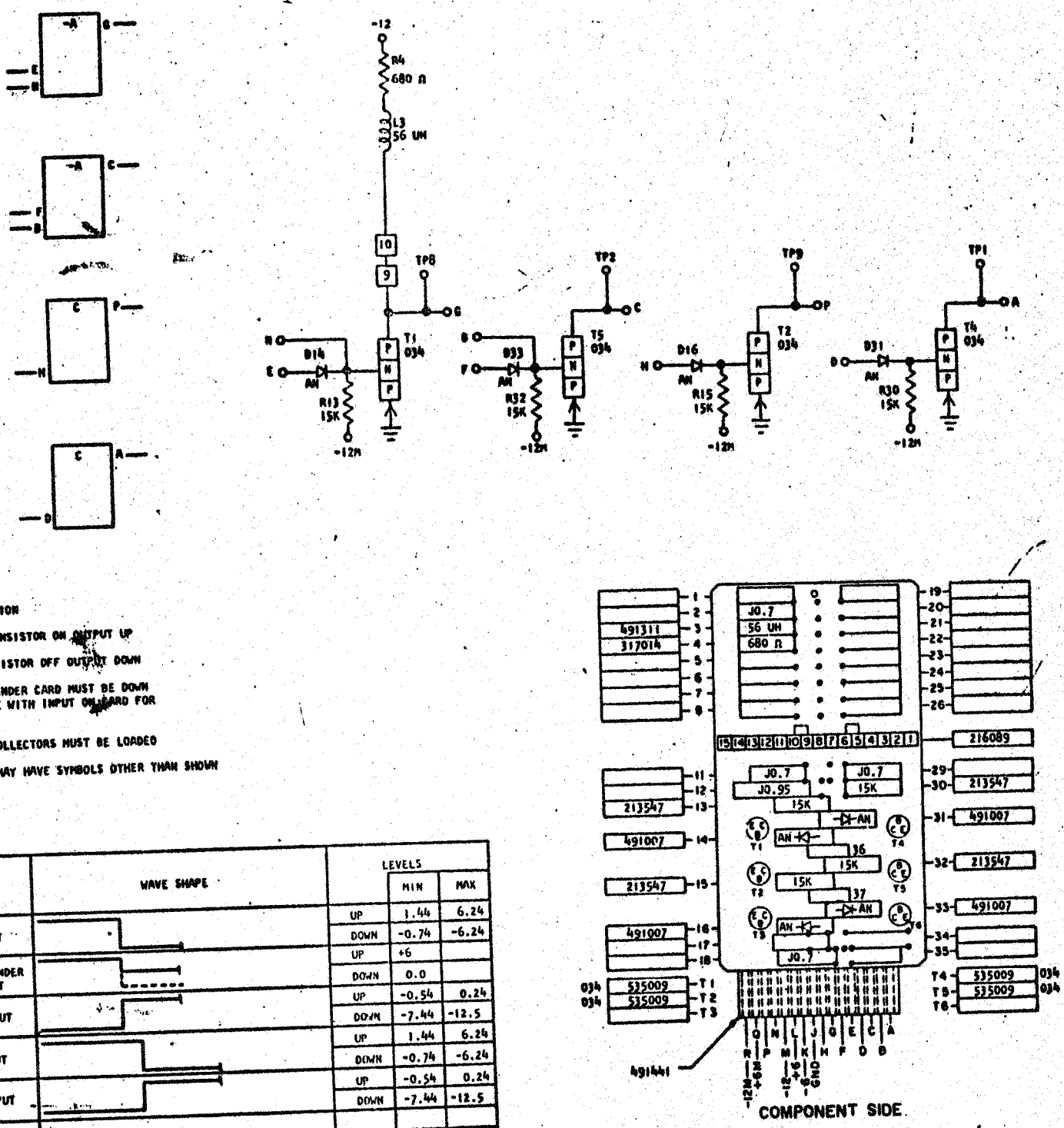
CARD CODE	729846
CQ YG	

729846

REFERENCE DRAWING

SEE PRODUCTION DRAWING 371278

CTDL - ONE WAY PNP



SEQUENCE OF OPERATION

1. INPUT DOWN TRANSISTOR ON OUTPUT UP
2. INPUT UP TRANSISTOR OFF OUTPUT DOWN
3. INPUTS ON EXTENDER CARD MUST BE DOWN IN COINCIDENCE WITH INPUT ON CARD FOR UP OUTPUT
4. T5, T2, T4, COLLECTORS MUST BE LOADED
5. LOGIC BLOCKS MAY HAVE SYMBOLS OTHER THAN SHOWN

PINS		SIGNAL NAME	WAVE SHAPE	LEVELS	MIN	MAX
E, F	T	INPUT		UP	1.44	6.24
				DOWN	-0.74	-6.24
N, B		EXTENDER INPUT		UP	+6	
				DOWN	0.0	
G, C	U	OUTPUT		UP	-0.54	0.24
				DOWN	-7.44	-12.5
H, D	T	INPUT		UP	1.44	6.24
				DOWN	-0.74	-6.24
P, A	U	OUTPUT		UP	-0.54	0.24
				DOWN	-7.44	-12.5

DELAY - USEC

	MINIMUM	MAXIMUM
TURN ON	0.10	0.80
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-ONE WAY PNP					6-19-63	EC115599					729846
						10-4-63	JT83689					
DESIGN			MODEL	SMS								
DETAIL	RQ	3-1-62	SCALE	NONE								
CHECK	WH	3-1-62	DRAW	LIG	3-17-62							
APPRO			CHECK									

C

729846