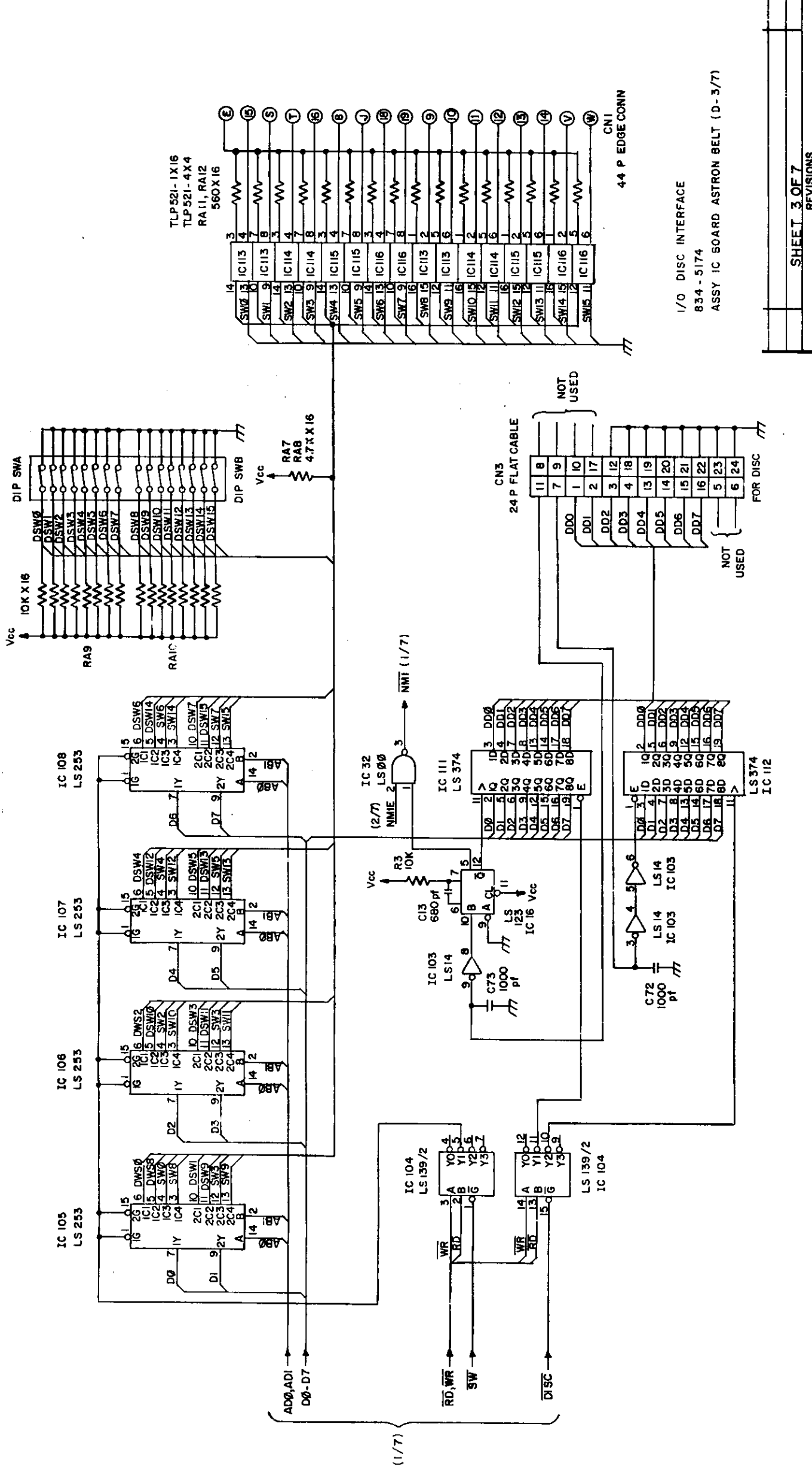
SHEET 2 OF 7
REVISIONS

PROJECT ENG: J. SZERSZEN		USED ON ASTRON BELT	
DO NOT SCALE DYS		SCALE	NO. REQ'D
DIM. TOLERANCES UNLESS OTHERWISE SPECIFIED		FULL	1 PER
MATERIAL		SCHEMATIC DWG.	
DRN: GAK	MAIN IC BD. (PIONEER)		
CHKD:	Q834-05174-0300		
DATE: 11/16/83	PART NO. M051-00A30 - A046		
Midway / MIDWAY MFG. CO. FRANKLIN PK. ILL.			



OBJECT (1)
 834-5174
 ASSY IC BOARD ASTRON BELT
 (D-4/7)

PROJECT ENG:		USED ON ASTRON BELT	
DO NOT REVISION		SCALE	NO REVD PER
DIM TOLERANCES UNLESS OTHERWISE SPECIFIED		FULL	
MATERIAL		MAIN IC BD. (PIONEER)	
DATE		Q834-05174-03CC	
DATE		11/2/83	
PART NO.		MO51 - 00A30 - A046	
FRANKLIN PK ILL		MIDWAY MFG. CO.	



TLP521-1X16
 TLP521-4X4
 RA11, RA12
 560X16

I/O DISC INTERFACE
 834-5174
 ASSY IC BOARD ASTRON BELT (D-3/7)

44 P EDGE CONN
 CN1

24 P FLAT CABLE
 CN3

SHEET 3 OF 7
 REVISIONS

PROJECT ENG: J. SZEPSPZEN

DO NOT SCALE DRAWING

DATE: 11/17/83

SCALE: FULL

NO. REQ'D: 1 PER

USED ON ASTRON BELT

SCHEMATIC DWG

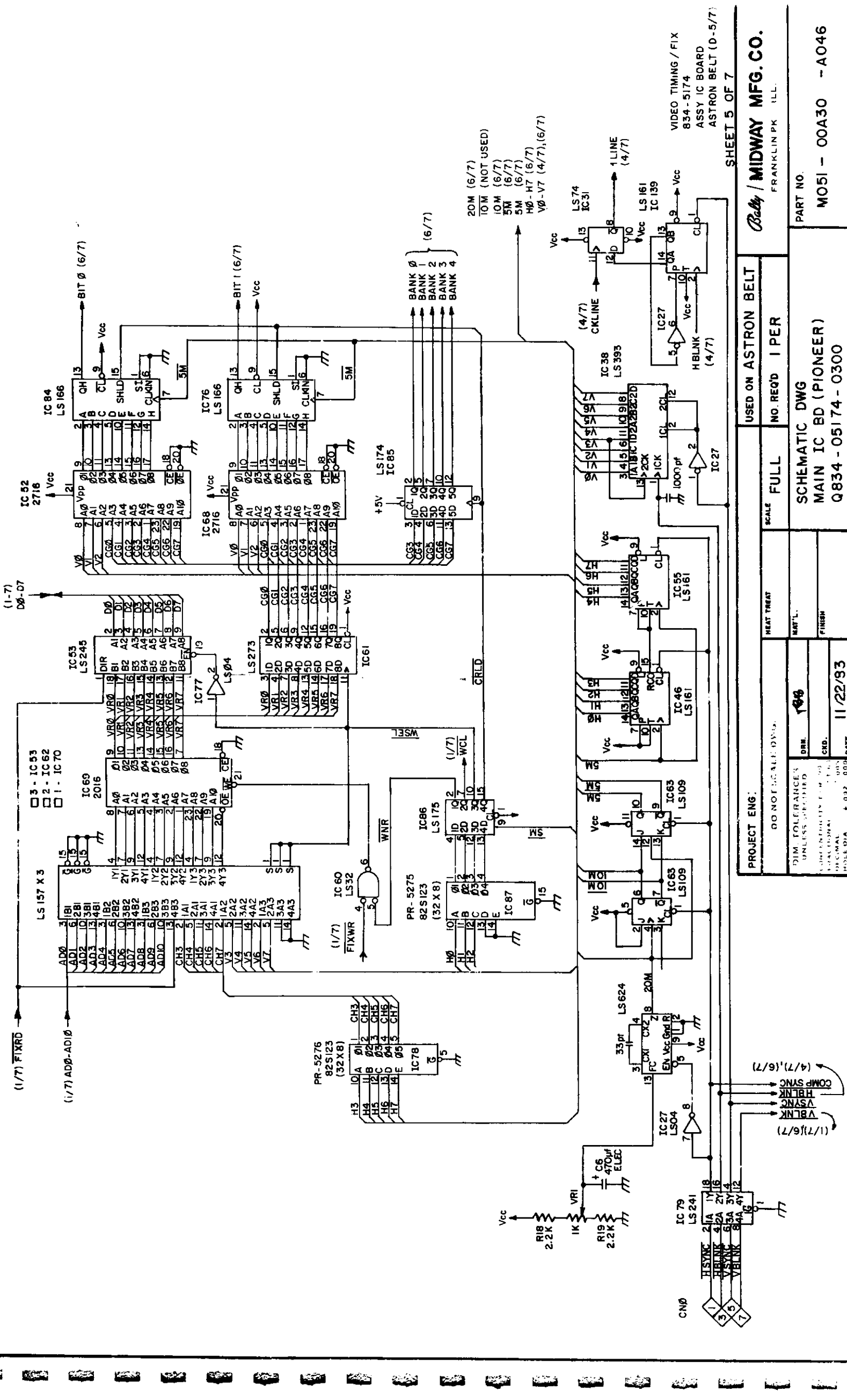
MAIN IC BD. (PIONEER)

Q534-05174-0300

PART NO. MO51 - 00A30 - A046

FRANKLIN PK. ILL.

Baldwin / MIDWAY MFG. CO.



(1-7) D0-D7
 (1-7) FIXRD
 (1-7) AD0-AD10
 (1-7) FIXWR
 (1-7) WCL
 (1-7) VBLNK
 (1-7) HBLNK
 (1-7) VSYNC
 (1-7) COMP SYNC
 (4-7), (6-7)

IC 52 2716
 IC 84 LS166
 IC 58 2716
 IC 69 2016
 IC 61
 IC 60 LS32
 PR-5276 82S123 (32X8)
 IC 78
 IC 79 LS241
 IC 27 LS04
 IC 46 LS161
 IC 55 LS161
 IC 27
 IC 38 LS393
 IC 31 LS74
 IC 139 LS161
 IC 27

V0 V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14 V15 V16 V17 V18 V19 V20 V21 V22 V23 V24 V25 V26 V27 V28 V29 V30 V31 V32 V33 V34 V35 V36 V37 V38 V39 V40 V41 V42 V43 V44 V45 V46 V47 V48 V49 V50 V51 V52 V53 V54 V55 V56 V57 V58 V59 V60 V61 V62 V63 V64 V65 V66 V67 V68 V69 V70 V71 V72 V73 V74 V75 V76 V77 V78 V79 V80 V81 V82 V83 V84 V85 V86 V87 V88 V89 V90 V91 V92 V93 V94 V95 V96 V97 V98 V99 V100

DIR A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
 VRL1 VRL2 VRL3 VRL4 VRL5 VRL6 VRL7 VRL8 VRL9 VRL10
 VR2 VR3 VR4 VR5 VR6 VR7 VR8 VR9 VR10
 VR11 VR12 VR13 VR14 VR15 VR16 VR17 VR18 VR19 VR20
 VR21 VR22 VR23 VR24 VR25 VR26 VR27 VR28 VR29 VR30
 VR31 VR32 VR33 VR34 VR35 VR36 VR37 VR38 VR39 VR40
 VR41 VR42 VR43 VR44 VR45 VR46 VR47 VR48 VR49 VR50
 VR51 VR52 VR53 VR54 VR55 VR56 VR57 VR58 VR59 VR60
 VR61 VR62 VR63 VR64 VR65 VR66 VR67 VR68 VR69 VR70
 VR71 VR72 VR73 VR74 VR75 VR76 VR77 VR78 VR79 VR80
 VR81 VR82 VR83 VR84 VR85 VR86 VR87 VR88 VR89 VR90
 VR91 VR92 VR93 VR94 VR95 VR96 VR97 VR98 VR99 VR100

H0 H1 H2 H3 H4 H5 H6 H7 H8 H9 H10 H11 H12 H13 H14 H15 H16 H17 H18 H19 H20 H21 H22 H23 H24 H25 H26 H27 H28 H29 H30 H31 H32 H33 H34 H35 H36 H37 H38 H39 H40 H41 H42 H43 H44 H45 H46 H47 H48 H49 H50 H51 H52 H53 H54 H55 H56 H57 H58 H59 H60 H61 H62 H63 H64 H65 H66 H67 H68 H69 H70 H71 H72 H73 H74 H75 H76 H77 H78 H79 H80 H81 H82 H83 H84 H85 H86 H87 H88 H89 H90 H91 H92 H93 H94 H95 H96 H97 H98 H99 H100

V0 V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12 V13 V14 V15 V16 V17 V18 V19 V20 V21 V22 V23 V24 V25 V26 V27 V28 V29 V30 V31 V32 V33 V34 V35 V36 V37 V38 V39 V40 V41 V42 V43 V44 V45 V46 V47 V48 V49 V50 V51 V52 V53 V54 V55 V56 V57 V58 V59 V60 V61 V62 V63 V64 V65 V66 V67 V68 V69 V70 V71 V72 V73 V74 V75 V76 V77 V78 V79 V80 V81 V82 V83 V84 V85 V86 V87 V88 V89 V90 V91 V92 V93 V94 V95 V96 V97 V98 V99 V100

BANK 0
 BANK 1
 BANK 2
 BANK 3
 BANK 4

20M (6/7)
 10M (6/7)
 5M (6/7)
 H0-H7 (6/7)
 V0-V7 (4/7), (6/7)

VIDEO TIMING / FIX
 834-5174
 ASSY IC BOARD
 ASTRON BELT (D-5/7)

SHEET 5 OF 7

USED ON ASTRON BELT

SCALE FULL

NO REQ'D I PER

HEAT TREAT

DIM TOLERANCES UNLESS SPECIFIED

DRW. 104

DATE 11/22/93

PROJECT ENG.

DO NOT SCALE DIMS.

MATERIAL FINISH

SCHEMATIC DWG

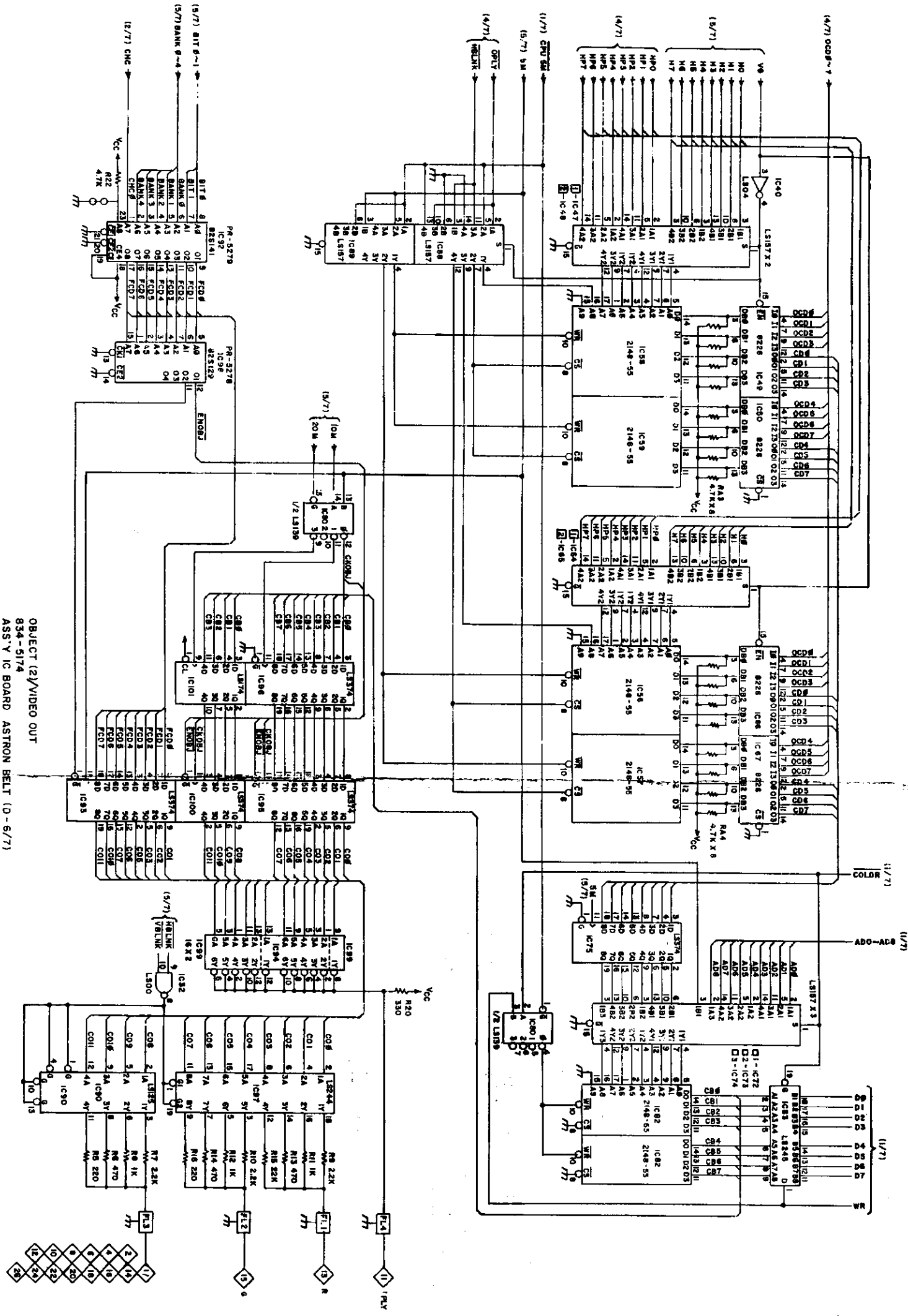
MAIN IC BD (PIONEER)

Q834-05174-0300

PART NO. MO51-00A30-A046

Bally / MIDWAY MFG. CO.

FRANKLIN PK ILL.

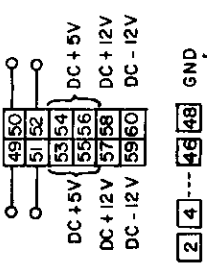
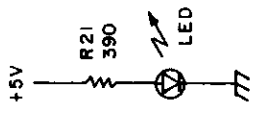
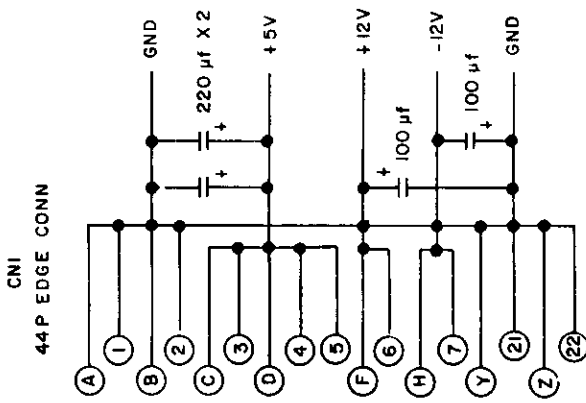
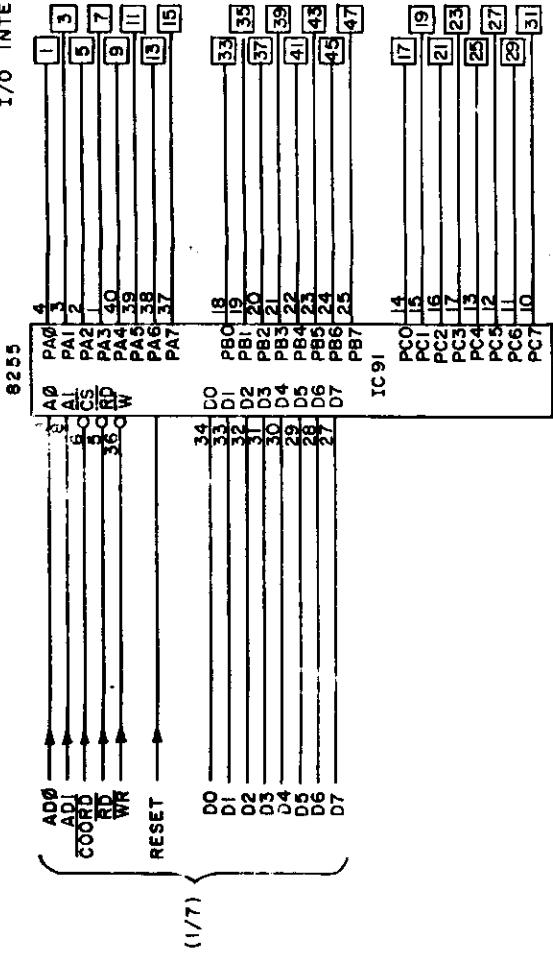


OBJECT (2)VIDEO OUT
 834-5174
 ASS'Y IC BOARD ASTRON BELT (D-6/7)

SHEET 6 OF 7
 REVISIONS

PROJECT ENG	J. SZERSZEN	USED ON ASTRON BELT		Bally / MIDWAY MFG. CO. FRANKLIN, PA. U.S.A.
DATE	11/21/83	SCALE	FULL	
DESIGNED BY	RLW	NO REQ'D	1 PER	PART NO M051 - 00A30 - A046
CHECKED BY		SCHEMATIC DWG. MAIN IC BD. (PIONEER) Q834-05174-0300		

CN4
I/O INTERFACE



50P FLAT CABLE

I/O INTERFACE
834-5174
ASSY IC BOARD ASTRON BELT (D-7/7)

SHEET 7 OF 7
REVISONS

PROJECT ENG. J. SZERSZEN		USED ON ASTRON BELT		PART NO	
DATE 11/16/83		NO REQ'D 1 PER		MO51 - 00A30 - A046	
SCALE FULL		SCHEMATIC DWG		FRANKLIN, D.	
HEAT TREAT		MAIN IC BD (PIONEER)		MIDWAY	
DATE 11/16/83		Q834-05174-0300		PART NO	