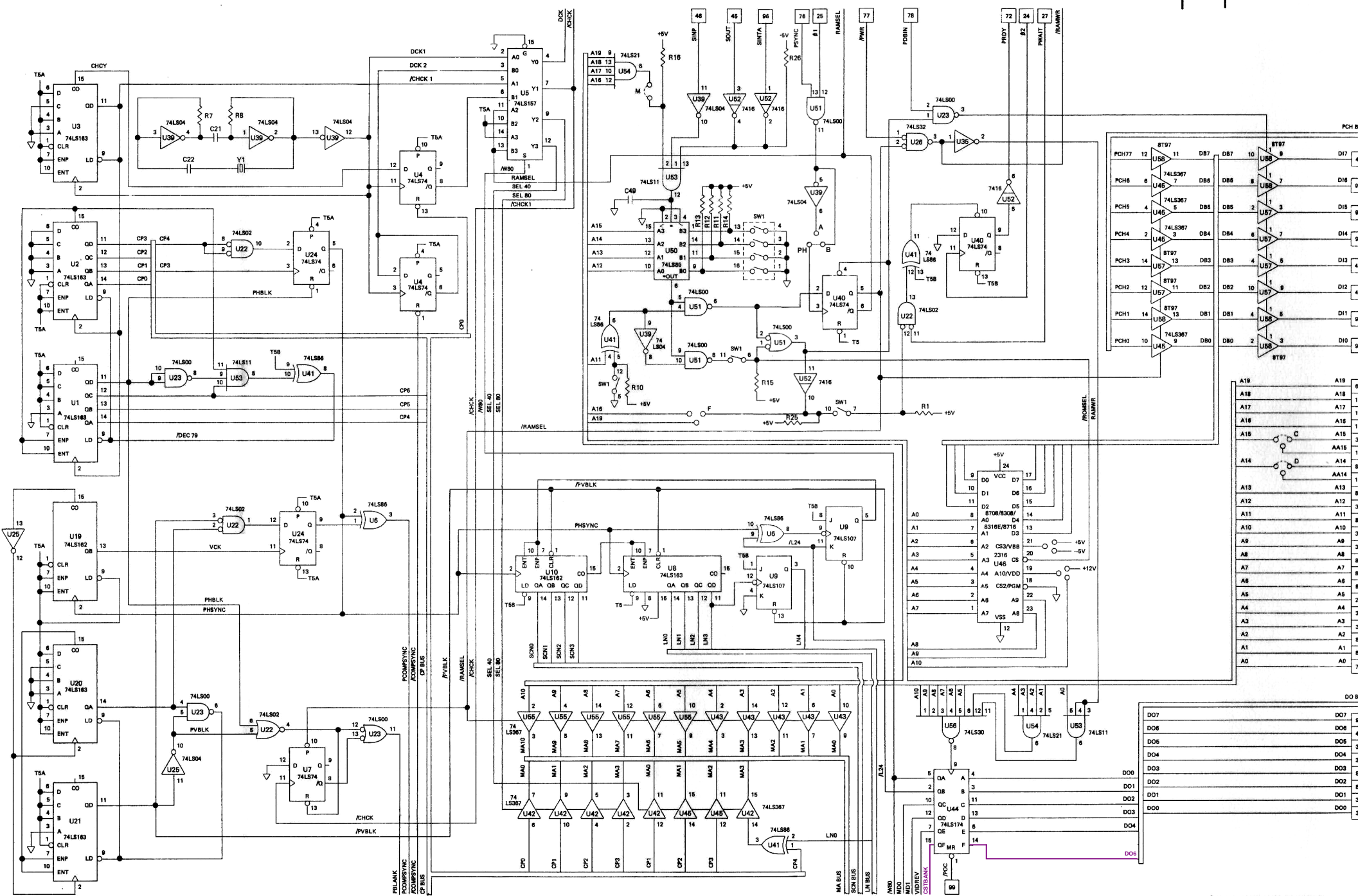


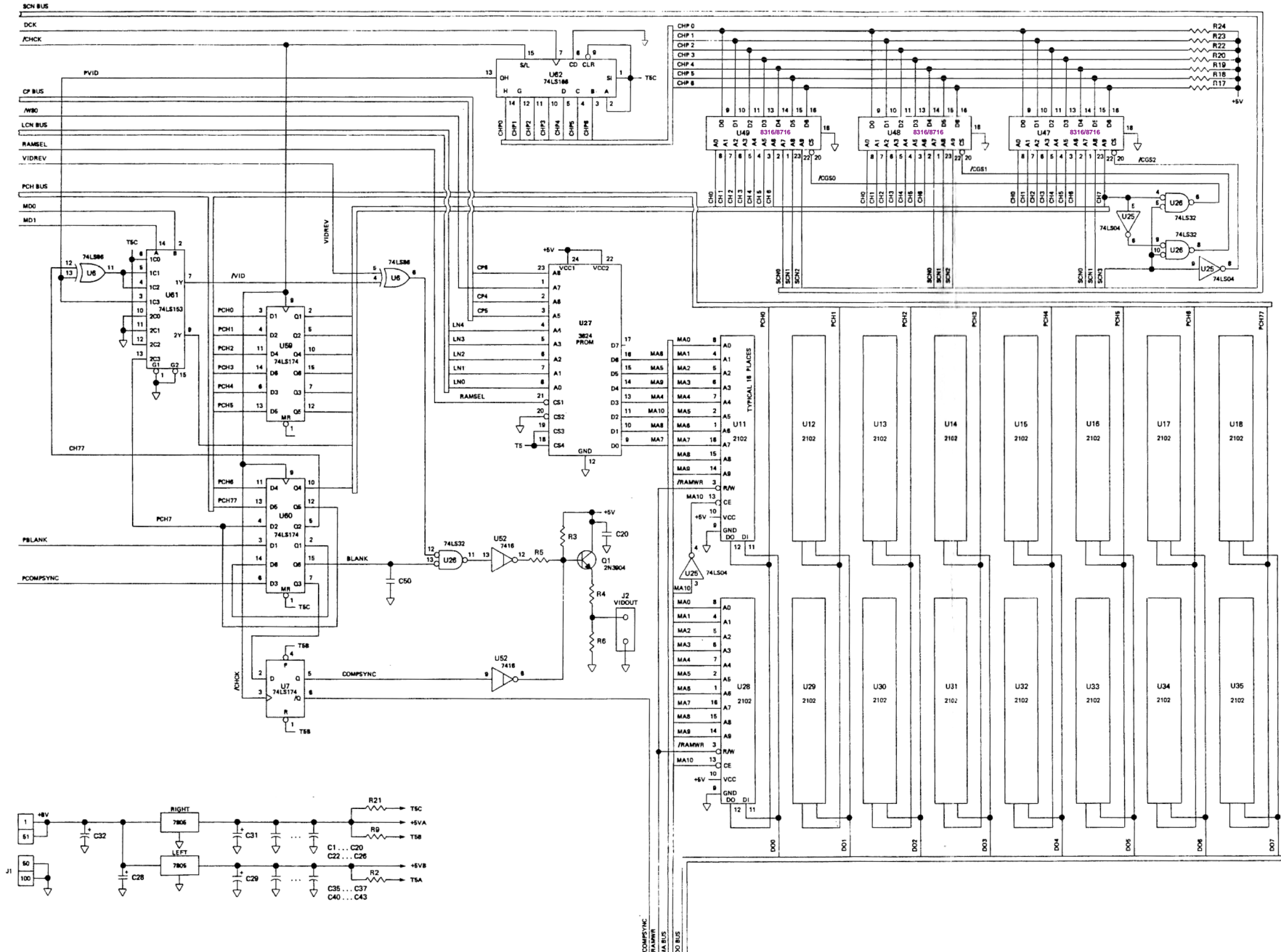
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED



TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DEC. ANGLES ± ± ±		© 1977 IMSAI MFG. CORP., SAN LEANDRO, CA. ALL RIGHTS RESERVED WORLDWIDE MADE IN U.S.A.	
APPROVALS	DATE	IMSAI SYSTEM VIO REV. 1 2716 CHARGEN MODS SCHEMATIC DIAGRAM	
DRAWN		SCALE	SIZE DRAWING NO.
CHECKED			B
DO NOT SCALE DRAWING		SHEET 1 OF 2	

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
0	ORIGINAL REV. 1	6/77	



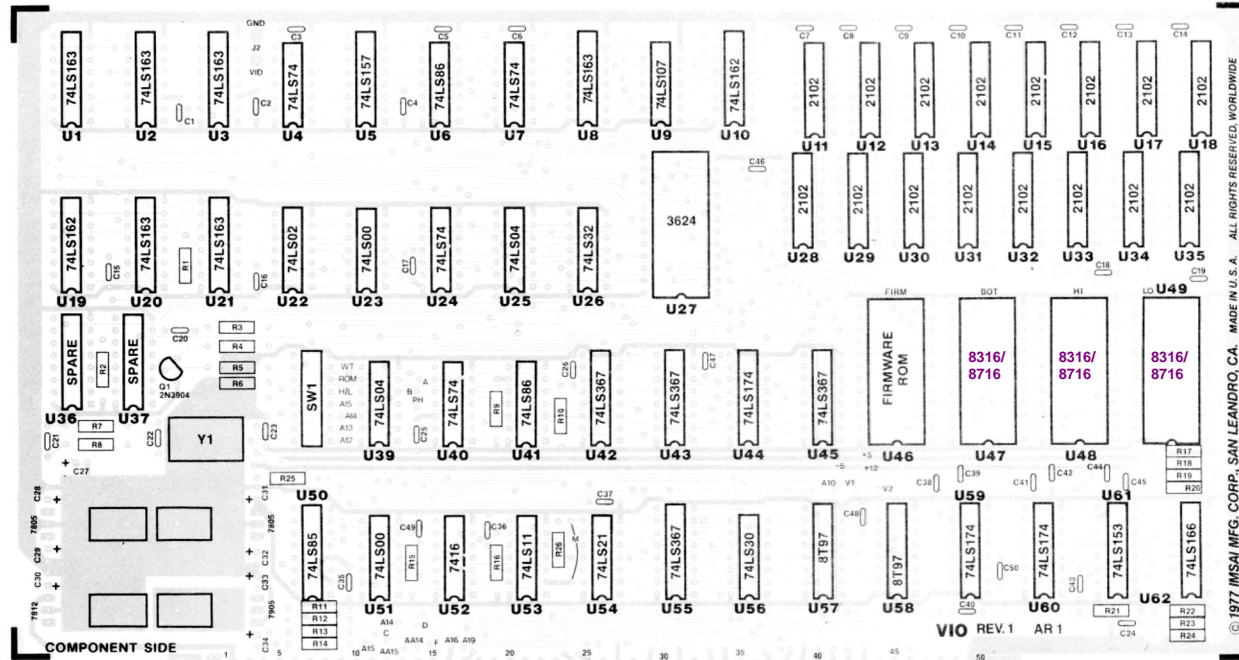
TO U47-19, U48-19, AND U49-19 (A10). THESE PINS ARE CONNECTED TO THE +12V SUPPLY RAIL (NOT SHOWN ON THE SCHEMATIC). ALL COMPONENTS HAVE NOW BEEN REMOVED FROM THE +12V SUPPLY RAIL ALLOWING US TO CONNECT TO THE +12V LINE. THIS BECOMES THE CHARACTER SET BANK SWITCH.

U47-21, U48-21, AND U49-21 ARE CONNECTED TO THE THE 5V SUPPLY RAIL (NOT SHOWN ON THE SCHEMATIC). ALL COMPONENTS HAVE NOW BEEN REMOVED FROM THE 5V SUPPLY RAIL FOR PROPER FUNCTION OF THE 8316/8716. THE 5V SUPPLY RAIL IS CONNECTED TO +5V.

- | | | | |
|--------------|-----------------|--------------|------------------|
| U1 THRU U3 | 74LS163 | U62 | 74LS166 |
| U8 | | C1 THRU C20 | |
| U20 | | C23 THRU C26 | .1 uF |
| U21 | | C35 THRU C48 | |
| U4 | 74LS74 | | |
| U7 | | | |
| U24 | | | |
| U40 | | | |
| U5 | 74LS157 | | |
| U6 | 74LS86 | C21 | .001 uF |
| U41 | 74LS107 | C49 | |
| U9 | | C22 | 20 pF |
| U10 | | C27 THRU C34 | 2.2 uF 25V |
| U19 | 74LS162 | C50 | 470 pF |
| U11 THRU U18 | 2102 AL-4 | Q1 | 2N3904 |
| U28 | | R1 | |
| U35 | | R10 THRU R16 | 2.2K 1/4W |
| U22 | 74LS02 | R25 | |
| U23 | 74LS00 | R26 | |
| U51 | | R2 | 1K 1/4W |
| U25 | 74LS04 | R9 | |
| U39 | 74LS32 | R21 | |
| U26 | 3624 W/ VIO MAP | R3 | 470 1/4W |
| U27 | | R7 | |
| U36 | SPARE | R8 | |
| U37 | | R4 | 100 1/4W |
| U42 | | R5 | 150 1/4W |
| U43 | 74LS367 | R17 THRU R20 | 4.7K 1/4W |
| U45 | | R22 | |
| U55 | | R24 | |
| U44 | 74LS174 | S1 | 8 POSITION DIP |
| U59 | | Y1 | 12.2304 MHz XTAL |
| U60 | | | |
| U46 | 2316 SMP/80.0 | | |
| U47 | | | |
| U49 | 8316/8716 | | |
| U50 | 74LS85 | | |
| U52 | 7416 | | |
| U53 | 74LS11 | | |
| U54 | 74LS21 | | |
| U56 | 74LS30 | | |
| U57 | 8T97 | | |
| U58 | | | |
| U61 | 74LS153 | | |

TOLERANCES UNLESS OTHERWISE SPECIFIED		© 1977 IMSAI MFG. CORP., SAN LEANDRO, CA. ALL RIGHTS RESERVED WORLDWIDE MADE IN U.S.A.	
FRACTIONS DEC. ANGLES			
±	±	±	
APPROVALS	DATE	IMSAI SYSTEM VIO REV. 1 2716 CHARGEN MODS SCHEMATIC DIAGRAM	
DRAWN			
CHECKED		SCALE	SIZE DRAWING NO.
			B
DO NOT SCALE DRAWING		SHEET 2 OF 2	

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
0	ORIGINAL REV. 1	6/77	



U1	74LS163	U61	74LS153
U3	74LS163	U62	74LS166
U8	74LS163	C1	
U20	74LS163	THRU	
U21	74LS163	C20	
U4	74LS74	C23	
U7	74LS74	THRU	.1 uF
U24	74LS74	C26	
U40	74LS157	C35	
U5	74LS157	THRU	
U6	74LS86	C48	
U41	74LS107	C21	.001 uF
U9	74LS107	C49	
U10	74LS162	C22	20 pF
U19	74LS162	C27	
U11	2102 AL-4	THRU	2.2 uF 25V
U18	2102 AL-4	C34	
U28	2102 AL-4	C50	470 pF
U35	2102 AL-4	Q1	2N3904
U22	74LS02	R1	
U23	74LS02	R10	
U51	74LS00	THRU	2.2K 1/4W
U25	74LS04	R16	
U39	74LS04	R25	
U26	74LS32	R26	
U27	3624 W/ VIO MAP	R2	1K 1/4W
U36	SPARE	R9	
U37	SPARE	R21	
U42	74LS367	R3	
U43	74LS367	R7	470 1/4W
U44	74LS367	R8	
U45	74LS367	R4	100 1/4W
U55	74LS367	R5	150 1/4W
U44	74LS174	R6	
U59	74LS174	R17	
U46	2316 SMP/80.0	THRU	4.7K 1/4W
U47	8316/8716	R20	
U48	8316/8716	R22	
U49	8316/8716	R24	
U50	74LS85	S1	8 POSITION DIP
U52	7416		
U53	74LS11	Y1	12.2304MHz XTAL
U54	74LS21		
U56	74LS30		
U57	8T97		
U58	8T97		

TOLERANCES UNLESS OTHERWISE SPECIFIED	
FRACTIONS	DEC.
±	±
±	±
±	±
APPROVALS	DATE
DRAWN	
CHECKED	

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IMSAI SYSTEM			
VIO REV. 1 2716 CHARGEN MODS			
ASSEMBLY DIAGRAM			
SCALE	SIZE	DRAWING NO.	
	B		
DO NOT SCALE DRAWING			SHEET 2 OF 2