

|                |                                   |           |           |           |               |     |      |           |               |                |     |
|----------------|-----------------------------------|-----------|-----------|-----------|---------------|-----|------|-----------|---------------|----------------|-----|
| STANDARDS CODE | CIRCUIT AND<br>PACKAGING STANDARD | SYM       | DATE      | CHANGE NO | TECH<br>APPRO | SYM | DATE | CHANGE NO | TECH<br>APPRO | DEVELOPMENT NO | Q/M |
| 2-7045         |                                   |           | 12-02-63  | DEV. 1617 |               |     |      |           |               |                |     |
| CARD CODE      | APPROVAL                          | DATE      | 8-18-64   | 160484    |               |     |      |           |               |                |     |
| 4015           | G. H. M.                          | 26 AUG 66 | 12 SEP 66 | 16874618  |               |     |      |           |               | 5804015        |     |

RESTRICTED

SHEET 4 OF 4

| DELAY | DELAY LINE 2 (5-125 NS)               | DELAY LINE 3 (5-125 NS)                |
|-------|---------------------------------------|----------------------------------------|
| NS    | JUMPER POSITION (PINS)                | JUMPER POSITION (PINS)                 |
| 5     | 1-25, 27-29                           | 30-10, 8-4                             |
| 10    | 1-20, 22-29                           | 30-14, 12-4                            |
| 15    | 1-20, 22-25, 27-29                    | 30-14, 12-10, 8-4                      |
| 20    | 1-16, 18-29                           | 30-19, 17-4                            |
| 25    | 1-16, 18-25, 27-29                    | 30-19, 17-10, 8-4                      |
| 30    | 1-16, 18-20, 22-29                    | 30-19, 17-14, 12-4                     |
| 35    | 1-16, 18-20, 22-25, 27-29             | 30-19, 17-14, 12-10, 8-4               |
| 40    | 1-11, 13-29                           | 30-23, 21-4                            |
| 45    | 1-11, 13-25, 27-29                    | 30-23, 21-10, 8-4                      |
| 50    | 1-7, 9-29                             | 30-28, 26-4                            |
| 55    | 1-7, 9-25, 27-29                      | 30-28, 26-10, 8-4                      |
| 60    | 1-7, 9-20, 22-29                      | 30-28, 26-14, 12-4                     |
| 65    | 1-7, 9-20, 22-25, 27-29               | 30-28, 26-14, 12-10, 8-4               |
| 70    | 1-7, 9-16, 18-29                      | 30-28, 26-19, 17-4                     |
| 75    | 1-7, 9-16, 18-25, 27-29               | 30-28, 26-19, 17-10, 8-4               |
| 80    | 1-7, 9-16, 18-20, 22-29               | 30-28, 26-19, 17-14, 12-4              |
| 85    | 1-7, 9-16, 18-20, 22-25, 27-29        | 30-28, 26-19, 17-14, 12-10, 8-4        |
| 90    | 1-7, 9-11, 13-29                      | 30-28, 26-23, 21-4                     |
| 95    | 1-7, 9-11, 13-25, 27-29               | 30-28, 26-23, 21-10, 8-4               |
| 100   | 1-7, 9-11, 13-20, 22-29               | 30-28, 26-23, 21-14, 12-4              |
| 105   | 1-7, 9-11, 13-20, 22-25, 27-29        | 30-28, 26-23, 21-14, 12-10, 8-4        |
| 110   | 1-7, 9-11, 13-16, 18-29               | 30-28, 26-23, 21-19, 17-4              |
| 115   | 1-7, 9-11, 13-16, 18-25, 27-29        | 30-28, 26-23, 21-19, 17-10, 8-4        |
| 120   | 1-7, 9-11, 13-16, 18-20, 22-29        | 30-28, 26-23, 21-19, 17-14, 12-4       |
| 125   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29 | 30-28, 26-23, 21-19, 17-14, 12-10, 8-4 |

| DELAY | DELAY LINES 2 & 3 (130-250 NS)                                               |
|-------|------------------------------------------------------------------------------|
| NS    | JUMPER POSITIONS (PINS)                                                      |
| 130   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-30                             |
| 135   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-30                            |
| 140   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-30                      |
| 145   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-17, 19-30                            |
| 150   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-17, 19-30                      |
| 155   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-17, 19-30                     |
| 160   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-17, 19-30               |
| 165   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-21, 23-30                            |
| 170   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-21, 23-30                      |
| 175   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-26, 28-30                            |
| 180   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-26, 28-30                      |
| 185   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-26, 28-30                     |
| 190   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-26, 28-30               |
| 195   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-17, 19-26, 28-30                     |
| 200   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-17, 19-26, 28-30               |
| 205   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-17, 19-26, 28-30              |
| 210   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-17, 19-26, 28-30        |
| 215   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-21, 23-26, 28-30                     |
| 220   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-21, 23-26, 28-30               |
| 225   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-21, 23-26, 28-30              |
| 230   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-21, 23-26, 28-30        |
| 235   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-17, 19-21, 23-26, 28-30              |
| 240   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-17, 19-21, 23-26, 28-30        |
| 245   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-12, 14-17, 19-21, 23-26, 28-30       |
| 250   | 1-7, 9-11, 13-16, 18-20, 22-25, 27-29-4-8, 10-12, 14-17, 19-21, 23-26, 28-30 |

NOTE - ALL POSITIONS ON CHART ARE UI

5804015 C

|                                      |                       |         |       |             |  |
|--------------------------------------|-----------------------|---------|-------|-------------|--|
| INTERNATIONAL BUSINESS MACHINES CORP |                       |         |       |             |  |
| NAME                                 | CARD ASM - DELAY LINE |         |       |             |  |
| 2-LSA-AJ'S & 2 LTNS                  |                       |         |       |             |  |
| DESIGN                               | GT                    | 5-20-63 | TYPE  | 2050        |  |
| DETAIL                               | HDS                   | 5-20-63 | SCALE | NONE        |  |
| CHECK                                | D.J.L.                | 6-10-63 | DRAW  | CDA 6-10-64 |  |
| APPRO                                | W.J.R.                | 7-17-63 | CHECK | CDA 6-11-64 |  |