

REV	DESCRIPTION	DATE	DR	CHK	APP
A	ERN 9-JB PRODUCTION RELEASE	7/11/77	SPR	AK	SP
B	ECN 9995	7/11/77	TECH	AK	SP
C	ECN 10339	7-18-77	AK	AK	SP
D	ECN 10592	7-21-77	J.S.	AK	SP
E	ECN 10809	7/21/77	J.S.	AK	SP
F	ECN 10891A	7/21/77	J.S.	AK	SP
G	ECN 10937	7/21/77	AK	AK	SP
H	ECN 11203	7-27-77	AK	AK	SP
J	ECN 11895	7/27/77	AK	AK	SP
K	ECN 13485	7/27/77	AK	AK	SP

TABLE I ①

PART NO.	REFERENCE DESIGNATION
100-1015	R20,21,90
100-1025	R13,17,48,66,89,100
100-1035	R31,54,75,76
100-1045	R79,80
100-1055	R96
100-1515	R61,62
100-1525	R26,27,28,29,42,57,101,102,103,106,107,98
100-1535	R3
100-2215	R19,22,33,34,74,95
100-2225	R38,52,83,86,87
100-2235	R12,63,64,78
100-2725	R15
100-2735	R44,77
100-1225	R11
100-4705	R47
100-4715	R5,6,18,23,24,56,60,73,88,92,97
100-4725	R16,105
100-4735	R30
100-6805	R55,59,71,72,91
100-6815	R84,85
100-6825	R53,65
100-6835	R104
100-8225	R45
100-5625	R58
100-5615	R14
101-1015	R82
101-1215	R81
101-1525	R68
101-1825	R69,70
101-3305	R93
103-1015	R1,2
104-1621	R51
104-4221	R10
104-2152	R32,43
104-2871	R39
104-8250	R9
104-5621	R8
104-6191	R7
104-6811	R40
120-0001	U6
121-1030	R4
121-2020	R46
121-2030	R41
130-1015	C11,14
130-3315	C20
130-4705	C12
130-4715	C38
130-5615	C4
130-7515	C28,33

TABLE I ①

PART NO.	REFERENCE DESIGNATION
131-1030	C40
131-1520	C6
139-1020	C30,31
139-1045	C7
139-1055	C8,13,23,24,41
139-2244	C1,2,5,10,15,16,17,18,21,22,26,32,34,36,37,42
139-4751	C9,29,43
139-4755	C25,27,35
139-4762	C3
200-1100	Q16,17
200-1120	Q14,15
200-4123	Q1,2,4,9
200-4125	Q5,7,8,10,11,12
200-5321	Q13
300-4002	CR13,14,15,16
300-4446	CR2 THRU 12
330-0515	VR1
330-0685	VR3
331-1605	VR2
400-0339	U16
400-0555	U22
400-0592	U19,25
514-0008	S1
515-1015	L1,2,5,6
515-2405	L3,4
700-4107	U13,28
700-4123	U9
700-4221	U15,23,24
700-7400	U7,27
700-7402	U5,12,21
700-7404	U4,18
700-7406	U30
700-7407	U29
700-7410	U14
700-7414	U17
700-7438	U2,3,11
700-7450	U31
700-7474	U8,20
700-7476	U26
700-8020	U10

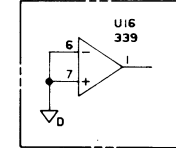
TABLE II ②

ASSEMBLY VERSION NO.	VERSION CHARACTERISTICS	100-0005																		
		W1	W2	W3	W4	W5	W6	W7	W8	W9	C19	W10	W11	R25	R35	R36	R37	R49		
-01	-5V, SINGLE/DOUBLE	USE	OMIT	OMIT	USE	OMIT	OMIT	OMIT	OMIT	OMIT	USE	OMIT	OMIT	USE	USE	USE	USE	USE		
-02	-12V, SINGLE/DOUBLE	OMIT	USE	OMIT	USE	OMIT	OMIT	OMIT	OMIT	OMIT	USE	OMIT	OMIT	USE	USE	USE	USE	USE		
-03	MODEL "S"	USE	OMIT	OMIT	USE	USE	USE	USE	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT		
-04	MODEL "S"	OMIT	USE	OMIT	USE	USE	USE	USE	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT		
-05	-5V, SINGLE/DOUBLE	USE	OMIT	OMIT	OMIT	OMIT	OMIT	OMIT	USE	USE	USE	OMIT	OMIT	USE	USE	USE	USE	USE		
-06	MODEL "S" -12V	OMIT	USE	USE	OMIT	USE	USE	OMIT	OMIT	OMIT	USE	USE	USE	USE	USE	USE	USE	USE		

TABLE II ②

ASSEMBLY VERSION NO.	R50		R67		R98		W12	S2	S3	Q3	Q6	W13
	100-1025	100-6825	VALUE	PART NO.	691-6030	514-0008	514-0008	204-3993	200-4125	100-0005		
-01	USE	USE	2.2K	100-2225	OMIT	USE	OMIT	USE	USE	USE		
-02	USE	USE	2.2K	100-2225	OMIT	USE	OMIT	USE	USE	USE		
-03	OMIT	OMIT	1K	100-1025	OMIT	USE	OMIT	OMIT	OMIT	USE		
-04	OMIT	OMIT	1K	100-1025	OMIT	USE	OMIT	OMIT	OMIT	USE		
-05	USE	USE	2.2K	100-2225	OMIT	USE	USE	USE	USE	USE		
-06	USE	USE	2.2K	100-2225	USE	OMIT	OMIT	USE	USE	USE		

TABLE III ⑩



REFERENCE DESIGNATIONS

LAST USED	NOT USED	DELETED
C43		C39
CR16		CR1
L6		
Q17		
R107		R94
S3		
TP20		
U31	U1	
VR3		
W13		

- ④ TERMINATING RESISTOR PACK IS SPECIFIED AT TOP ASSY.
 - ③ CONNECTOR J1 SHOWN SCHEMATICALLY FOR BOTH THE STANDARD FDSX3 AND FDSX4 CONFIGURATIONS.
 - 12. LOGIC GROUND IS DENOTED BY A ∇_D SYMBOL.
ANALOG GROUND IS DENOTED BY A ∇_A SYMBOL.
 - 11. SIGNALS ARE CROSS-REFERENCED BETWEEN SHEETS AND WITHIN A SHEET BY NUMBERS APPEARING UNDER THE ASSOCIATED LOGIC TERM MNEMONIC. THE FIRST NO. IS THE SHEET NO. AND THE SECOND NO. IS THE ZONE NO.
 - ⑩ FOR SPARE LOGIC ELEMENTS SEE TABLE III.
 - 9. PIN 7 OF 14 PIN I.C.'S IS LOGIC GND.
PIN 14 OF 14 PIN I.C.'S IS +5V.
PIN 13 OF 7476 IS LOGIC GND.
PIN 5 OF 7476 IS +5V.
PIN 8 OF 16 PIN I.C.'S IS LOGIC GND.
PIN 16 OF 16 PIN I.C.'S IS +5V.
PIN 12 OF 339 IS LOGIC GND.
PIN 13 OF 339 IS +24V.
 - 8. DIODES ARE IN4446.
 - 7. PNP TRANSISTORS ARE 2N4125.
 - 6. NPN TRANSISTORS ARE 2N4123.
 - 5. CAPACITOR VALUES ARE IN MICROFARADS, 20X, 1/4W.
 - 4. RESISTOR VALUES ARE IN OHMS 5%, 1/4W.
 - 3. (RESERVED)
 - ② FOR VALUE, PART NUMBER AND USAGE OF COMPONENTS AFFECTED BY VERSION NUMBER SEE TABLE II.
 - ① FOR PART NUMBER OF COMPONENTS NOT AFFECTED BY VERSION NUMBER SEE TABLE I.
- NOTES: UNLESS OTHERWISE SPECIFIED

ASSEMBLY NO. 600261
SPECIFICATION NO. 600264
REFERENCE DRAWINGS

QTY	PART NO.	DESCRIPTION	MATERIAL	FIN	REF DES.	ITEM NO.

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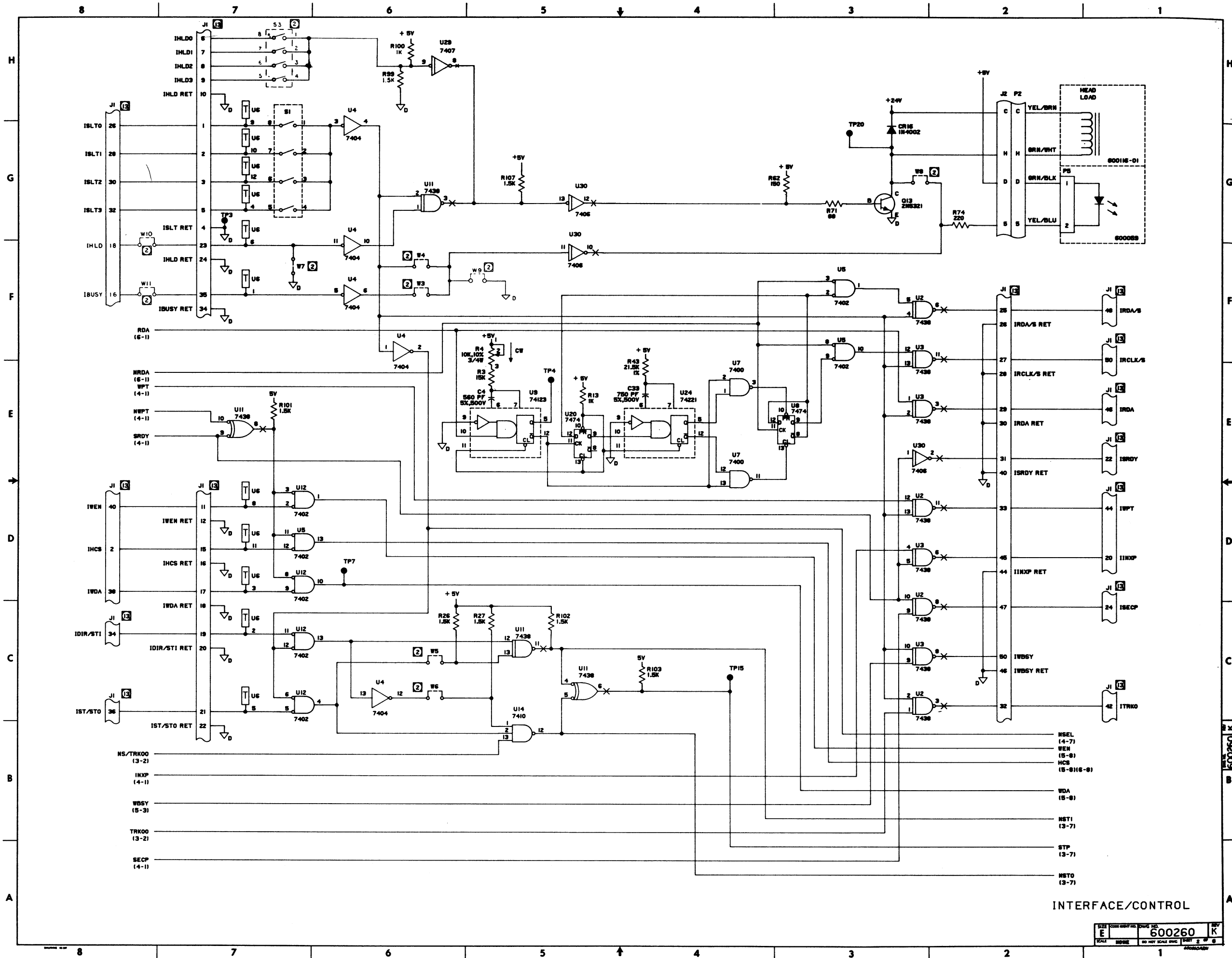
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
XX ± .010
XXX ± .005
X ± .002
BREAK ALL SHARP CORNERS
APPROX. DIM.

SIGNATURES: DATE
DR: [Signature] 7/23/77
CHK: [Signature] 7/23/77

PERTEC PERIPHERAL EQUIPMENT

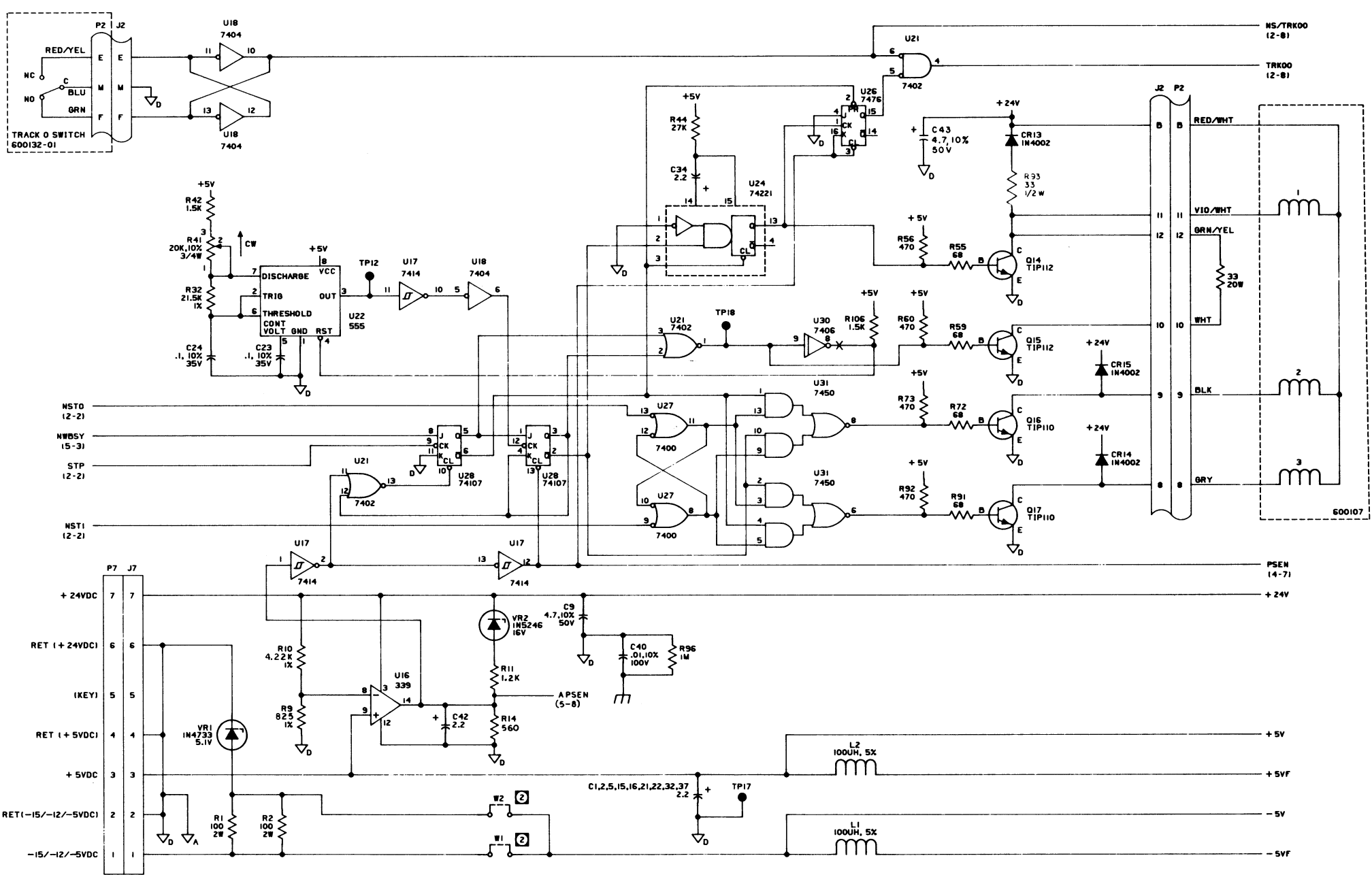
TITLE: SCHEMATIC, FD CONTROL B

SIZE: E (CODE IDENT NO.) DWG NO: 600260 REV: K
SCALE: NONE DO NOT SCALE DWG: UNLESS OTHERWISE SPECIFIED



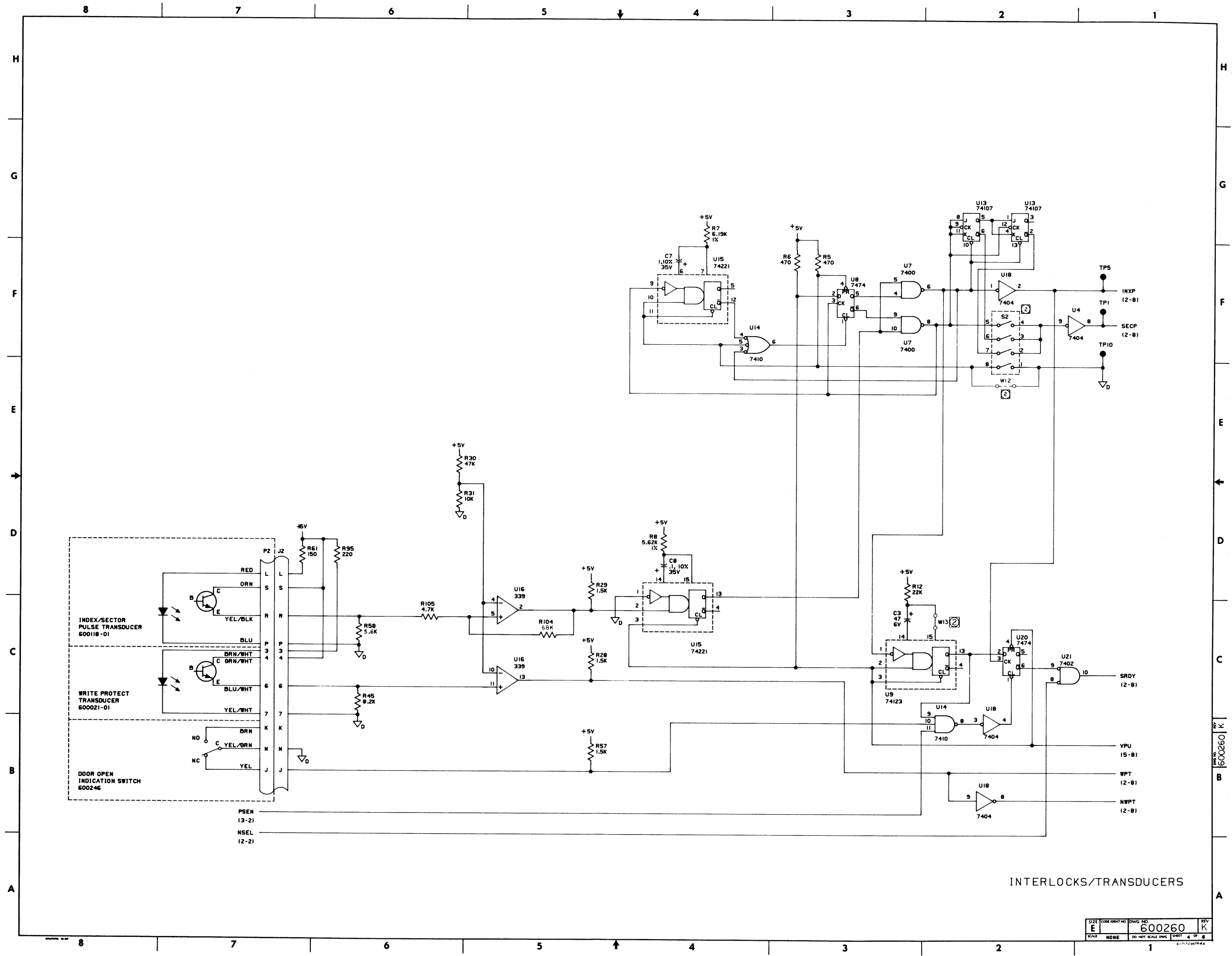
INTERFACE/CONTROL

SIZE	CONV	REV	DATE	NO	BY
E				600260	K
SCALE	BOARD	NO	REV	DATE	BY



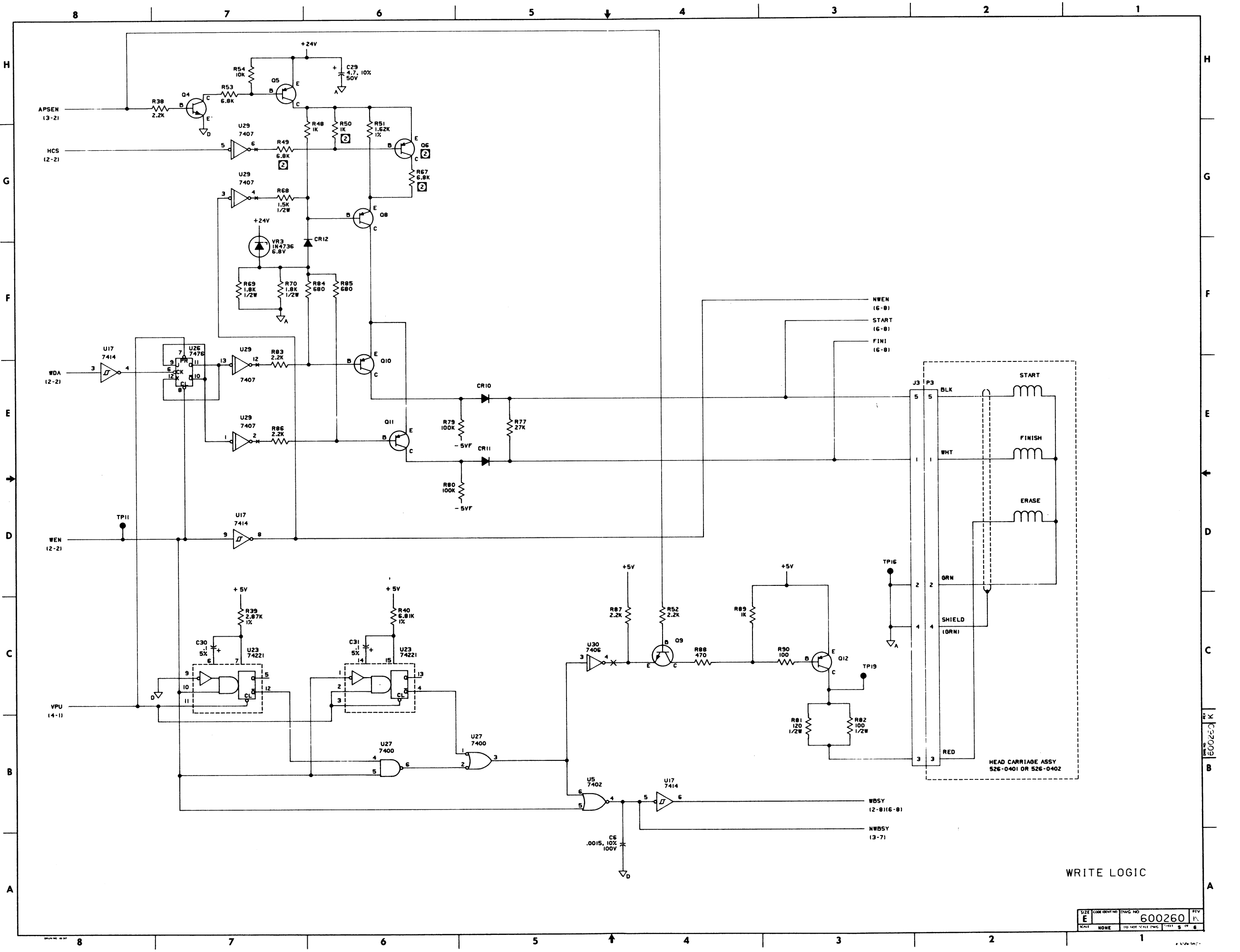
POSITIONER CONTROL

SIZE	CODE IDENT NO	DWG NO	REV
E		600260	K
SCALE	NONE	1:1 (DO NOT SCALE DWG)	SHEET 3 OF 6



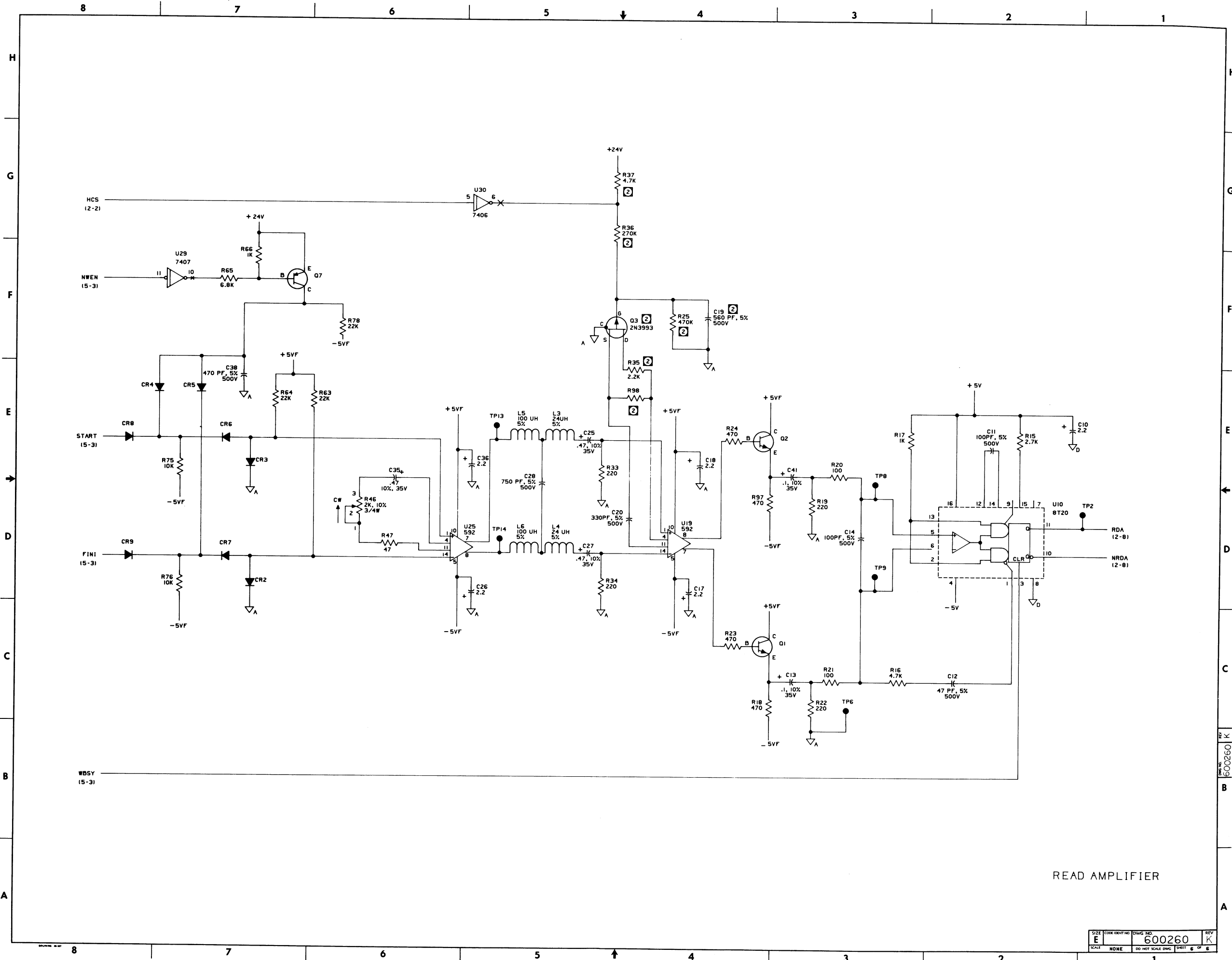
INTERLOCKS/TRANSDUCERS

SIZE	CODE IDENT NO	DWG NO	REV
E	NONE	600260	K
SCALE		DO NOT SCALE DWG	SHEET 4 OF 6



WRITE LOGIC

SIZE	CODE IDENT NO	DWG NO	REV
E		600260	1
SCALE	NONE	TO NOT SCALE DWG	5 OF 6



READ AMPLIFIER

SIZE	COORDINATE	DWG NO.	REV.
E	NONE	600260	K
SCALE		DO NOT SCALE DWG.	SHEET 6 OF 6