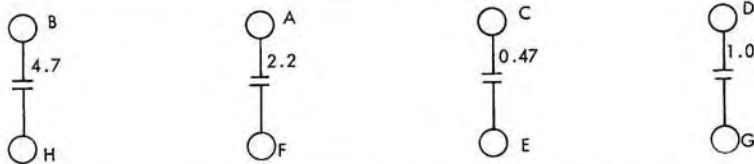
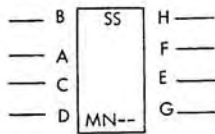


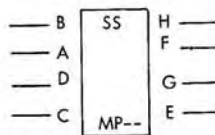
MM-- 371624

|                                |                     |     |      |      |      |      |          |     |          |     |     |     |       |       |       |       |
|--------------------------------|---------------------|-----|------|------|------|------|----------|-----|----------|-----|-----|-----|-------|-------|-------|-------|
| Timing (Pulse Duration) (usec) | From ( $\pm 23\%$ ) | 6.1 | 10.5 | 15.1 | 20.2 | 28.8 | 63.3     | 114 | 152      | 205 | 310 | 426 | 617   | 925   | 1,360 | 1,660 |
|                                | To ( $\pm 17\%$ )   | 9.4 | 17.6 | 25.6 | 36.5 | 51.8 | 114      | 190 | 265      | 365 | 555 | 765 | 1,100 | 1,650 | 2,420 | 2,980 |
| Back Panel Wiring              | Connect to Pin H*   | H   | H    | H    | F    | FH   | F        | F   | F        | F   | EF  | E   | E     | E     | E     | EF    |
|                                | Connect to Pin G*   | B   | N    | BN   | A    | NA   | A        | C   | C        | D   | CD  | G   | DG    | P     | GP    | CDGP  |
|                                | Other Connection    | -   | -    | -    | -    | -    | G* to C* | -   | G* to C* | -   | -   | -   | -     | -     | -     | -     |



MN-- 371625

|                                |                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Timing (Pulse Duration) (msec) | From ( $\pm 23\%$ ) | 2.29 | 2.99 | 3.37 | 4.02 | 4.87 | 7.23 | 10.7 | 13.1 | 15.7 | 18.0 | 22.8 | 28.0 | 33.9 | 38.8 |
|                                | To ( $\pm 17\%$ )   | 3.02 | 3.96 | 4.48 | 5.38 | 6.45 | 9.60 | 14.3 | 17.5 | 20.7 | 23.9 | 30.4 | 37.2 | 45.0 | 51.5 |
| Back Panel Wiring              | Connect to Pin H*   | E    | H    | F    | H    | G    | EG   | F    | FE   | FG   | FEG  | H    | HG   | HF   | HFG  |
|                                | Connect to Pin G*   | C    | D    | D    | D    | D    | CD   | A    | AC   | AD   | ACD  | B    | BD   | BA   | BAD  |
|                                | Other Connections   | -    | BFAG | AG   | BG   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |



MP-- 371638

|                                |                     |      |         |      |     |         |         |     |     |     |     |       |       |       |       |               |
|--------------------------------|---------------------|------|---------|------|-----|---------|---------|-----|-----|-----|-----|-------|-------|-------|-------|---------------|
| Timing (Pulse Duration) (msec) | From ( $\pm 23\%$ ) | 49.2 | 64.0    | 82.2 | 108 | 124     | 207     | 270 | 339 | 389 | 600 | 833   | 990   | 1,570 | 1,910 | 2,300         |
|                                | To ( $\pm 17\%$ )   | 65.2 | 84.5    | 109  | 143 | 163     | 274     | 359 | 450 | 516 | 795 | 1,100 | 1,610 | 2,090 | 2,530 | 3,040         |
| Back Panel Wiring              | Connect to Pin H*   | H    | -       | F    | F   | H       | H       | F   | E   | HE  | F   | E     | G     | G     | GE    | HFGE          |
|                                | Connect to Pin G*   | B    | A       | C    | A   | BA      | B       | AD* | C   | BC  | AB* | CB*   | D     | DB*   | DCB*  | ABCD<br>B* D* |
|                                | Other Connections   | -    | F to D* | AE   | -   | F to D* | G* to B | -   | -   | -   | -   | -     | -     | -     | -     | -             |

\*Indicates Pins on MR-- Card.  
(Note. All Capacitor Values in MFD.)

### Single-Shot Timing Cards

This group of single-shot timing cards consists of different capacitor values arranged in various configurations. These capacitors are connected to the coupling pins of the single-shot 2 card (MR--) and permit a wide selection of output pulse timings. A typical ALD application is given.

The available timings for each card when used with the MR-- single-shot card are summarized in the chart. Refer to the MR-- card for circuit description and application of these cards.