

729917

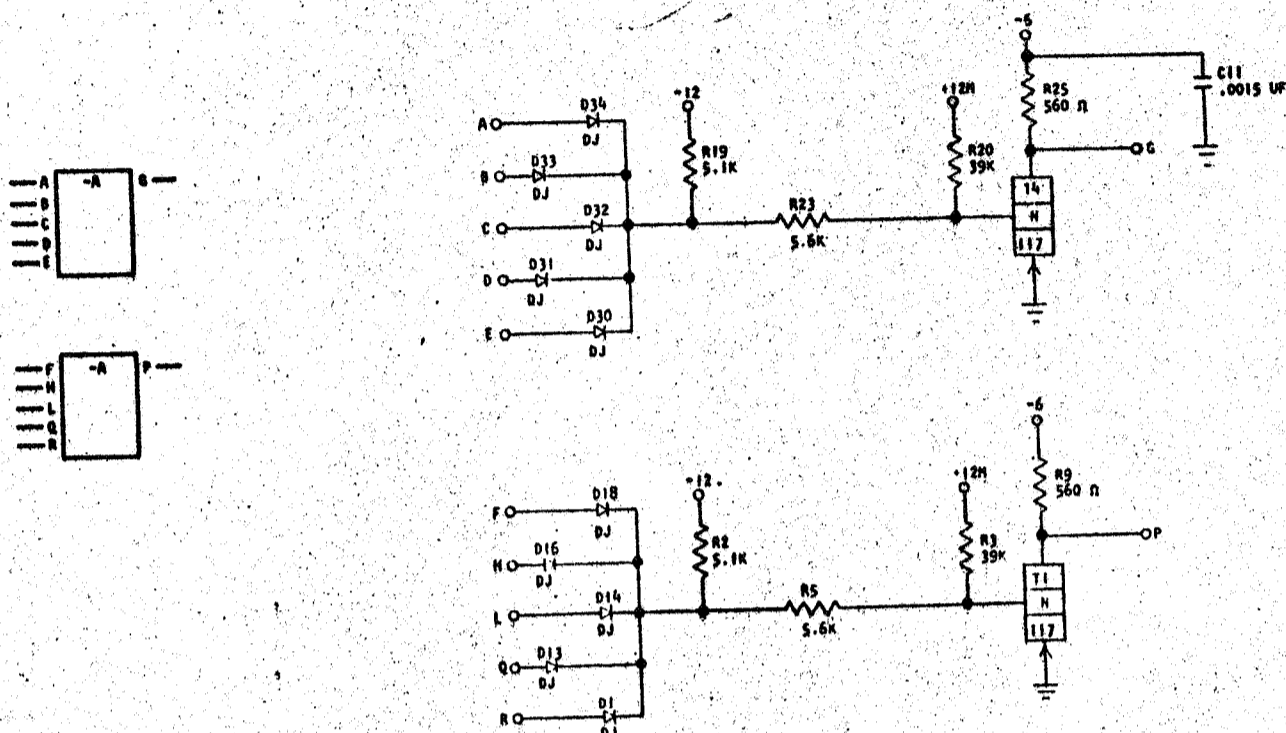
STANDARD CODE

CARD CODE 729917  
D G X -

REFERENCE DRAWING

SEE PRODUCTION DRAWING 370376

SDTDL-5-WAY LOGIC BLOCK LOW SPEED 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, F | Y INPUT     | [Waveform] | UP     | -0.65 -1.1 |
| B, H | Y INPUT     | [Waveform] | DOWN   | -5.81 -8.8 |
| C, L | Y INPUT     | [Waveform] | UP     | -0.65 -1.1 |
| D, Q | Y INPUT     | [Waveform] | DOWN   | -5.81 -8.8 |
| E, R | Y INPUT     | [Waveform] | UP     | -0.65 -1.1 |
| G, P | Y INPUT     | [Waveform] | DOWN   | -5.81 -8.8 |

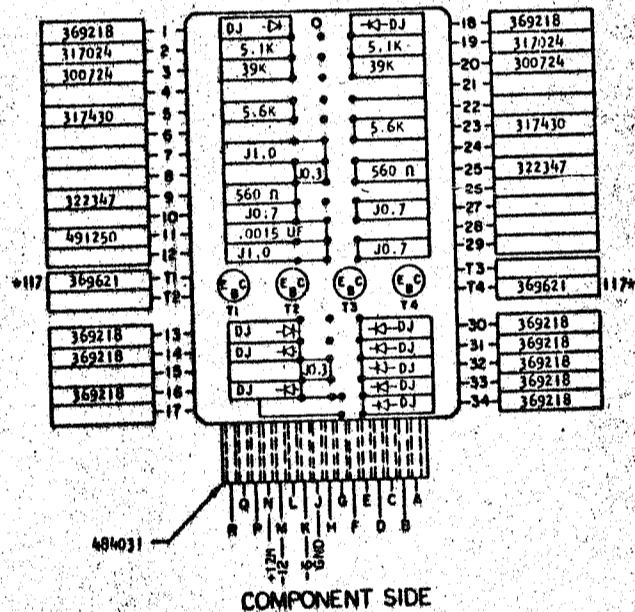
DELAY: SDTDL - LOW SPEED

LOGIC BLOCK WITH 560 OHM COLLECTOR RESISTOR

| TURN ON (NSEC)  | MIN. | MAX. |
|-----------------|------|------|
| TURN OFF (NSEC) | 75   | 100  |
|                 | 40   | 200  |

\*THIS DELAY CAN INCREASE TO 200 NSEC WHEN THE DRIVING BLOCK HAS 6.2K COLLECTOR RESISTOR RETURNED TO -12V.

\*\*THIS DELAY CAN INCREASE TO 350 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 ASH TSTR-SDTDL 5-WAY        | 6-27-62 | EC 115599  |          |      |            |          |                 |
| DESIGN                                | LOGIC BLOCK LOW SPEED WITH LOADS | 30.4.63 | JT 83687   |          |      |            |          |                 |
| DRAWN                                 | RD-2-1-62                        | SCALE   | NONE       |          |      |            |          |                 |
| CHECK                                 | WH-3-1-62                        | DRAWN   | LIG 3-7-62 |          |      |            |          |                 |
| APPROV                                |                                  | CHECK   |            |          |      |            |          |                 |

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