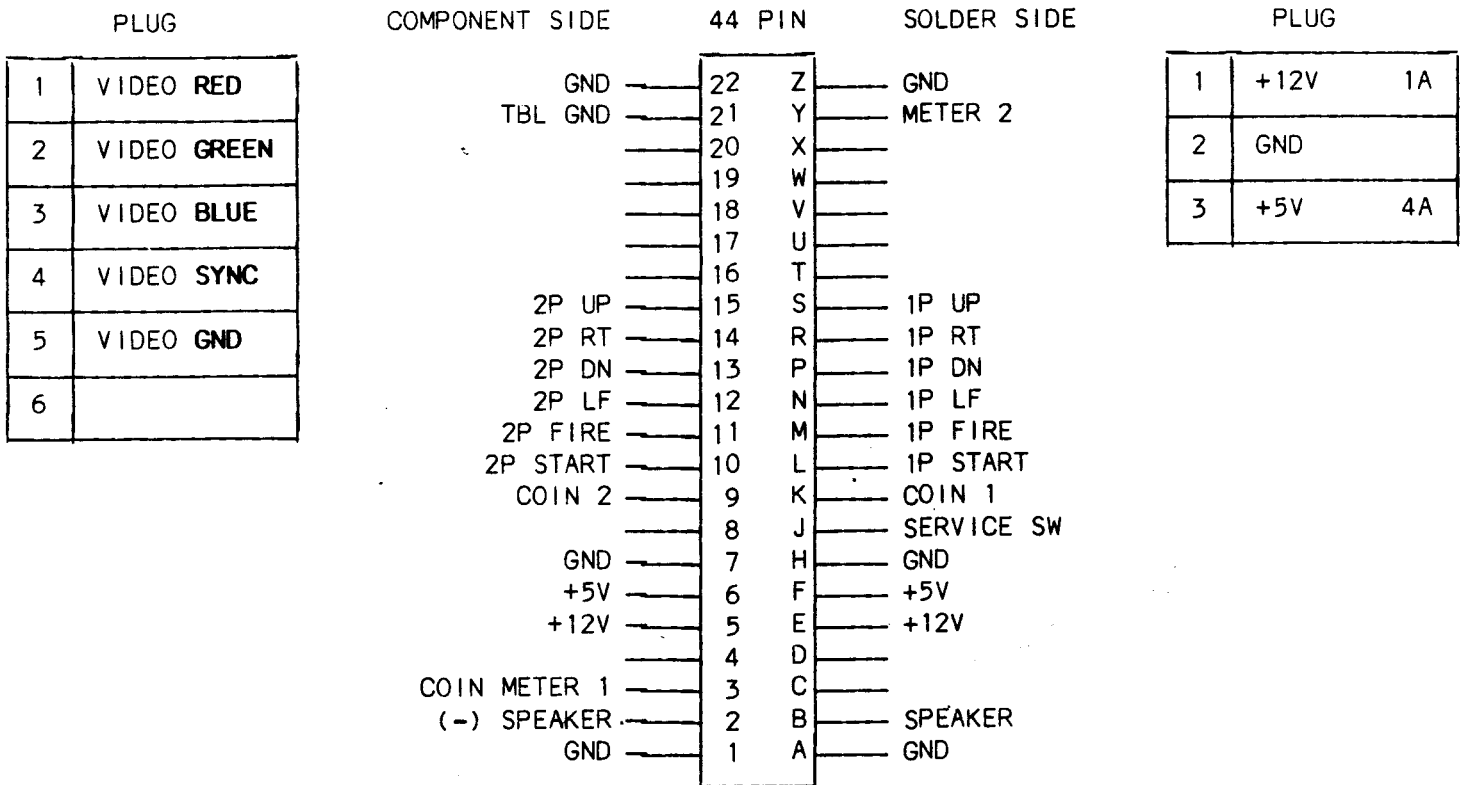


G A L A G A I I I G E N E R I C C O N V E R S I O N K I T

M 0 5 1 - 0 0 B 8 6 - A 0 0 4

Pin-out information follows:



Power supply information shown at right:

POWER SUPPLY VOLTAGES AND CURRENT SPECS.	
VOLTAGE	CURRENT
DC 5 VOLTS	4 AMPS
DC 12 VOLTS	1 AMP

GAME USES A 8 WAY JOYSTICK AND A FIRE BUTTON.

MODIFY YOUR CONTROL PANEL AS NEEDED TO ACCEPT THE ABOVE CONTROLS; APPLY THE GENERIC CONTROL PANEL OVERLAY TO THE TOP SURFACE OF YOUR CONTROL PANEL AND CUT OUT THE NECESSARY HOLES; INSTALL THE CONTROLS TO YOUR NEWLY MODIFIED CONTROL PANEL.

CENTER YOUR GAMES OLD HEADER ON THE NEW OVER-SIZE HEADER PROVIDED IN YOUR KIT; DRAW A LINE AROUND IT AND CUT OUT YOUR NEW HEADER; TRIM IT FOR PROPER FIT IN YOUR GAME.

INSTALL THE NEW GAME PLAY INSTRUCTION CARD WHERE IT WILL BE PLAINLY VISIBLE AND WILL NOT BLOCK THE PLAYER'S VIEW OF THE GAME.

APPLY GENERIC SIDE DECALS TO GAME; TRIM TO FIT AS DESIRED. WE SUGGEST THEY BE TRIMMED BACK ONE INCH FROM FRONT EDGE OF CABINET TO DISCOURAGE THEIR BEING PEELED BACK BY PATRONS.

G A L A G A I I I

OPTION SWITCH SETTINGS - DIP SWITCH "A"

//////////////////////////////////////VARIOUS GAME PLAY OPTIONS//////////////////////////////////////

NUMBER OF FIGHTERS GAME BEGINS WITH		<u>SW#1</u>	<u>SW#2</u>	<u>SW#3</u>	<u>SW#4</u>	<u>SW#5</u>	<u>SW#6</u>	<u>SW#7</u>	<u>SW#8</u>
* 3 FIGHTERS		OFF	OFF				NOT		
2 FIGHTERS		OFF	ON				USED		
4 FIGHTERS		ON	OFF				OFF		
5 FIGHTERS		ON	ON				OFF		
COIN #1 - NUMBER OF COINS PER CREDIT		<u>SW#1</u>	<u>SW#2</u>	<u>SW#3</u>	<u>SW#4</u>	<u>SW#5</u>	<u>SW#6</u>	<u>SW#7</u>	<u>SW#8</u>
* 1 COIN 1 CREDIT				OFF	OFF		OFF		
1 COIN 2 CREDITS				OFF	ON		OFF		
2 COINS 1 CREDIT				ON	OFF		OFF		
3 COINS 1 CREDIT				ON	ON		OFF		
SOUND		<u>SW#1</u>	<u>SW#2</u>	<u>SW#3</u>	<u>SW#4</u>	<u>SW#5</u>	<u>SW#6</u>	<u>SW#7</u>	<u>SW#8</u>
* SOUND IN ATTRACT MODE						OFF	OFF		
NO SOUND IN ATTRACT MODE						ON	OFF		
COIN #2 - NUMBER OF COINS PER CREDIT		<u>SW#1</u>	<u>SW#2</u>	<u>SW#3</u>	<u>SW#4</u>	<u>SW#5</u>	<u>SW#6</u>	<u>SW#7</u>	<u>SW#8</u>
* 1 COIN 1 CREDIT							OFF	OFF	OFF
1 COIN 2 CREDITS							OFF	OFF	ON
2 COINS 1 CREDIT							OFF	ON	OFF
3 COINS 1 CREDIT							OFF	ON	ON
* INDICATES FACTORY RECOMMENDED SETTINGS							PART NO. M051-00C41-C007		

G A L A G A I I I

OPTION SWITCH SETTINGS - DIP SWITCH "B"

//////////////////////////////////VARIOUS GAME PLAY OPTIONS//////////////////////////////////

SELF-TEST MODE	<u>SW#1</u> <u>SW#2</u> <u>SW#3</u> <u>SW#4</u> <u>SW#5</u> <u>SW#6</u> <u>SW#7</u> <u>SW#8</u>
* NORMAL TEST	OFF ON
"RANK" = DIFFICULTY LEVEL OF PLAY	<u>SW#1</u> <u>SW#2</u> <u>SW#3</u> <u>SW#4</u> <u>SW#5</u> <u>SW#6</u> <u>SW#7</u> <u>SW#8</u>
EASIEST LEVEL OF PLAY 1	OFF OFF ON
* 0 STANDARD LEVEL OF PLAY	OFF OFF OFF
PROGRESSIVELY 2	OFF ON OFF
MORE 3	OFF ON ON
DIFFICULT 4	ON OFF OFF
LEVELS OF 5	ON OFF ON
PLAY 6	ON ON OFF
7	ON ON ON
** ROUND ADVANCE	<u>SW#1</u> <u>SW#2</u> <u>SW#3</u> <u>SW#4</u> <u>SW#5</u> <u>SW#6</u> <u>SW#7</u> <u>SW#8</u>
* NORMAL ADVANCE	OFF ON
BONUS SHIPS AWARDED AT:	<u>SW#1</u> <u>SW#2</u> <u>SW#3</u> <u>SW#4</u> <u>SW#5</u> <u>SW#6</u> <u>SW#7</u> <u>SW#8</u>
1st @ 30,000; 2nd @ 100,000 & every 200,000	OFF OFF OFF
1st @ 30,000; 2nd @ 150,000	OFF OFF ON
1st @ 30,000; 2nd @ 100,000 & every 300,000	OFF ON OFF
1st @ 30,000; 2nd @ 100,000 & every 150,000	OFF ON ON
* 1st @ 30,000; 2nd @ 100,000 & every 100,000	ON OFF OFF
* 1st @ 30,000; 2nd @ 80,000 & every 100,000	ON OFF ON
1st @ 50,000; 2nd @ 150,000 & every 200,000	ON ON OFF
1st @ 50,000; 2nd @ 150,000 & every 150,000	ON ON ON
** BY TURNING "ON" THE OPTION SWITCH WHILE "PARSEC" IS BEING INDICATED ON THE SCREEN, YOU CAN ADVANCE THROUGH THE "ROUNDS". PUSH THE ONE PLAYER CONTROL LEVER FORWARD (PLAYER NUMBER ONE UP SWITCH IS "ON") TO INDICATE THE NUMBER. THE INDICATED ROUND NUMBER WILL APPEAR ON THE MONITOR SCREEN WHEN THE OPTION SWITCH IS TURNED "OFF".	
* INDICATES FACTORY RECOMMENDED SETTINGS	PART NO. M051-00C41-C007

BALLY/MIDWAY'S GALAGA 3

U.R. #0B86

PROGRAMED PART NUMBERS

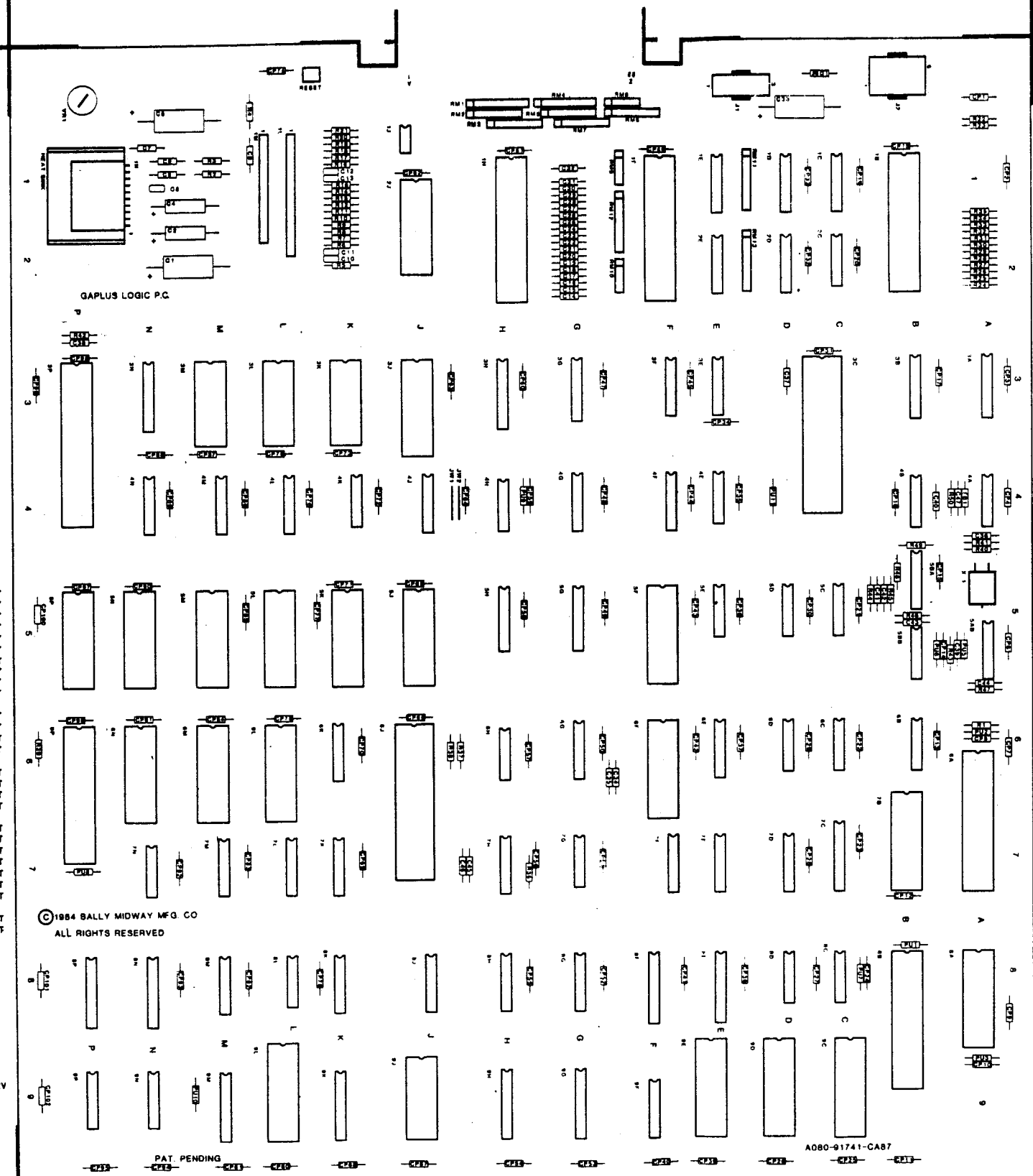
UNPROGRAMED LOGIC BD. A082-91741-BA87
PROGRAMED GALAGA 3 LOGIC BD. A084-91741-BA86

POS.	MIDWAY PART NUMBER
8N	0A87-00803-0003
3E	0C41-00803-0002
3F	0C41-00803-0003
1D	0A87-00803-0006
2D	0A87-00803-0007
1C	0A87-00803-0008
4F	0A87-00803-0009
8G	0A87-00803-0010
7B0	0A87-00803-0011
9C1	0A87-00803-0012
9D2	0A87-00803-0013
9E3	0A87-00803-0014
9L4	0C41-00803-0001
6N5	0A87-00803-0016
6M6	0A87-00803-0017
6L	0A87-00803-0018
5N	0A87-00803-0019
5L	0A87-00803-0020
5M	0A87-00803-0021
5K	0A87-00803-0022

11/16/84	RELEASE FOR PRODUCTION	

DESIGNATION LIST

Table with 2 columns: DESIGNATION NO. and DESCRIPTION. Lists various electronic components such as resistors (e.g., 10K OHM 1/4W 5%), capacitors (e.g., .01UF AX CER), ICs (e.g., 68A09E CPU), and sockets (e.g., 40 PIN IC SOCKET).



CROSS REFERENCE LIST

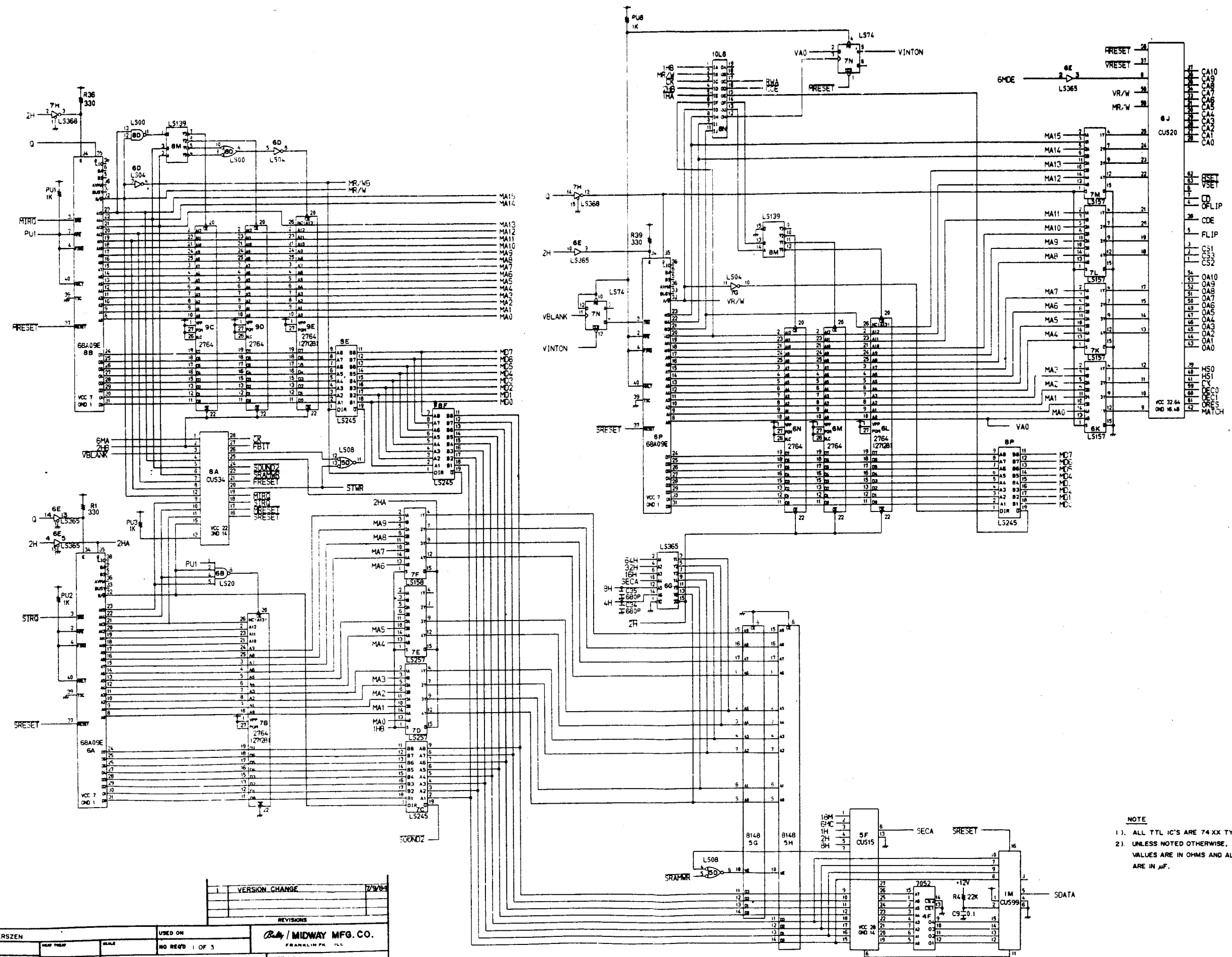
Table with 6 columns: DESCRIPTION, QTY, DESIGNATION NO., PART NUMBER, DESCRIPTION, QTY, DESIGNATION NO., PART NUMBER. It maps components from the Designation List to their respective part numbers and descriptions. For example, '10K OHM 1/4W 5%' is listed as part number '74LS245'.

NOTE: EPROM CHART IN BACK OF CATALOG.

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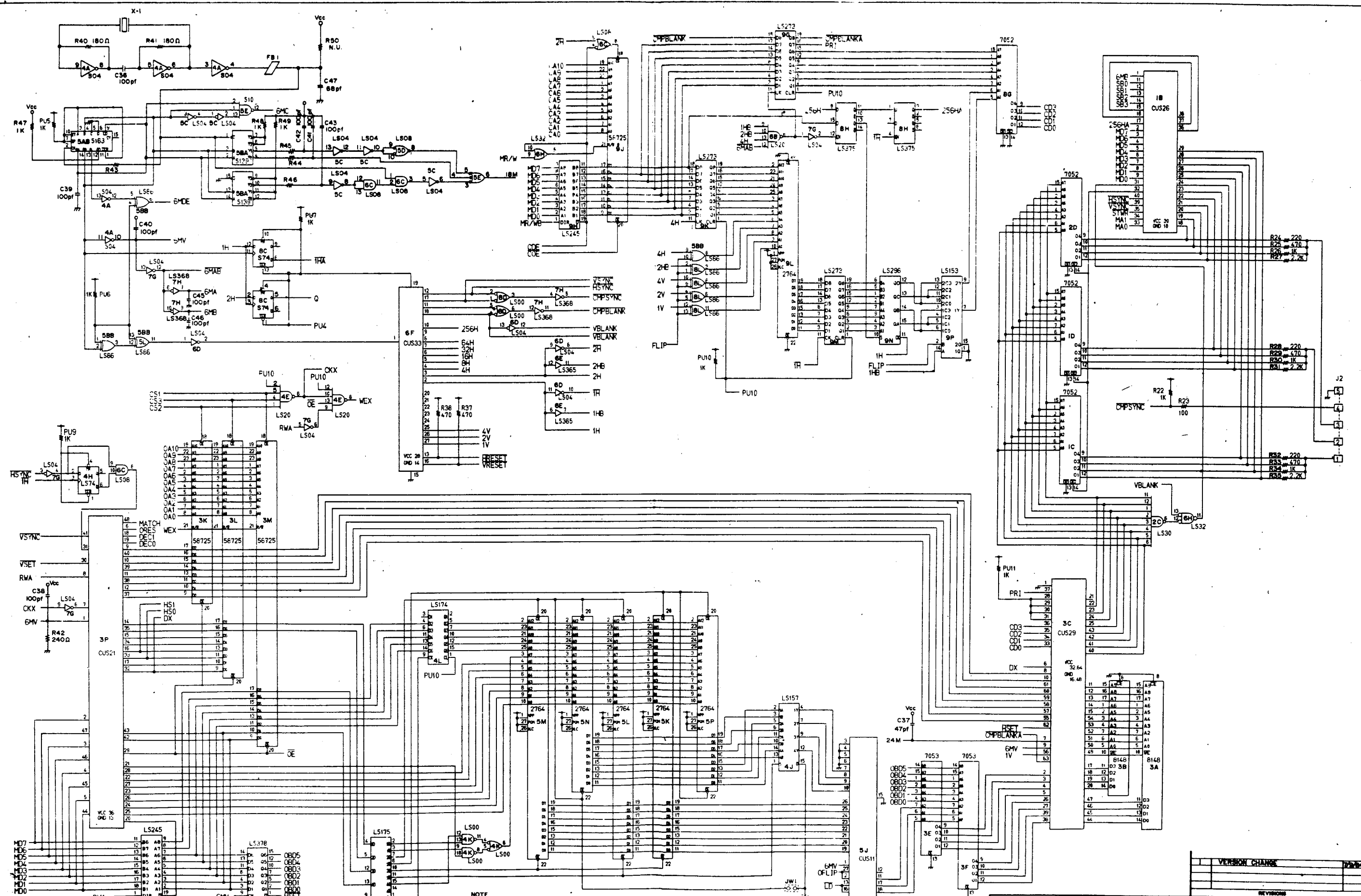
A080-91741-CAB7

Technical drawing footer containing: DIM TOLERANCES (UNLESS OTHERWISE SPECIFIED...), GALAG3 logo, Bally/MIDWAY MFG. CO. logo, ASS'Y DRAWING GALAGA3 LOGIC BD., A084-91741-AB06, and a REVISIONS table.



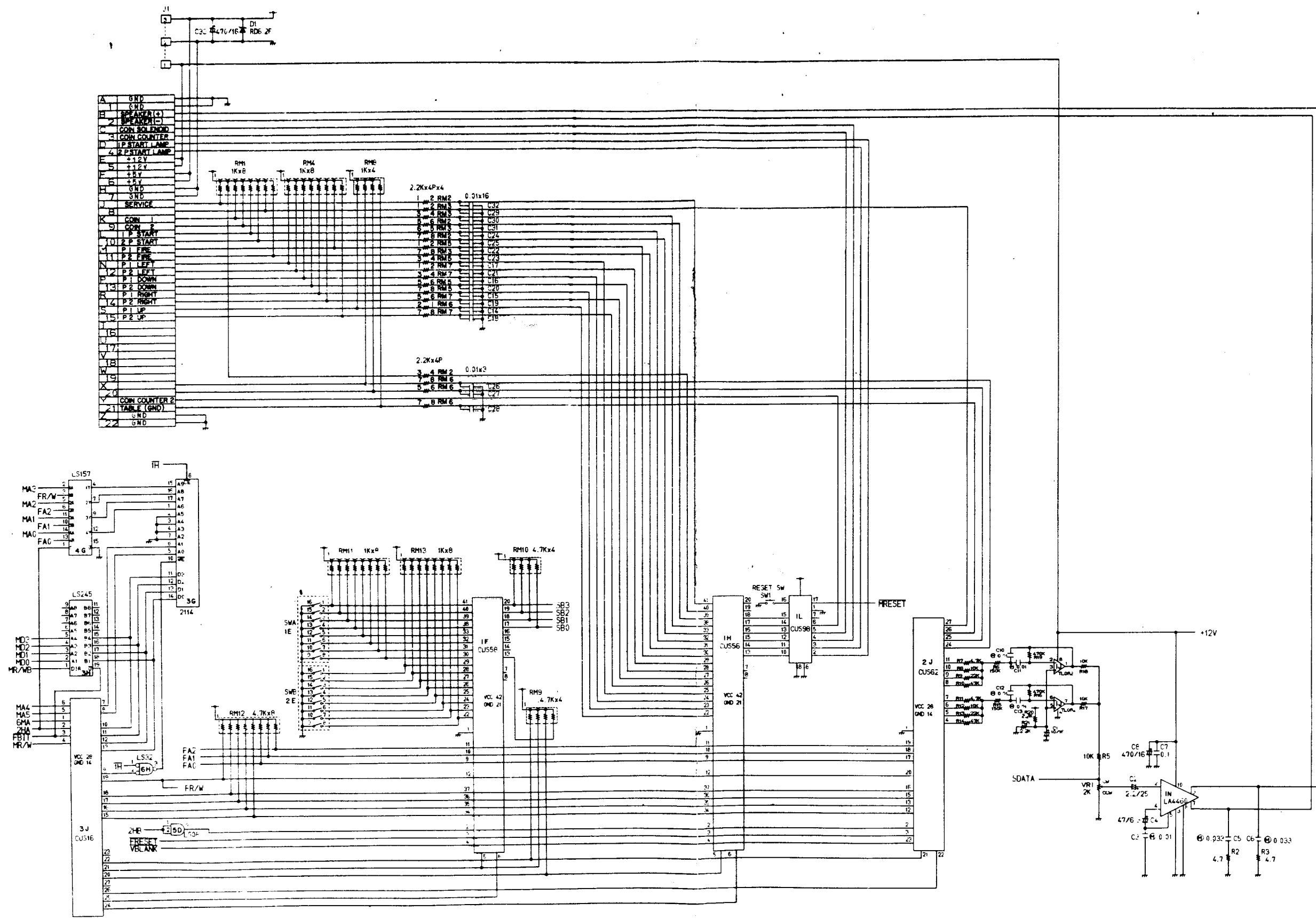
PROJECT ENG: JERRY SZERSZEN		USED ON: NO REVD 1 OF 3		REVISIONS: 1 VERSION CHANGE 7/9/84	
DO NOT SCALE		SCALE: NONE		PART NO: M051 - 00886 - A006	
SHEMATIC DRAWING		GALAGA 3 LOGIC P.C.		A084 - 91741 - AB86	
11-20-84					

NOTE
 1. ALL TTL IC'S ARE 74XX TYPE.
 2. UNLESS NOTED OTHERWISE, ALL RESISTOR VALUES ARE IN OHMS AND ALL CAPACITORS ARE IN uF.



PROJECT ENG. JERRY SZERSZEN		USED ON		Baldwin MIDWAY MFG. CO.	
DO NOT SCALE DIMS		NO REQ. 2 OF 3		FRANKLIN, IL	
DIM. TOLERANCES UNLESS SPECIFIED		SCHEMATIC DRAWING		PART NO.	
DATE		CAL 68-3 LOGIC B-C			

VERSION CHANGE	REVISIONS



NOTE
 1) ALL TTL IC'S ARE 74XX TYPE.
 2) UNLESS NOTED OTHERWISE, ALL RESISTOR VALUES ARE IN OHMS AND ALL CAPACITORS ARE IN μF .
 3) $\text{\textcircled{M}}$ DENOTES POLYESTER FILM CAP.

VERSION CHANGE	DATE

PROJECT ENG. JERRY SZERSZEN	USED ON	NO REV'S .3 OF 3	REVISIONS
DO NOT SCALE DWG.	NO REV'S .3 OF 3		
DWG TOLERANCES UNLESS OTHERWISE SPECIFIED	DATE 11/20/84	SCHMATIC DRAWING GALAGA 3 LOGIC P.C. A084-91741-ABB6	PART NO. M051 - 00B86 - A006

Bally / MIDWAY MFG. CO.
 FRANKLIN, PA. U.S.A.