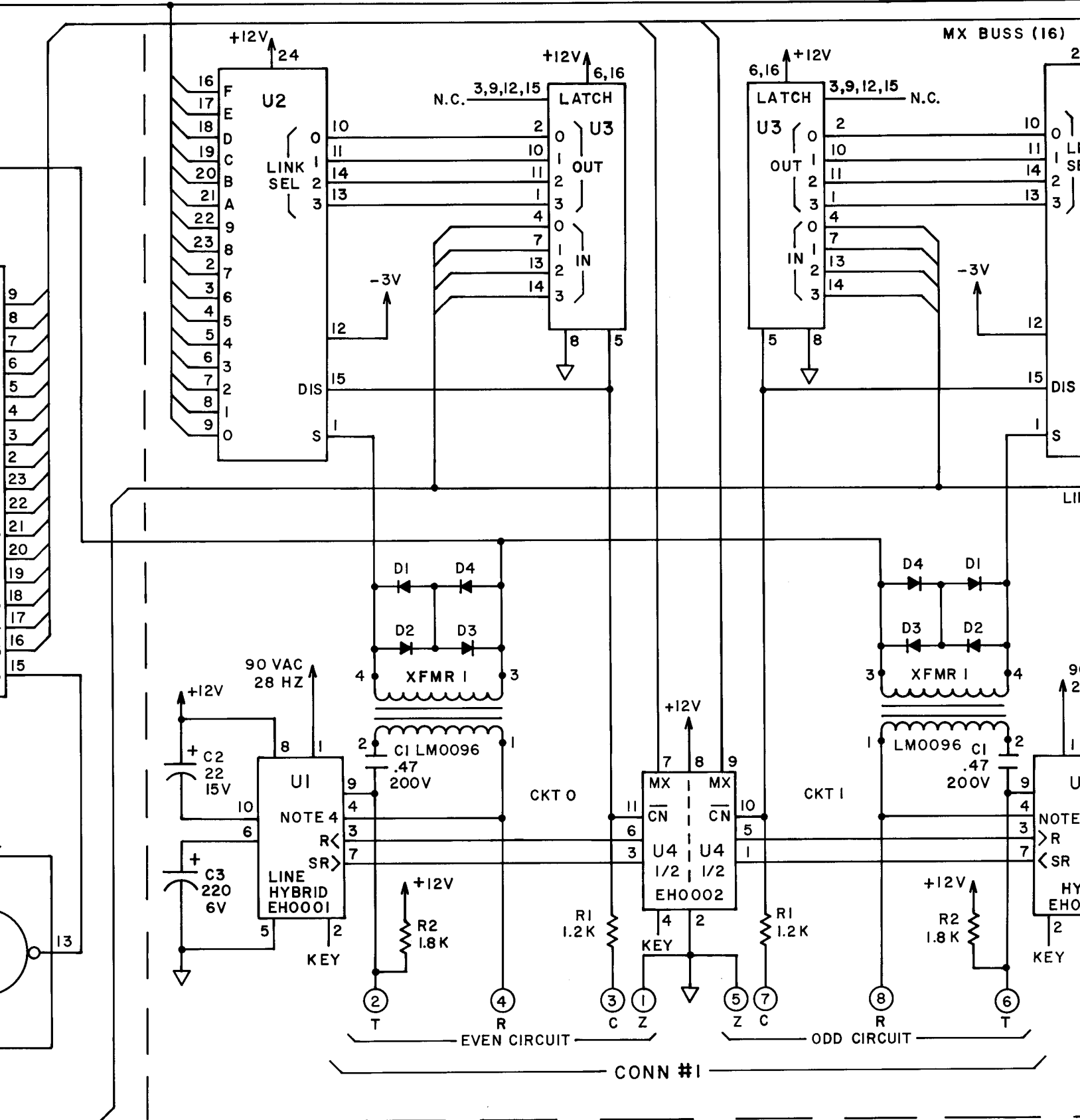
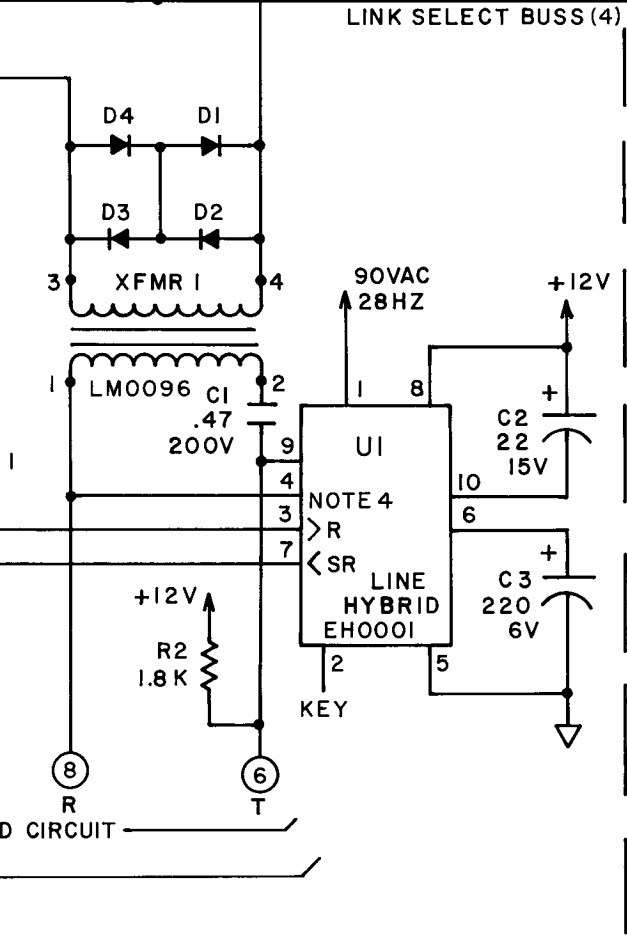
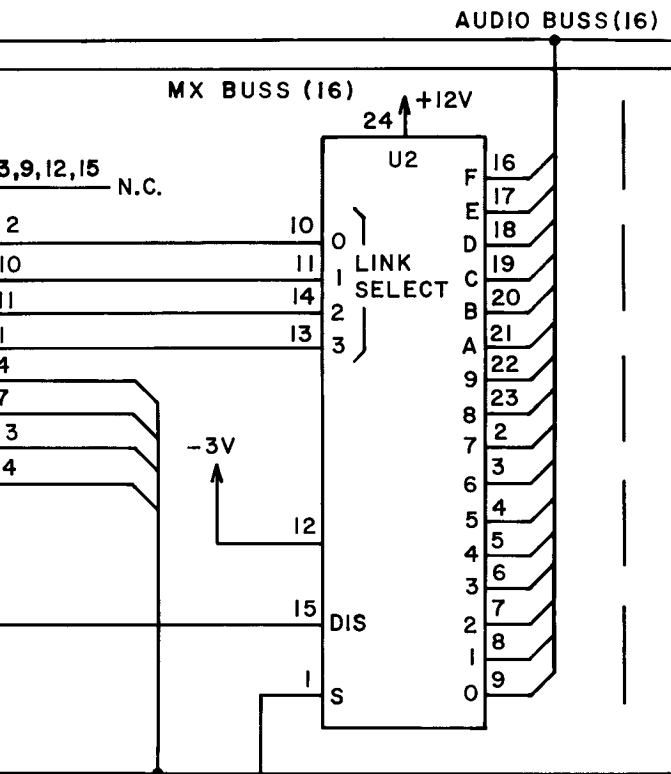


THESE TWO CIRCUITS ARE TYPICAL FOR 16 CIRCUITS

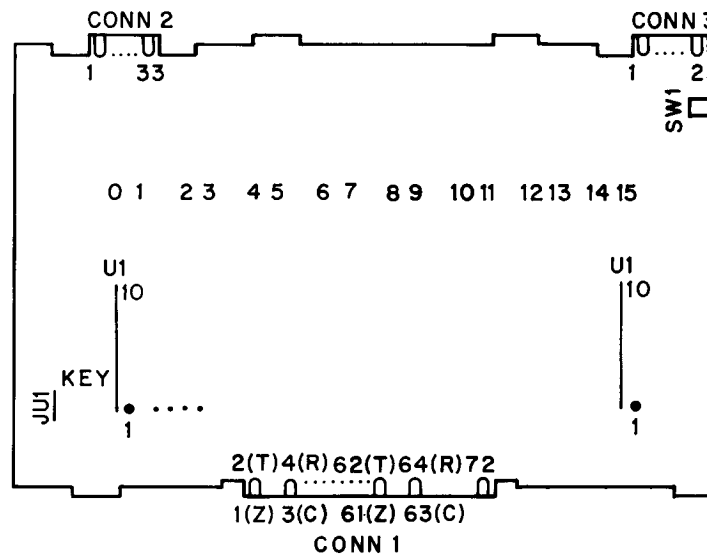
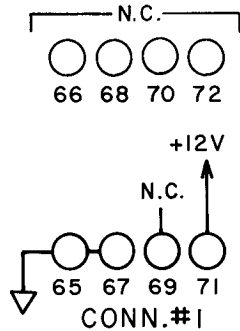




REF.	DESCRIPTION	TYPE	PIN SUPPLY				RAU PAR
			90VAC	+12V	0V	-3V	
U1	LINE HYBRID	EH0001	1	8	5		EH0
U2	LINK SELECT	4067B		24	8	12	EC0
U3	LATCH	4042B		6,16	8		EC0
U4	LOGIC HYBRID	EH0002		8	2		EH0
U5	INVERTER	4049		1	8		EC0
U6	LINE GROUP ENABLE	4068B		14	7		EC0
U7	MULTIPLEX LINE SW.	4067B		24	12		EC0
DI-4	DIODE OR BRIDGE	IN457A OR BR82D					IN457 JR
D5	DIODE	IN4002					IN4

NOTES:

- UNLESS OTHERWISE INDICATED, ALL RESISTORS ARE 1/4 WATT, $\pm 5\%$ AND RATED IN OHMS. K=1,000 CAPACITORS ARE RATED IN MICROFARADS.
- SYMBOLS: ∇ = -0V (CIRCUIT COMMON)
 $\textcircled{1}$ = PIN #1 ON CONN #1
- JUMPER JUI CONNECTS AUDIO GROUND TO POWER GROUND.
- CUT PIN3 OF U1 LINE HYBRID TO STOP RINGING OF THIS LINE FOR SOME SPECIAL LINES. REMOVE HYBRID IF D.C. IS NOT REQUIRED.
- SEE LINE GROUP CODING CHART FOR SWI DIP SWITCH POSITIONS.



BOARD LAYOUT COMPONENT SIDE SHOWN

DWG. NO.	
KCI431	C
DATE	
2-19-85	
ISSUE	CHANGE
A	ADDED "MPX" TO CONN. #3. 25 & 29 OF "AUDIO-LINKS" WERE 29 & 30. 0,1,2,&3 OF U2 & U3 WERE REVERSED. NOTE 4 DESIGNATED PIN 1. 11-5-85
B	R2 WAS 1.2K 9-11-86
C	ADDED SW1 LAYOUT. RE-LABELED SW1 WITH NUMBERS INSTEAD OF LETTERS. 9-15-88

	TYPE	PIN SUPPLY				RAULAND PART NO.
		90VAC	+12V	0V	-3V	
	EH0001	1	8	5		EH0001
	4067B		24	8	12	EC0143
	4042B		6,16	8		EC0039
	EH0002		8	2		EH0002
	4049		1	8		EC0042
LE	4068B		14	7		EC0144
.W.	4067B		24	12		EC0143
	IN457A OR BR82D					IN457A OR JRO108
	IN4002					IN4002

INDICATED, ALL RESISTORS ARE 1/4 WATT, ± 5% AND ARE 100 CAPACITORS ARE RATED IN MICROFARADS.

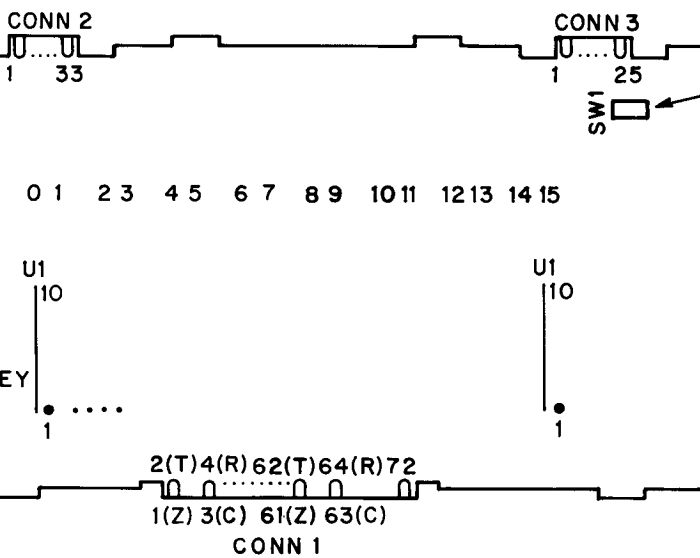
(CIRCUIT COMMON)

ON CONN #1

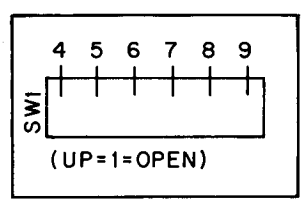
AS AUDIO GROUND TO POWER GROUND.

HYBRID TO STOP RINGING OF THIS LINE FOR SOME HYBRID IF D.C. IS NOT REQUIRED.

SEE CHART FOR SW1 DIP SWITCH POSITIONS.



MODULE ADDRESS
SEE PHYSICAL NUMBERS CHART.



BOARD LAYOUT COMPONENT SIDE SHOWN

TC4150 (LLM16)
LINK-LINE MODULE
RAULAND-BORG CORP.
SKOKIE, ILL.
MADE IN U.S.A.
KCI431 [C]