729906

STANDARDS CODE

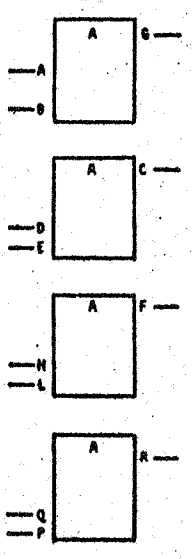
CARD CODE 729906

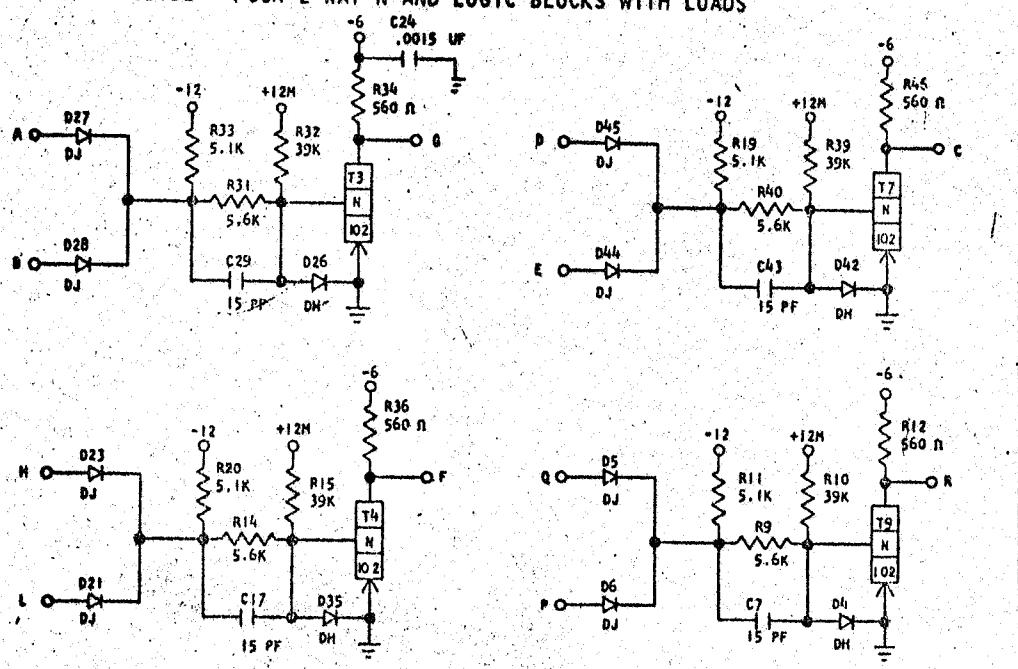
D E F -

REFERENCE DRAWING

SEE PRODUCTION DRAWING 370216

SDTDL - FOUR 2 WAY N AND LOGIC BLOCKS WITH LOADS





SEQUENCE OF OPERATION

1. ALL INPUTS DOWN TRANSISTOR ON OUTPUT UP
2. ANY INPUT UP TRANSISTOR OFF OUTPUT DOWN
3. LOGIC BLOCKS MAY HAVE SYMBOLS OTHER THAN SHOWN.

PINS		SIGNAL NAME	WAVE SHAPE	LEVELS	MIN	MAX
A,D, H,Q	Y	INPUT		UP	-.65	-.1
				DOWN	-5.81	-8.8
B,E, L,P	Y	INPUT		UP	-.65	-.1
				DOWN	-5.81	-8.8
G,F, F,R	Y	OUTPUT		UP	-.65	-.1
				DOWN	-5.8	-8.8

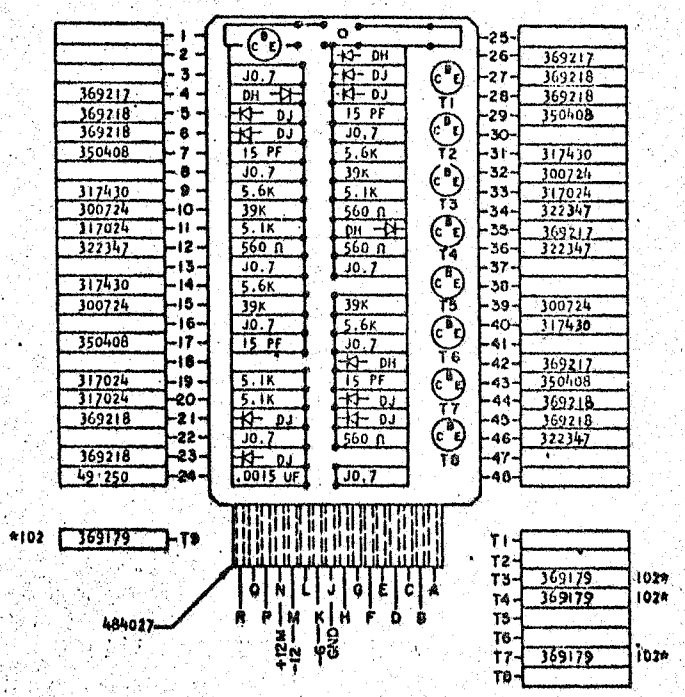
DELAY: SDTDL - HIGH SPEED

LOGIC BLOCK WITH 560 OHM COLLECTOR RESISTOR

	MIN.	MAX.
TURN ON (NSEC)	5	30*
TURN OFF (NSEC)	10	80**

*THIS DELAY CAN INCREASE TO 75 NSEC WHEN THE DRIVING BLOCK HAS 6.2K COLLECTOR RESISTOR RETURNED TO -12V.

**THIS DELAY CAN INCREASE TO 120 NSEC WHEN THE DRIVING BLOCK OR THE BLOCK THAT DRIVES THE DRIVING BLOCK HAS 6.2K COLLECTOR RESISTOR RETURNED TO -12V.



COMPONENT SIDE

CIRCUIT AND PACKAGING STANDARD	
APPROVAL	DATE
ABC	4-2-62

INTERNATIONAL BUSINESS MACHINES CORP.						DATE	CHANGE NO.	APPROVAL	DATE	CHANGE NO.	APPROVAL	DEVELOPMENT NO.
NAME	CARD ASM ISTR-SDTDL-FOUR 2-WAY N AND LOG BCKS WITH LOADS					6 1 62	EC 115599					
DESIGN				MODEL	SMS	30.4.63	JT 83687					
DETAIL	RO	3-1-62		SCALE	NONE							
CHECK	WH	3-1-62		DRAW	LIG 3-17-62							
APPRO				CHECK								

C

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