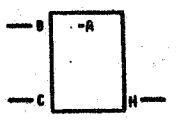
729868 STANDARDS CODE

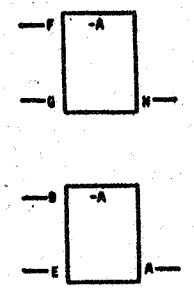
CARD CODE 729868
JG --

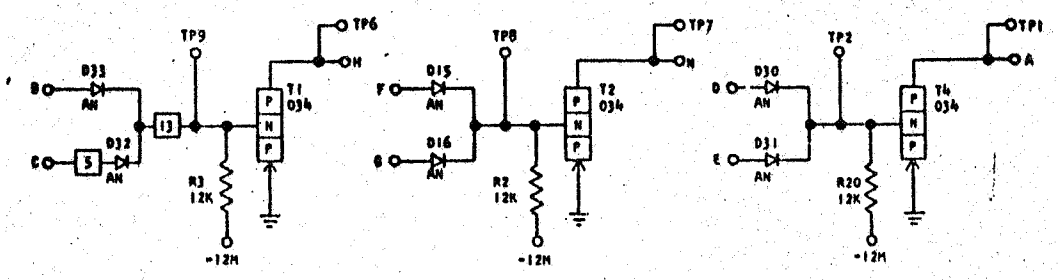
REFERENCE DRAWING

SEE PRODUCTION DRAWING 371583

CTDL HIGH SPEED - TWO WAY "AND" PNP NO LOADS







SEQUENCE OF OPERATION

1. ANY INPUT UP, TRANSISTOR IS OFF, THE OUTPUT IS DOWN
2. ALL INPUTS DOWN, THE TRANSISTOR IS ON, THE OUTPUT IS UP
3. ALL OUTPUTS MUST BE COLLECTOR LOADED
4. LOGIC BLOCKS MAY HAVE SYMBOLS OTHER THAN SHOWN

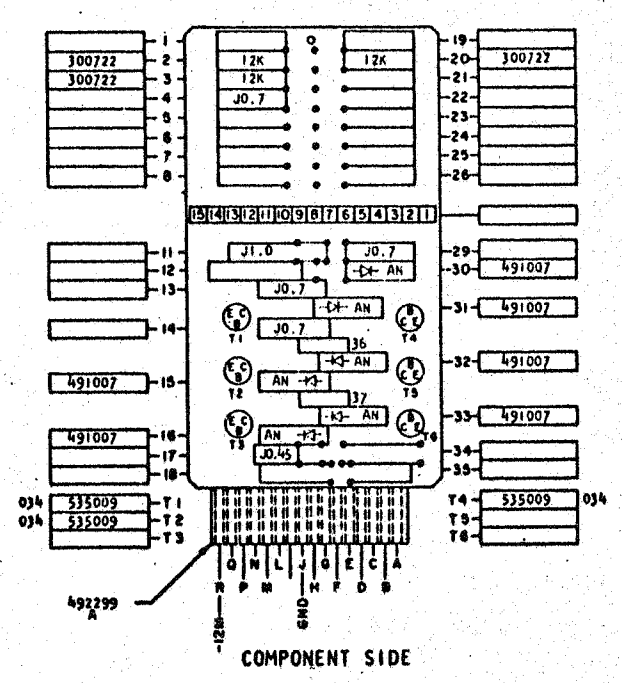
PINS	SIGNAL NAME		WAVE SHAPE	LEVELS	MIN	MAX
B,F,D, C,G,E	T	INPUT		UP	+1.44	+6.24
				DOWN	-.74	-6.24
H,N,A	U	OUTPUT		UP	-.54	+.24
				DOWN	-7.44	-12.48

DELAY

	MINIMUM	MAXIMUM
TURN ON	0.15	0.50
TURN OFF	0.05	0.80*

*THIS DELAY CAN OCCUR ONLY ON HEAVILY LOADED BLOCKS.

NOTE: THE ABOVE RANGES OF DELAYS ARE REPRESENTATIVE. SPECIFIC CIRCUIT APPLICATION AND/OR WIRING CAPACITANCE MAY RESULT IN DELAYS WHICH ARE OUT OF THE GIVEN RANGES. IN SUCH CASES, CARD REPLACEMENT SHOULD INDICATE IF THE CIRCUIT IS OUT OF SPECIFICATIONS. EXAMPLE: LOGIC BLOCK DRIVING EF "OR".



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 TSTR-CTDL HIGH SPEED-TWO WAY "AND" PNP NO LOADS					6-29-62	EC 115599					
DESIGN			MODEL	SMS		30.4.63	TT 83687					
DETAIL	RO	3-1-62	SCALE	NONE								
CHECK	WH	3-1-62	DRAW	LIG	3-17-62							
APPRO			CHECK									

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