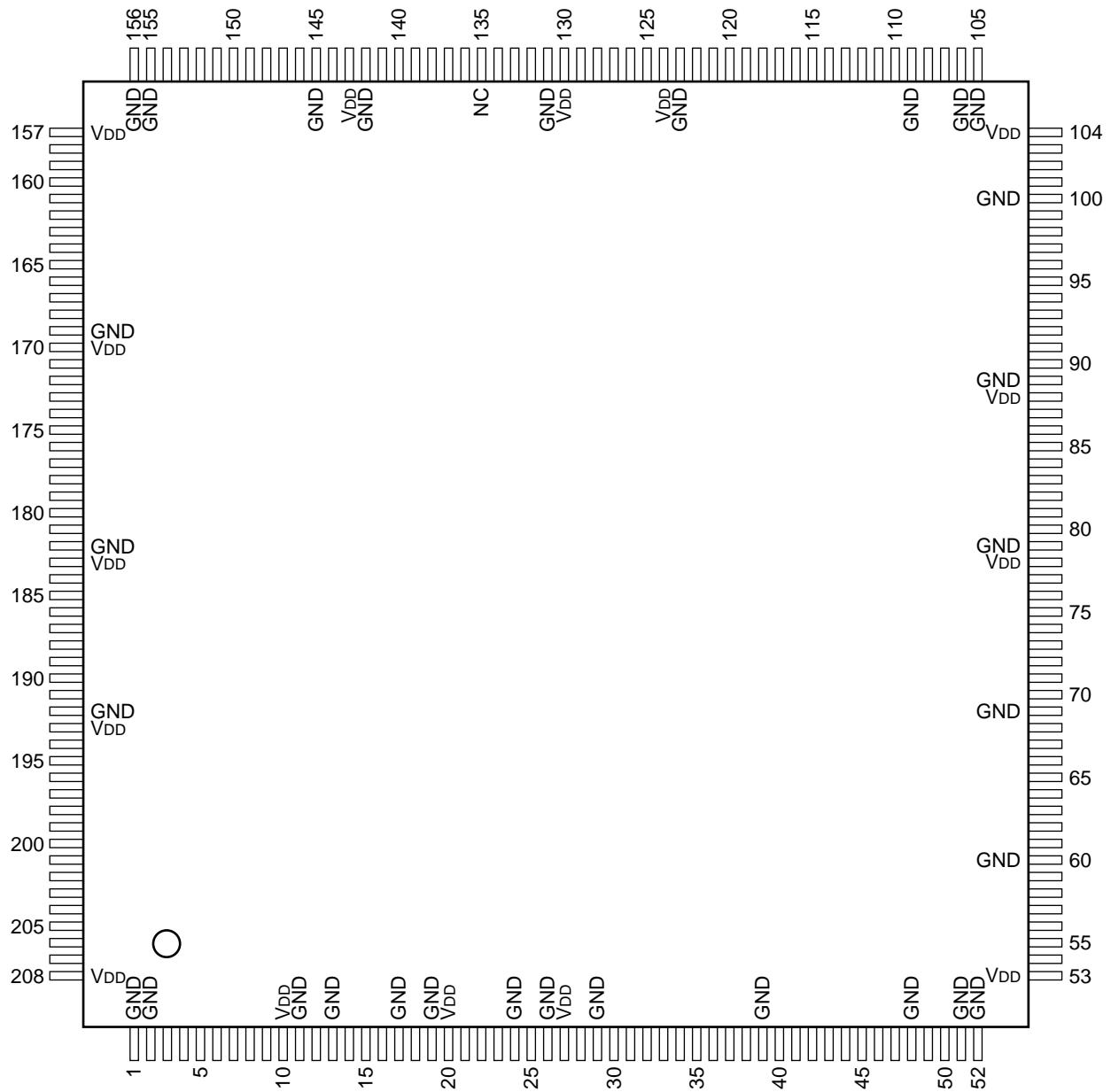


## C-MOS FRAME MEMORY CONTROL

—TOP VIEW—



| PIN NO. | I/O | SIGNAL  | PIN NO. | I/O | SIGNAL | PIN NO. | I/O | SIGNAL   | PIN NO. | I/O | SIGNAL   |
|---------|-----|---------|---------|-----|--------|---------|-----|----------|---------|-----|----------|
| 1       | —   | GND     | 53      | —   | VDD    | 105     | —   | GND      | 157     | —   | VDD      |
| 2       | —   | GND     | 54      | I/O | DIOA2  | 106     | —   | GND      | 158     | I   | TEST9    |
| 3       | I   | C SYNCB | 55      | I/O | DIOA3  | 107     | O   | WE0B     | 159     | I   | TEST10   |
| 4       | O   | EXTHB   | 56      | I/O | DIOA4  | 108     | O   | WE1B     | 160     | I   | TEST11   |
| 5       | O   | EXTVB   | 57      | I/O | DIOA5  | 109     | —   | GND      | 161     | I   | TEST12   |
| 6       | O   | CLUMPB  | 58      | I/O | DIOA6  | 110     | O   | HCLK     | 162     | I   | TEST13   |
| 7       | I   | CL SEL0 | 59      | I/O | DIOA7  | 111     | O   | DRB      | 163     | I   | TEST14   |
| 8       | I   | CL SEL1 | 60      | —   | GND    | 112     | O   | STBB     | 164     | I   | TEST15   |
| 9       | I   | HDO0    | 61      | I/O | DIOA8  | 113     | O   | HDATA9   | 165     | I   | TEST16   |
| 10      | —   | VDD     | 62      | I/O | DIOA9  | 114     | O   | HDATA8   | 166     | I   | TEST17   |
| 11      | —   | GND     | 63      | I/O | DIOA10 | 115     | O   | HDATA7   | 167     | I   | TEST18   |
| 12      | I   | DCKI0   | 64      | I/O | DIOA11 | 116     | O   | HDATA6   | 168     | I   | TEST19   |
| 13      | —   | GND     | 65      | I/O | DIOA12 | 117     | O   | HDATA5   | 169     | —   | GND      |
| 14      | I   | DCKI1   | 66      | I/O | DIOA13 | 118     | O   | HDATA4   | 170     | —   | VDD      |
| 15      | —   | GND     | 67      | I/O | DIOA14 | 119     | O   | HDATA3   | 171     | O   | BLKB TST |
| 16      | O   | DCKO0   | 68      | I/O | DIOA15 | 120     | O   | HDATA2   | 172     | O   | DO TST0  |
| 17      | —   | GND     | 69      | —   | GND    | 121     | O   | HDATA1   | 173     | O   | DO TST1  |
| 18      | O   | DCKO1   | 70      | I/O | DIQB0  | 122     | O   | HDATA0   | 174     | O   | DO TST2  |
| 19      | —   | GND     | 71      | I/O | DIQB1  | 123     | —   | GND      | 175     | O   | DO TST3  |
| 20      | —   | VDD     | 72      | I/O | DIQB2  | 124     | —   | VDD      | 176     | O   | DO TST4  |
| 21      | I   | H SYNCB | 73      | I/O | DIQB3  | 125     | I   | FETCHB   | 177     | O   | DO TST5  |
| 22      | I   | HDO1    | 74      | I/O | DIQB4  | 126     | I   | FTSTOPB  | 178     | O   | DO TST6  |
| 23      | I   | MCLK    | 75      | I/O | DIQB5  | 127     | O   | FECHINGB | 179     | O   | DO TST7  |
| 24      | —   | GND     | 76      | I/O | DIQB6  | 128     | I   | COPYB    | 180     | O   | P1B TST  |
| 25      | O   | SCLK    | 77      | I/O | DIQB7  | 129     | I   | CPSTOPB  | 181     | O   | P2B TST  |
| 26      | —   | GND     | 78      | —   | VDD    | 130     | —   | VDD      | 182     | —   | GND      |
| 27      | —   | VDD     | 79      | —   | GND    | 131     | —   | GND      | 183     | —   | VDD      |
| 28      | O   | HTO     | 80      | I/O | DIQB8  | 132     | O   | COPYINGB | 184     | O   | P3B TST  |
| 29      | —   | GND     | 81      | I/O | DIQB9  | 133     | O   | INT VB   | 185     | O   | PRTB TST |
| 30      | I   | DCKSEL  | 82      | I/O | DIQB10 | 134     | I   | MTPULSE  | 186     | O   | WSAD TST |
| 31      | I   | AD07    | 83      | I/O | DIQB11 | 135     | —   | NC       | 187     | O   | WSB TST  |
| 32      | I   | AD06    | 84      | I/O | DIQB12 | 136     | I   | REGSEL0  | 188     | O   | OD TSO14 |
| 33      | I   | AD05    | 85      | I/O | DIQB13 | 137     | I   | REGSEL1  | 189     | O   | HS TSO15 |
| 34      | I   | AD04    | 86      | I/O | DIQB14 | 138     | I   | REGLDB   | 190     | I   | TEB      |
| 35      | I   | AD03    | 87      | I/O | DIQB15 | 139     | I   | REGENB   | 191     | I   | TIN      |
| 36      | I   | AD02    | 88      | —   | VDD    | 140     | I   | SCK      | 192     | —   | GND      |
| 37      | I   | AD01    | 89      | —   | GND    | 141     | I   | SI       | 193     | —   | VDD      |
| 38      | I   | AD00    | 90      | O   | DADR0  | 142     | —   | GND      | 194     | O   | GM TOUT  |
| 39      | —   | GND     | 91      | O   | DADR1  | 143     | —   | VDD      | 195     | O   | VC TOUT  |
| 40      | I   | AD17    | 92      | O   | DADR2  | 144     | I   | RESB     | 196     | O   | IP TOUT  |
| 41      | I   | AD16    | 93      | O   | DADR3  | 145     | —   | GND      | 197     | O   | HD TOUT0 |
| 42      | I   | AD15    | 94      | O   | DADR4  | 146     | I   | TEST0    | 198     | O   | HD TOUT1 |
| 43      | I   | AD14    | 95      | O   | DADR5  | 147     | I   | TEST1    | 199     | O   | HD TOUT2 |
| 44      | I   | AD13    | 96      | O   | DADR6  | 148     | I   | TEST2    | 200     | O   | HD TOUT3 |
| 45      | I   | AD12    | 97      | O   | DADR7  | 149     | I   | TEST3    | 201     | O   | HD TOUT4 |
| 46      | I   | AD11    | 98      | O   | DADR8  | 150     | I   | TEST4    | 202     | O   | HD TOUT5 |
| 47      | I   | AD10    | 99      | O   | DADR9  | 151     | I   | TEST5    | 203     | O   | HD TOUT6 |
| 48      | —   | GND     | 100     | —   | GND    | 152     | I   | TEST6    | 204     | O   | HD TOUT7 |
| 49      | I/O | DIOA0   | 101     | O   | RASB   | 153     | I   | TEST7    | 205     | O   | HD TOUT8 |
| 50      | I/O | DIOA1   | 102     | O   | CASB   | 154     | I   | TEST8    | 206     | O   | HD TOUT9 |
| 51      | —   | GND     | 103     | O   | OEB    | 155     | —   | GND      | 207     | O   | VF       |
| 52      | —   | GND     | 104     | —   | VDD    | 156     | —   | GND      | 208     | —   | VDD      |