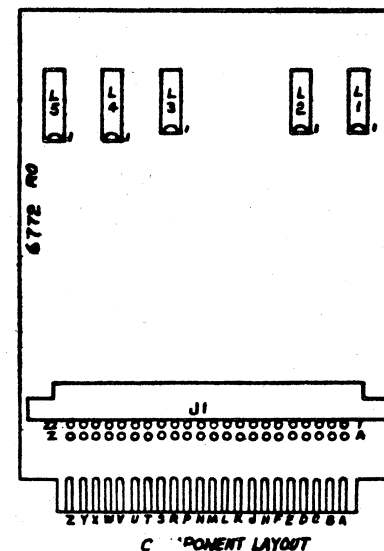


The schematic diagram illustrates the control logic for the 7429B decoder. It features two 7429B decoders, each with 16 pins. The first decoder's inputs (A₂, A₁, B₂, B₁, C₂, C₁, D₂, D₁) are connected to inputs DT1 through DT8. The second decoder's inputs are connected to inputs DT5 through DT8. The outputs of the decoders are connected to outputs DT1' through DT8'. The circuit also includes a BUSY input and output, and a +5VR supply. Various resistors (R1-R8, R9, R10, R11, R12) and capacitors (C1, C2, C3, C4, C5, C6) are used for timing and signal conditioning. Logic gates (7406, 7400, 7435) are used to combine signals and generate the BUSY output. The circuit is powered by +5VR and ±0V.



J1

Signal	Pin Number	Letter	Signal
	1	A	±0V
-12VR	2	B	
BUSY	3	C	±0V
	4	D	
	5	E	IP
+12VR	6	F	SLCT
	7	H	OSCXT
FAULT	8	J	
P0	9	K	
±0V	10	L	
DT6	11	M	
DT8	12	N	
+5VR	13	P	
	14	R	
DT5	15	S	
DT2	16	T	
DT3	17	U	
DT1	18	V	
DT7	19	W	
DT4	20	X	
DSTB	21	Y	
ACKLG	22	Z	

Pin	Signal
1	20V
2	A
3	B
4	20V
5	C
6	D
7	IP
8	E
9	S
10	S
11	S
12	S
13	S
14	S
15	S
16	S
17	S
18	S
19	S
20	S
21	S
22	S
23	S
24	S

COMP. SINE WIRING

LOCATION	W.L. PART NO.	TERM. NO. ±0V	TERM. NO. Vec+5V
L1	376-0025	7	14
L2	376-0002	7	14
L3	376-0055	7	14
L4,5	376-0138	8	16

COMPONENT	W. L. PART NO.
R1-8,10	330-3010
R9	330-2047
R11	330-3022
R12	330-3047
D1-3	380-1001
C1,2	300-1911
C3,4	300-1903
C5	300-4022
C6	300-1911
J1	350-0022

J1 **CONN**
 (2) — (2) — -12VR
 (6) — (6) — +12VR
 (8) — (8) — **FAULT**
 (9) — (9) — **P0**
 (10) — (10) — $\pm 0V$
 (13) — (13) — +5VR

 (22) — (22) — **ACKL6**
 (A) — (A) — $\pm 0V$
 (C) — (C) — $\pm 0V$
 (E) — (E) — **IP**
 (F) — (F) — **SLCT**
 (H) — (H) — **OSCXT**

 (M) — (Z) — (M) — (Z)

E-REV
0

WANG PART NO		ITEM	QTY	NAME		MATERIAL		DESCRIPTION	
2nd	FIRST USED ON	ASSY USED ON		WANG LABORATORIES, INC. TERREBURY, MASS. U.S.A.		BY	DATE	APPROVED BY	DATE
						OWN	7-25-75	E ENGR D.D.	4/5/75
				MATERIAL	MODEL NO	CHK	G. D.	M ENGR	
					2221-W	E C CONTROL		MFG ENGR	
					SEE DRAWING SPECIFICATIONS	TITLE SCHEMATIC LOGIBLOC			
						QUICK RELEASE			
				FINISH	TOL. EX. AS NOTED .010 ± .010 FRAZ ± 1/64 .001 ± .005 ANG. ± 1° 30' FINISH 10	210-6772	D	6772	1
					SCALE 1:1 SHIT 4 DE C	WANG PART NUMBER	5173	DRAWING NUMBER	500