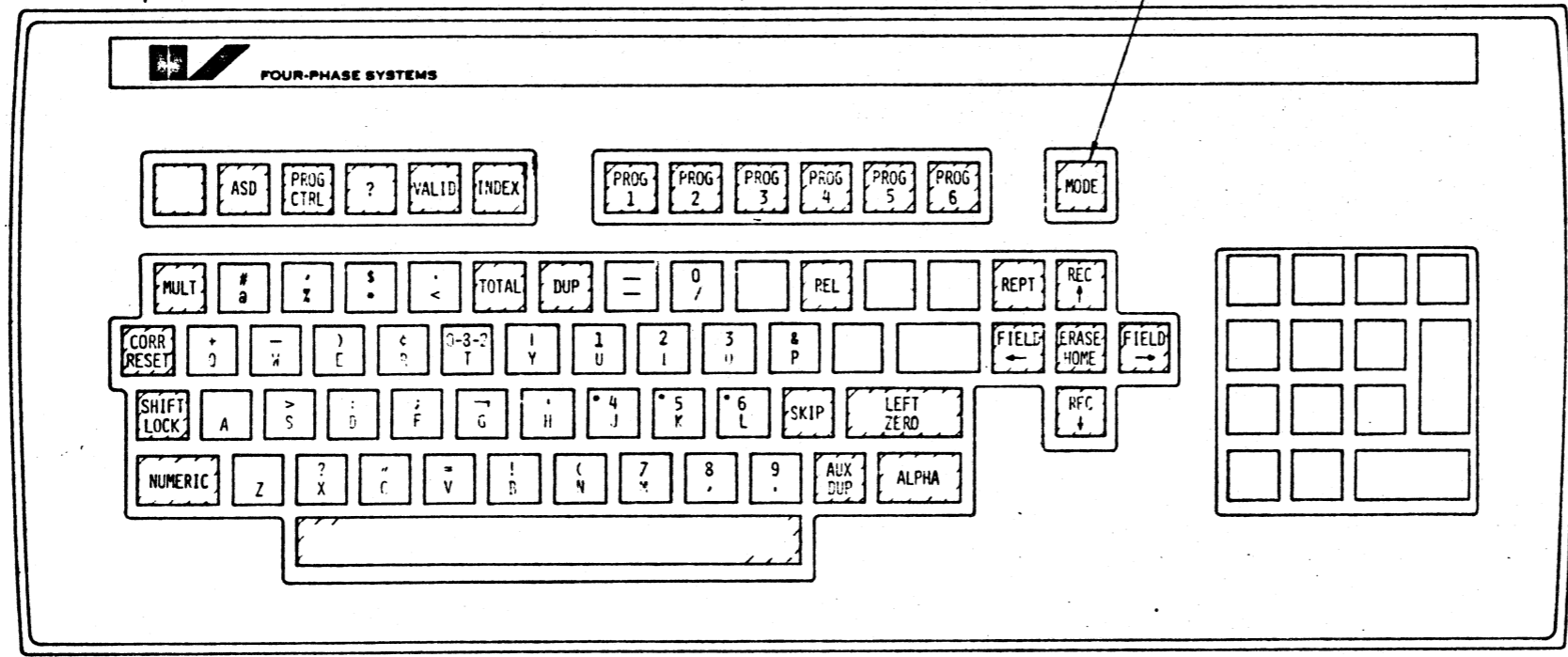
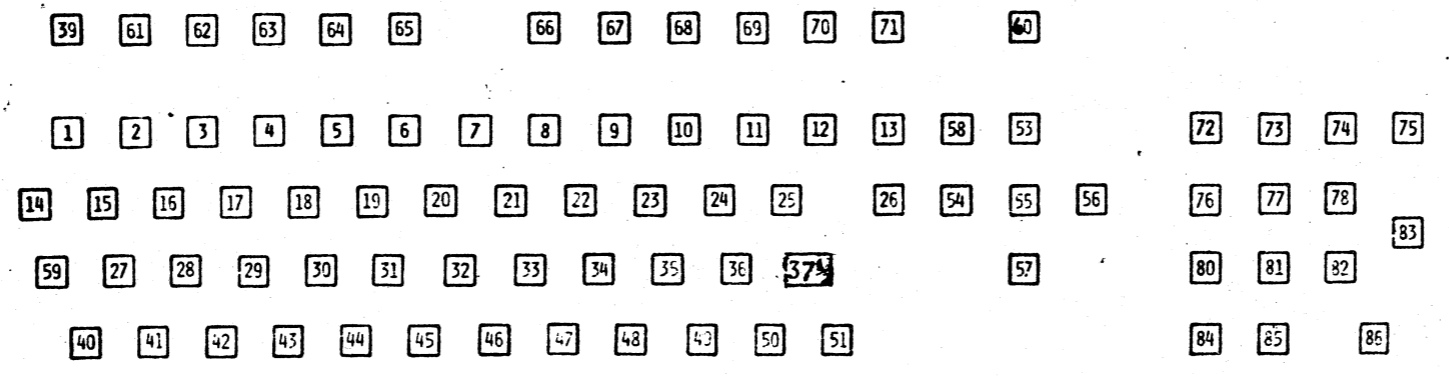


REVISIONS				
ZONE	BY	DATE	APPROVAL	
A	REL PER PCO # C692	LP	4.2.72	
B ADDED NOTE 3 - SHEET 2				
PER PCO 1346				
C	REV ONLY PER PCO # 145	LP	3.27.72	
D	REV ONLY PER PCO # 1641	LP	3.27.72	
E	REV PER PCO # 1776	LP	4.10.72	
F	REV PER PCO # 2411	CD	4.25.72	
G	REV CHG ONLY # 337	RP	7.13.72	
H	REV CHG ONLY # 331	RP	7.28.72	
J	REV CHG ONLY # 335	V	1.58.72	



KEYTOP LAYOUT



SWITCH POSITIONS
NUMBERS APPEAR ON SCHEMATIC, SHEET 2

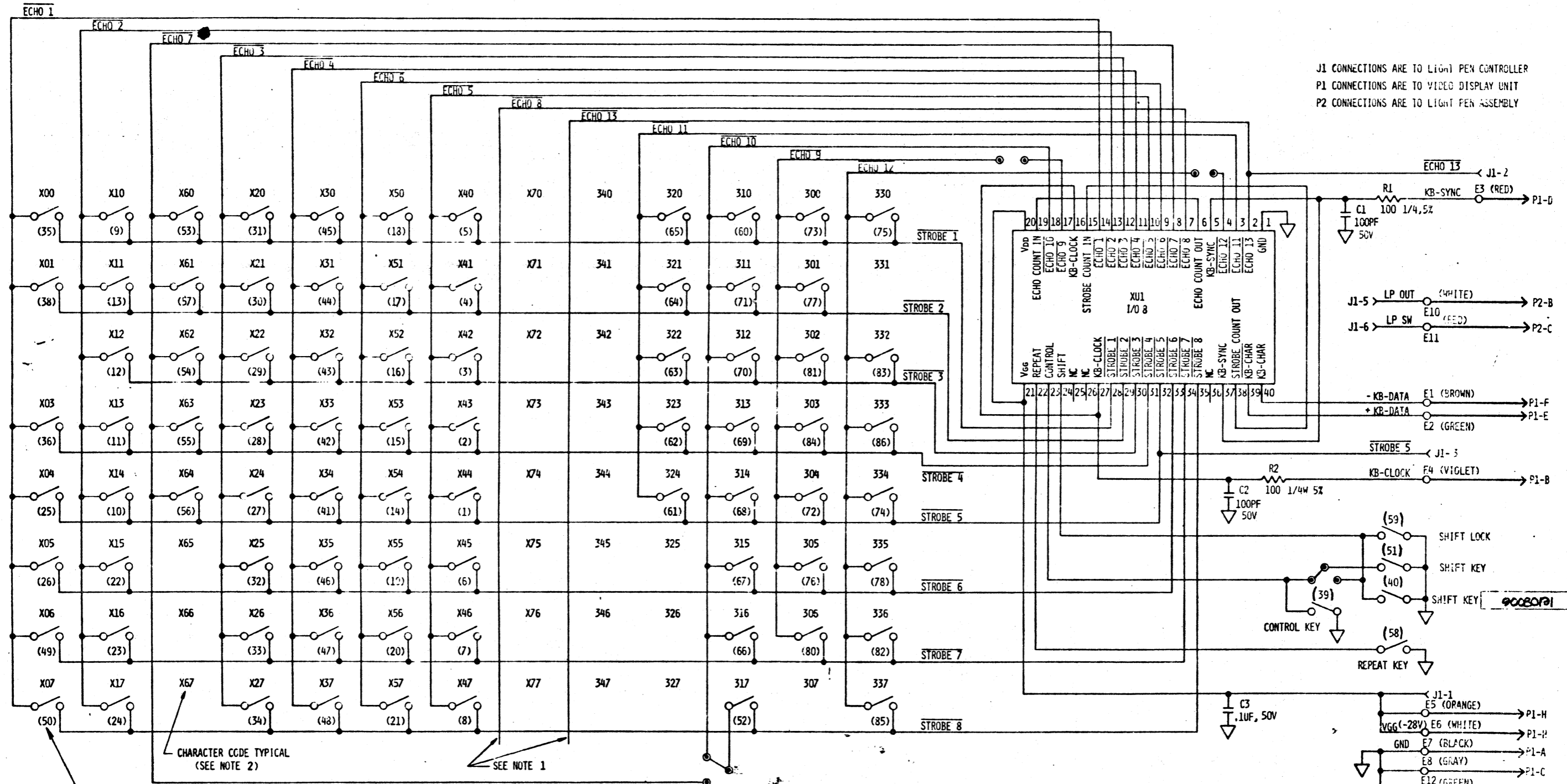
1. AN OPTIONAL SWITCH POSITION (37 1/2) IS PROVIDED BETWEEN 37 AND 38, AND THIS POSITION IS WIRED ELECTRICALLY TO POSITION 38. THE 90088061 KYBD MUST BE MODIFIED BY REMOVING KEY SWITCHES 37 AND 38 AND REMOUNTING ONE IN THE 37 1/2 POSITION.

NOTES:
*INDICATES KEYS WITH DEEP DISH FEEL

ITEM NO.	QTY	PART NUMBER	REF DES	DESCRIPTION
				FOUR-PHASE SYSTEMS, INC.
				KEYBOARD ASSEMBLY SCHEMATIC
				Q29 DATA ENTRY KYBD
				90080191
				SHEET 1 OF 2

REVISIONS				
FORM	SYM	DESCRIPTION	BY	DATE

D
C
B
A



J1 CONNECTIONS ARE TO LIGHT PEN CONTROLLER
P1 CONNECTIONS ARE TO VIDEO DISPLAY UNIT
P2 CONNECTIONS ARE TO LIGHT PEN ASSEMBLY

CHARACTER CODE TYPICAL (SEE NOTE 2)

SEE NOTE 1

SWITCH POSITIONS, SEE SHEET 1

- NOTES: 1. ECHO 8 AND ECHO 13 CHARACTER CODES ARE NOT USED AND ARE SHOWN FOR ENGINEERING REFERENCE ONLY.
2. X IS "0" IF LOWER CASE (NO SHIFT KEY AND NO CONTROL KEY)
"X" IS "1" IF UPPER CASE (SHIFT KEY AND DEPRESSED AND NO CONTROL KEY)
X IS "2" IF CONTROL (CONTROL KEY DEPRESSED)

THESE CHARACTER CODES ARE THE PULSE POSITION MODULATION CODES GENERATED BY THE KEY BOARD. THEY HAVE NO RELATIONSHIP TO THE ASCII CODES USED BY THE DISPLAY UNIT.

3. P2 AND ATTACHED WIRING IS SHOWN FOR REFERENCE ONLY. P2 REQUIRED ONLY WHEN "LIGHT PEN" OPTION IS ADDED TO KEYBOARD.

ITEM NO	QTY	PART NUMBER	REF DES	DESCRIPTION

FOUR-PHASE SYSTEMS INC.
KEYBOARD ASSEMBLY/SC-EMATIC
029 DATA ENTRY KYBD
B 90080191
SHEET 2 OF 2