

TERMINAL MULTIPLEXER  
DRAWING NO. BD1570

PAGE NO.	DRAWING TITLE	REV LEVEL
P.1A	OVER VIEW	
P.1B	OUTSHIFT TIMING	
P.1C	INPUT TIMING	
P.1D	SCANNER STOP REQUEST	
P.2	SCANNING COUNTER	
P.3	DEVICE SELECT: TERM SEL.	
P.4	BUSY-DONE NET(SCNR)	
P.5	OUTPUT PULSEA	
P.6	DATA REGISTER (HOS'S-OUTPUT)	
P.7	DATA-REGISTER GATING	
P.8		
P.9	INPUT CORE ADDRESS	
P.10	INPUT CORE OVFL INTERRUPT	
P.11	MAIN TIMING GENERATOR	
P.12	DCH. NET	
P.13	INPUT FRAME ERROR	
P.14	INTP AND INTA NETS	
P.15		
P.16	BI-DIRECTIONAL DATA LINES (OUT)	
P.17	CPU CNTL LINES OUT	
P.18A+B	CPU DATA LINES IN	
P.19	CPU CNTL LINES IN	
P.20	IO CONNECTOR	
P.21	RET RIGGERRABLE TIMER	
PARTS LIST	BP-G2-45-01570-001	
ASSEMBLY	PA-G2-45-01570-001	

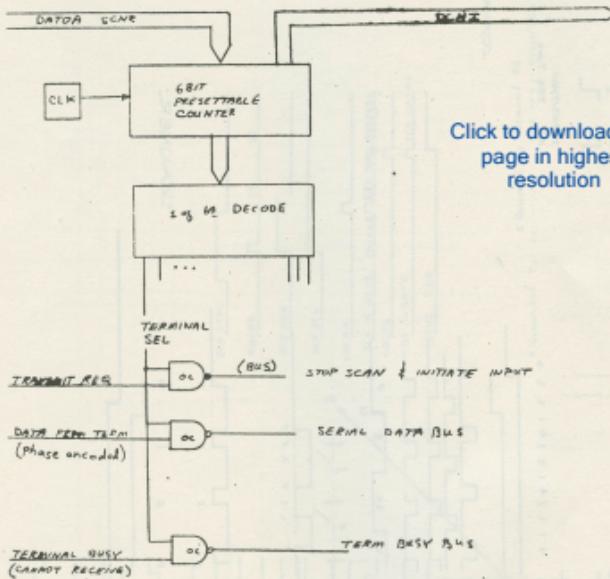
List of Documentation in this Section Drawing No. 01570 - Page

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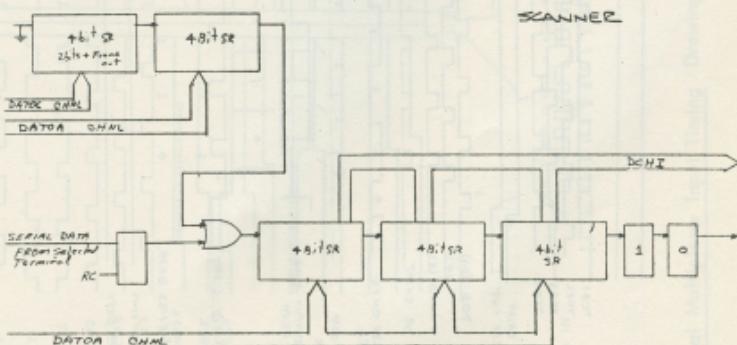
Rev.	Item	Part	Date	Rev.	
A	20	R16XB WAS R13, R17XB WAS R14, R19XB WAS R18, R18XB WAS R16, R21XB WAS R17, R20XB WAS R18, R22XB WAS R19, R23XB WAS R20, R3M8 WAS R21, R3M8 WAS R22, R4MB WAS R23, R5MB WAS R24 NEW RES # 100, (5,21,22,3,4,4 WERE 47A)			
B	276	3 4 18 19 20 21	DELETE LINES TO D6-5,(6,7 # 5 ADD 'SCHL NOT READY (P18) OFF Y4-6 ADD B6 & B4B INPUT LINES DELETE (P21) FROM "START" DELETE TERM 4,6,6#7 * TIE C16,17,18#19 TO D16,17,18,19 RESPECTIVELY MAJOR CHANGE TO TB CKT-DELETE T7-8,9#10 BREAK TB-3#4 -TB-4 -TB-6 -TB-3 - DIODES TO GND & GND, CAP C3 FROM .05 TO 10 WIRE ON S7-1 CHANGE TO S7-4 X1X ON S7-4 CHANGE TO S7-1		P6
C	289	21	ADD BT 7474		P6
D	307	3,4, 310 5,7, 315 8,11 12,14 18	UPDATE 7420- TO 7440, (B3,4,W7,V5,V4, R3B4Z WAS R8, W3 RIGHT CENTER SH 11 WAS V3, ADD R3W3 SH8, ADD RIGHT SH12 REDRAW SEVERAL SHEETS AND RELEASE TO MANUFACTURING		P6
D	107	764	Released to production		P6
E	ECO 658	20	ADDED R THRU R AND IC'S		P6

Revision cover Sheet Scanner Logic Drawing No. 01570

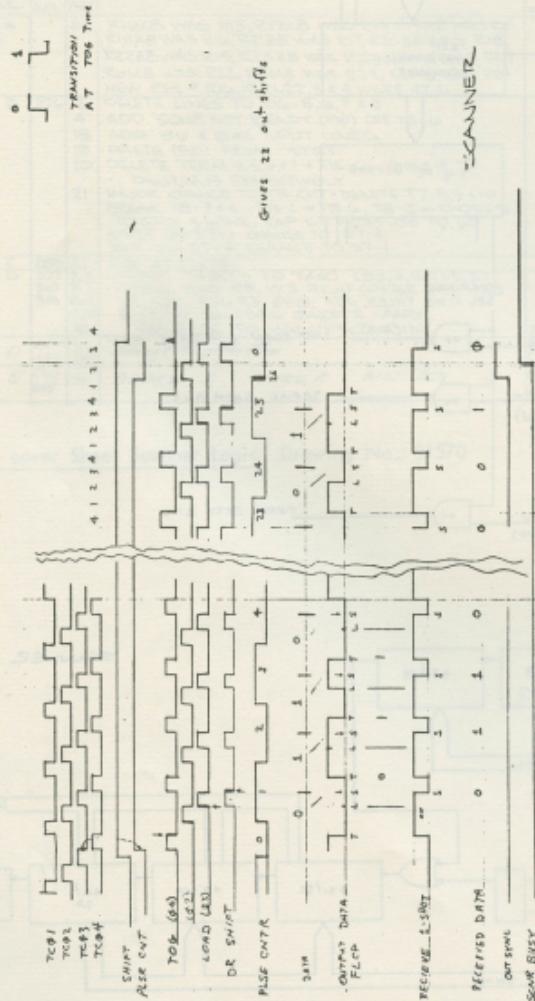
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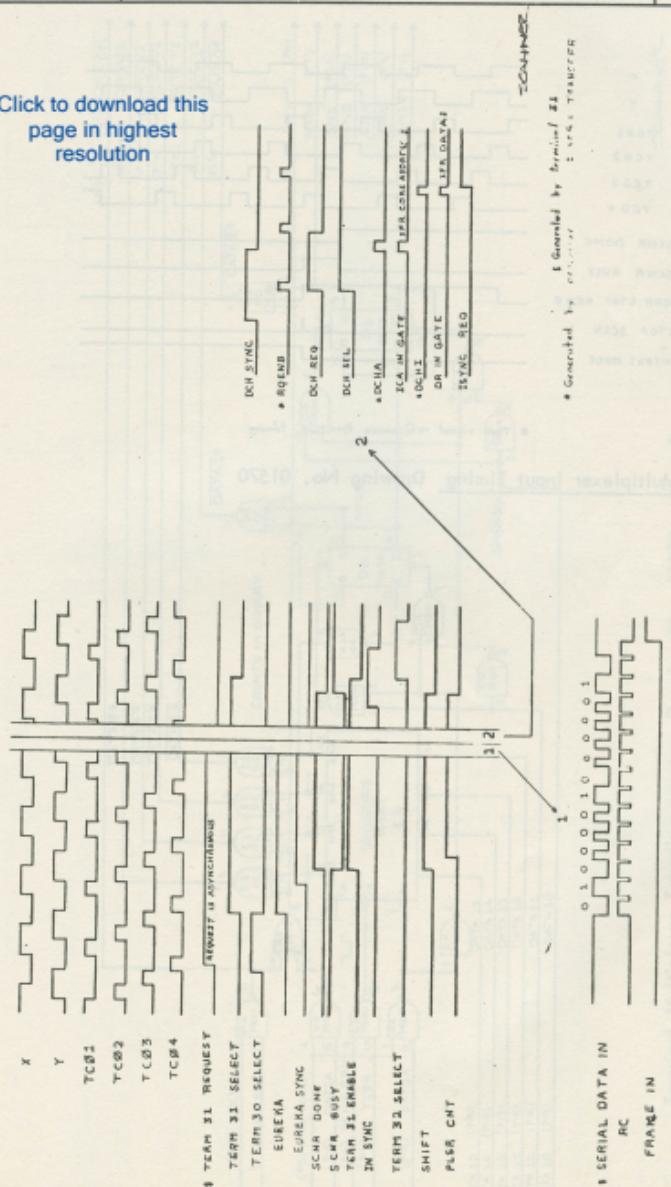
Terminal Multiplexer Over View Drawing No. 01570

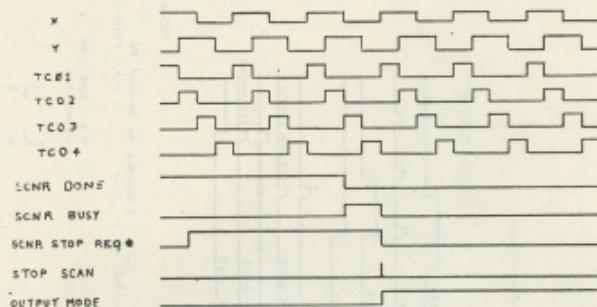


Terminal Multiplexer Outshift Timing Drawing No. 01570

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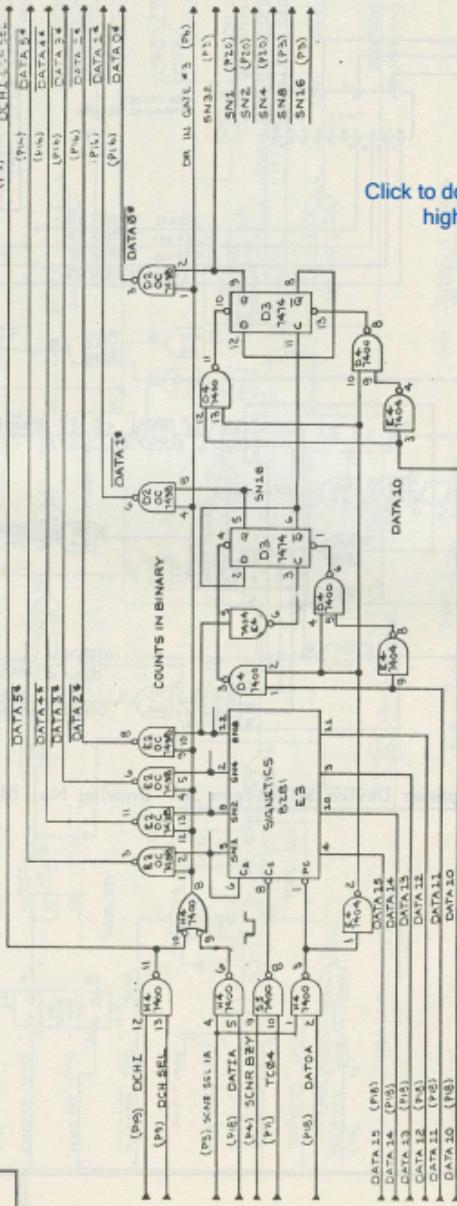




\* This signal references Processor timing

### Terminal Multiplexer Input Timing Drawing No. 01570

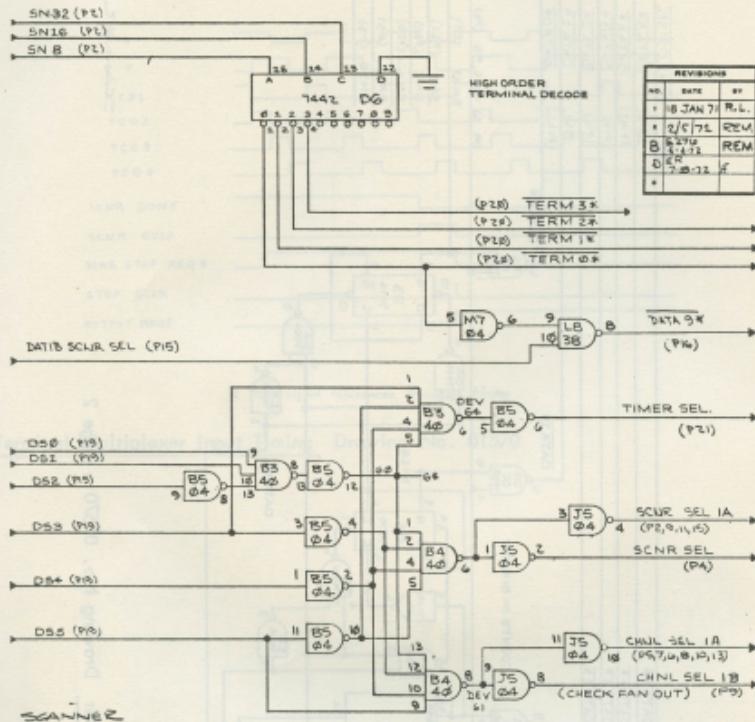
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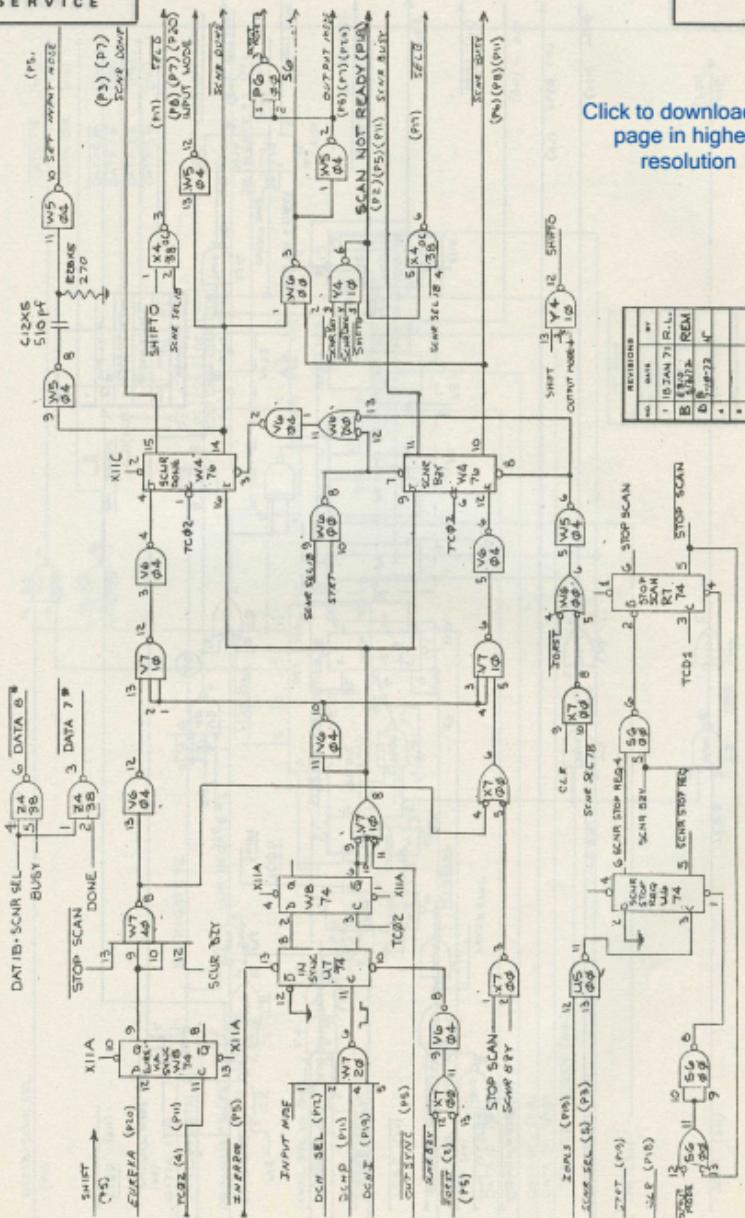
Terminal Multiplexer Scanning counter

Drawing No. 01570 - Page 2



Terminal Multiplexer Device Select:Term Sel Drawing No. 01570- Page 3

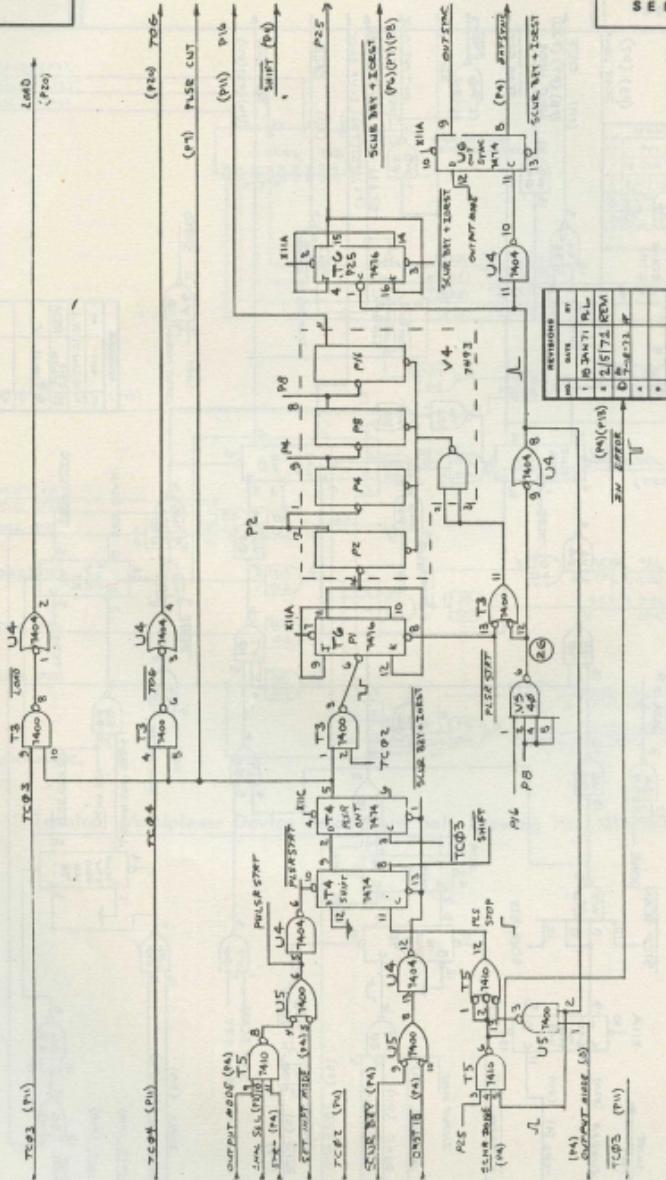
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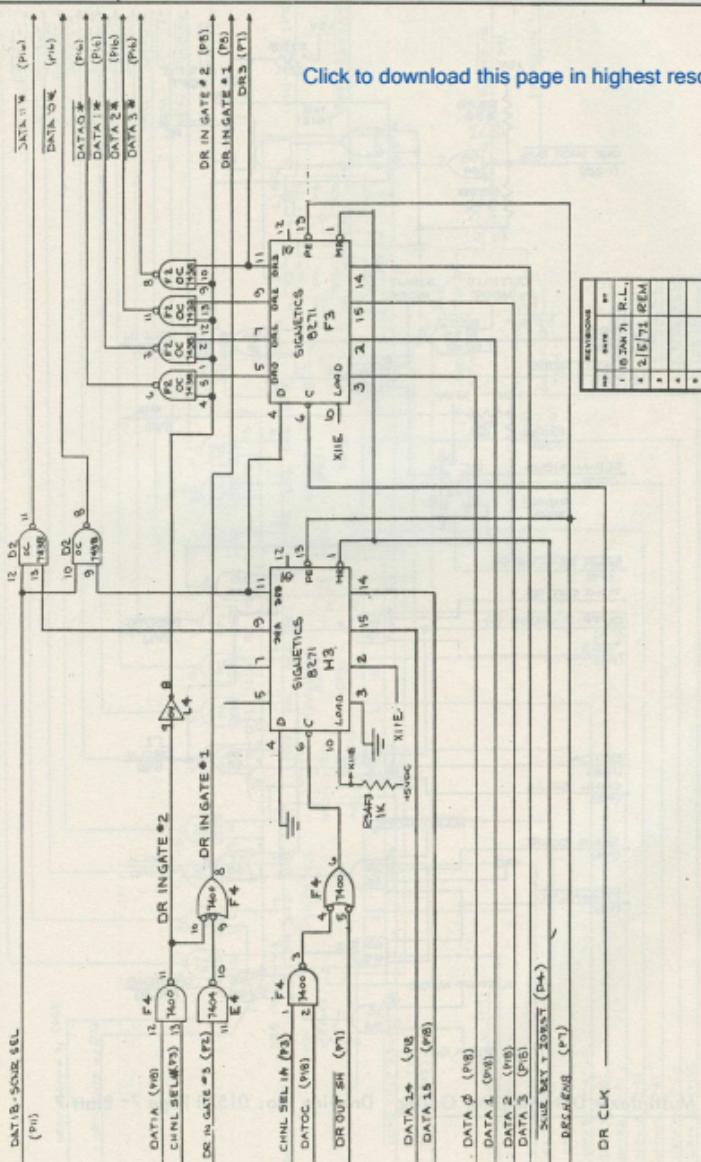
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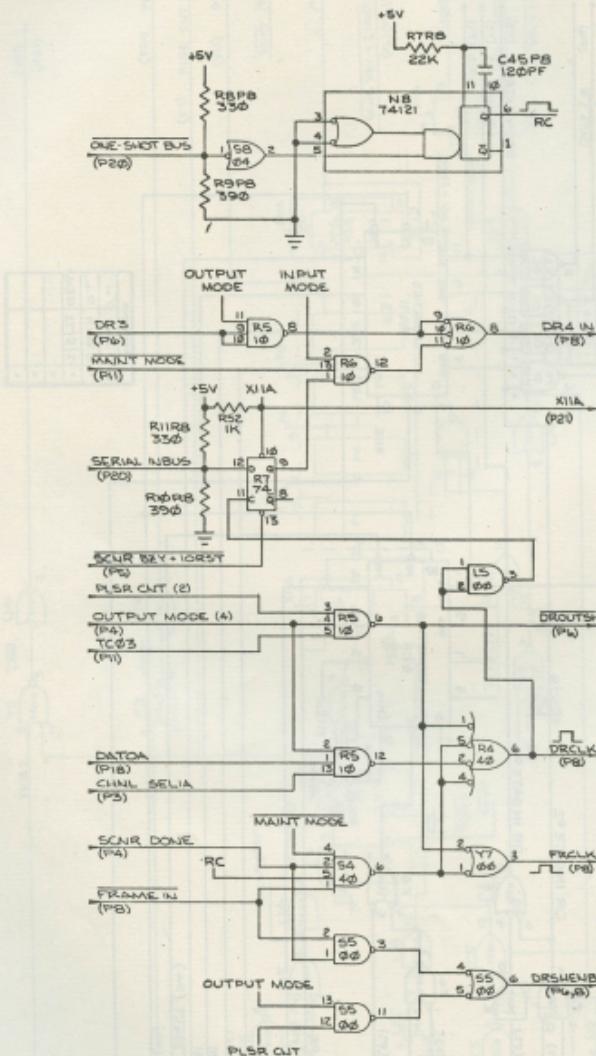
Terminal Multiplexer Output Pulser Drawing No. 01570 Page 5



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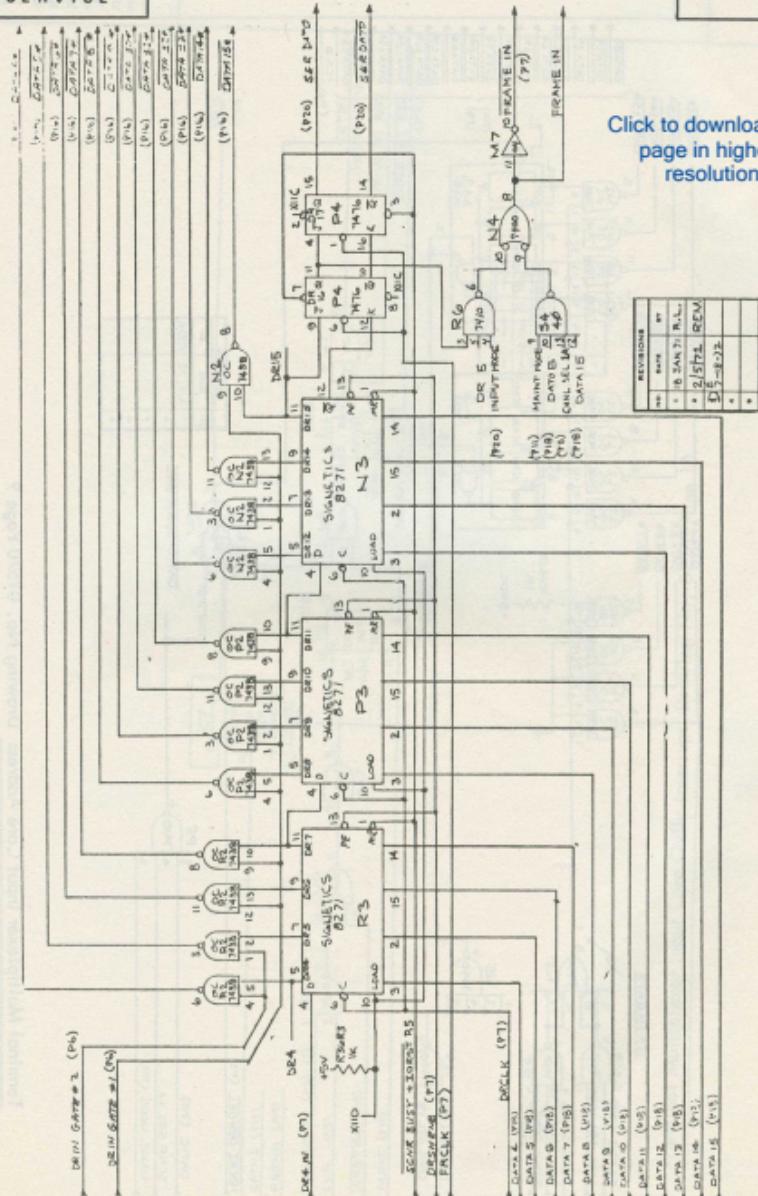


Terminal Multiplexer Data Register (Hob's-Output) Drawing No. 01570 Page 6



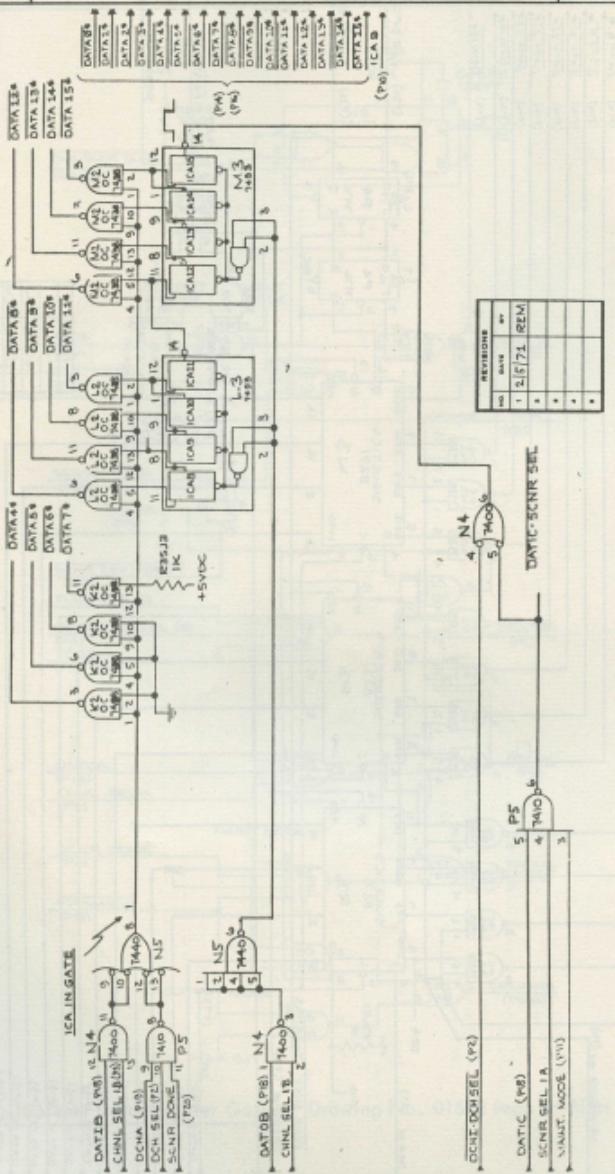
Terminal Multiplexer Data-Register Gating Drawing No. 01570 Page 7- Blatt 7

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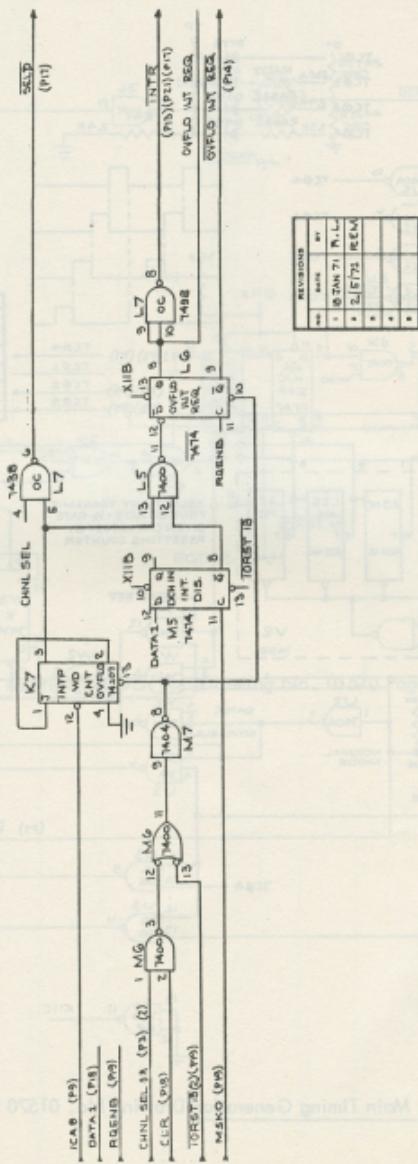
Terminal Multiplexer Drawing No. 01570 Page 8

NOTE: LOCATION'S EXIST TO PUT  
747's FOR HIGH ORDER & BIR'S  
BUT THEY ARE PERMANENTLY SET  
TO 000001 WITH JUMPER'S

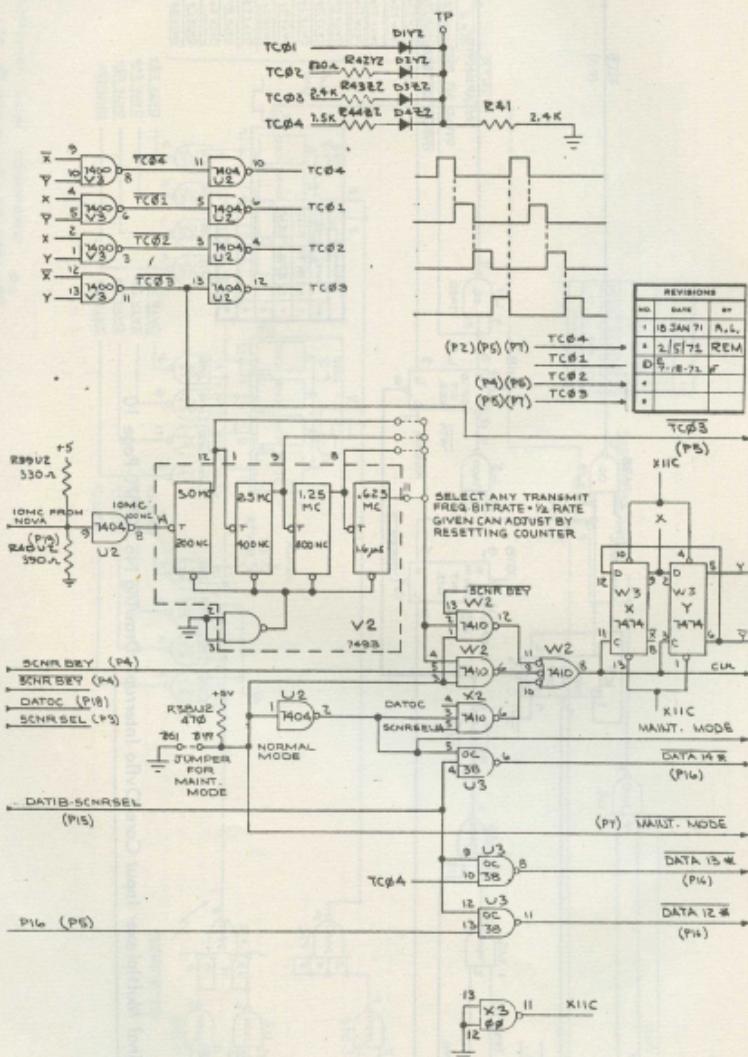


Terminal Multiplexer Input Core Address Drawing No. 01570 Page 9

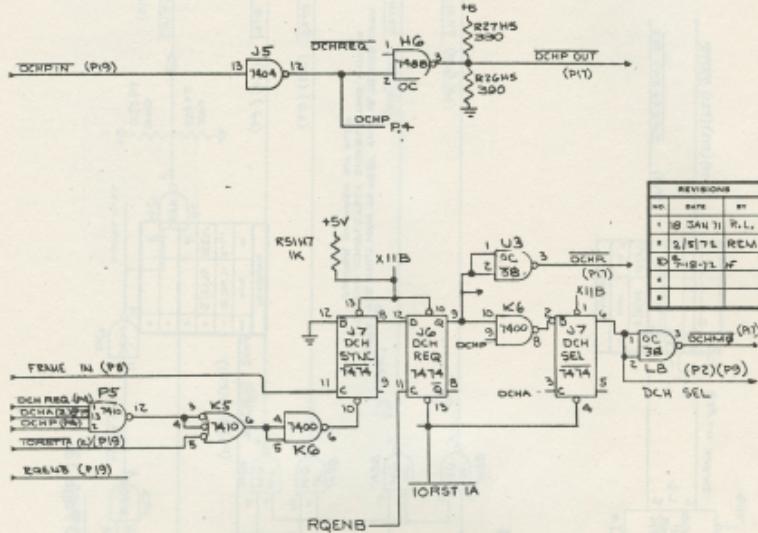
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Terminal Multiplexer Input Core Ovfl0 Interrupt Drawing No. 01570 Page 10

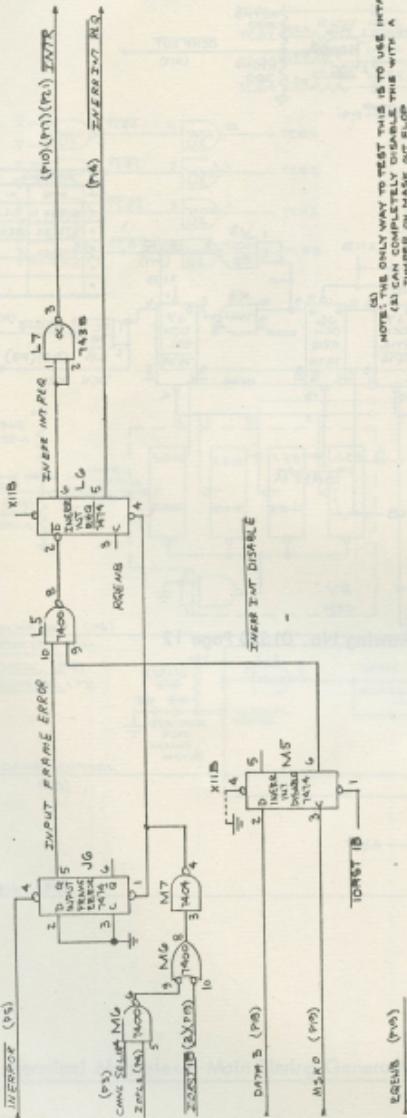


Terminal Multiplexer Main Timing Generation Drawing No. 01570 Page 11

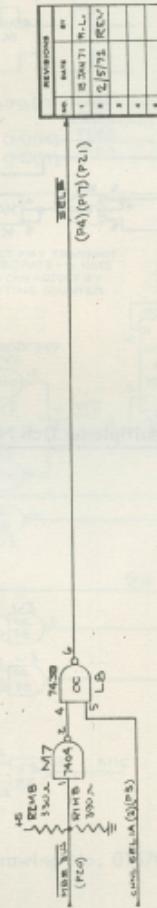


Terminal Multiplexer Dch Net Drawing No. 01570 Page 12

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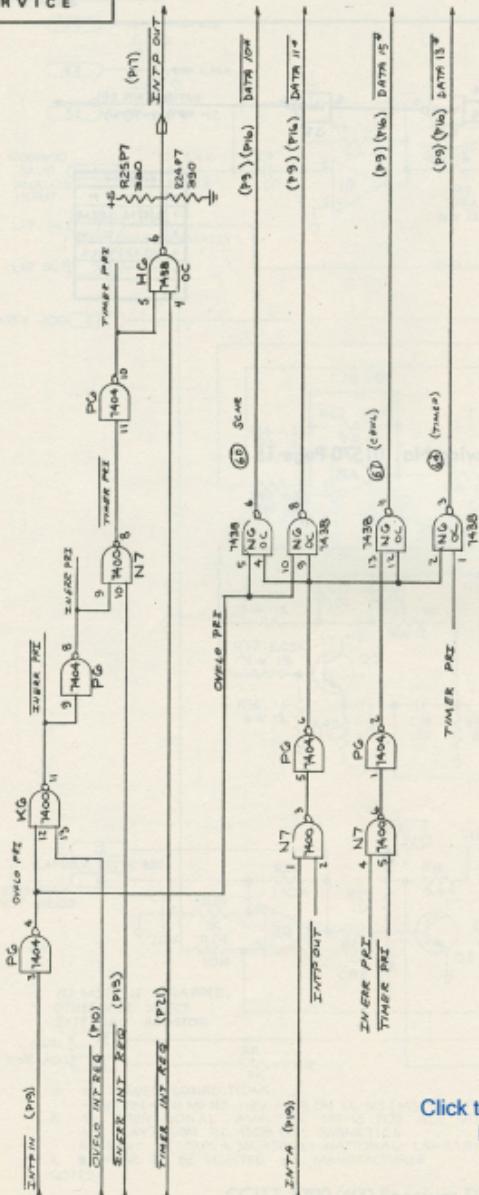


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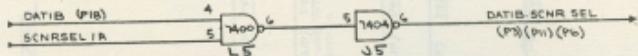
Terminal Multiplexer Input Frame Error Drawing No. 01570 Page 13

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REVISION	REV.	BY
1	2	SGT
D	6	RECH
	7	RECH
	8	
	9	
	10	

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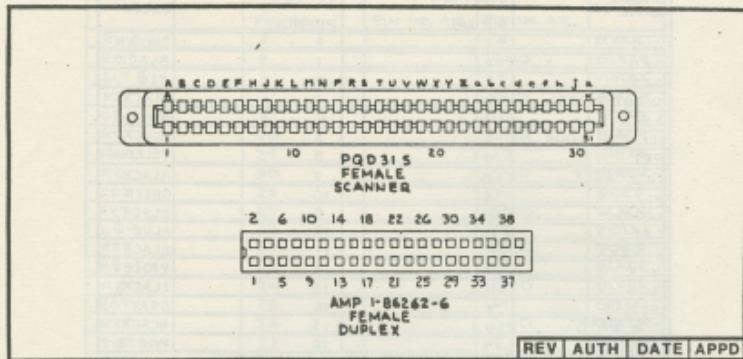
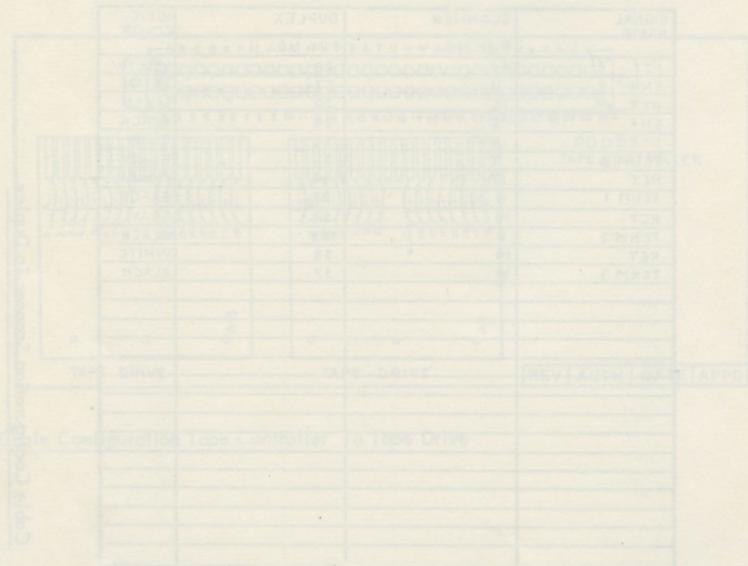
REVISIONS		
NO.	DATE	BY
1	2/5/71	RCM
2		
3		
4		
5		

Terminal Multiplexer Drawing No. 01570 Page 15

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SIGNAL NAME	SCANNER PIN NO.	DUPLEX PIN NO.	WIRE COLOR
GND	I	2	BROWN
GND	A	1	BLACK
RET	2	4	RED
INPUT MODE	B	3	BLACK
RET	3	6	ORANGE
INPUT/PUT MODE	C	5	BLACK
RET	4	8	YELLOW
INCK BUSS	D	7	BLACK
PT	5	10	GREEN
LOAD	E	9	BLACK
PT	6	12	BLUE
EUREKA	F	11	BLACK
RET	7	14	VIOLET
TOG	H	13	BLACK
RET	I	15	GRAY
SER DATA	J	15	BLACK
RET	K	18	WHITE
SER DATA	L	17	BLACK
RET	M	20	BROWN
SERIAL IN BUSS	N	19	BLACK
RET	O	22	BROWN
I SHOT BUSS	P	21	BLACK
SPARE	Q	24	RED
SPARE	R	23	BLACK
RET	S	26	ORANGE
SN2	T	25	BLACK

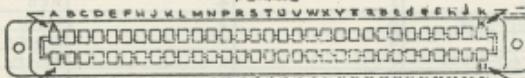
Cable Configuration Scanner To Duplex


Cable Configuration Scanner To Duplex


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SIGNAL NAME	SCANNER PIN NO.	PERTERM PIN NO.	WIRE COLOR
GND	1	2	BROWN
GND	A	1	BLACK
PET	2	4	RED
INPUT MODE	B	3	BLACK
RET	3	6	ORANGE
OUTPUT MODE	C	5	BLACK
RET	4	8	YELLOW
MUX BUSS	D	7	BLACK
RET	E	10	GREEN
LOAD	F	9	BLACK
RET	G	12	BLUE
EUREKA	H	11	BLACK
RET	I	14	VIOLET
TOG	J	13	BLACK
RET	K	16	GREY
SER DATA	L	15	BLACK
RET	M	18	WHITE
SER DATA	N	17	BLACK
RET	O	20	BROWN
SERIALIN BUSS	P	19	BLACK
RET	Q	22	BROWN
SHOT BUSS	R	21	BLACK
SPARE	S	24	RED
SPARE	T	23	BLACK
RET	U	26	ORANGE
SNZ	V	25	BLACK
RET	W	28	YELLOW

## FEMALE


 PQ0315  
 SCANNER

2 6 10 14 18 22 26 30 34 38



PERTERM

FEMALE

REV | AUTH | DATE | A-12

Cable Configuration Scanner To Perterm

Cable Configuration Scanner To Perterm