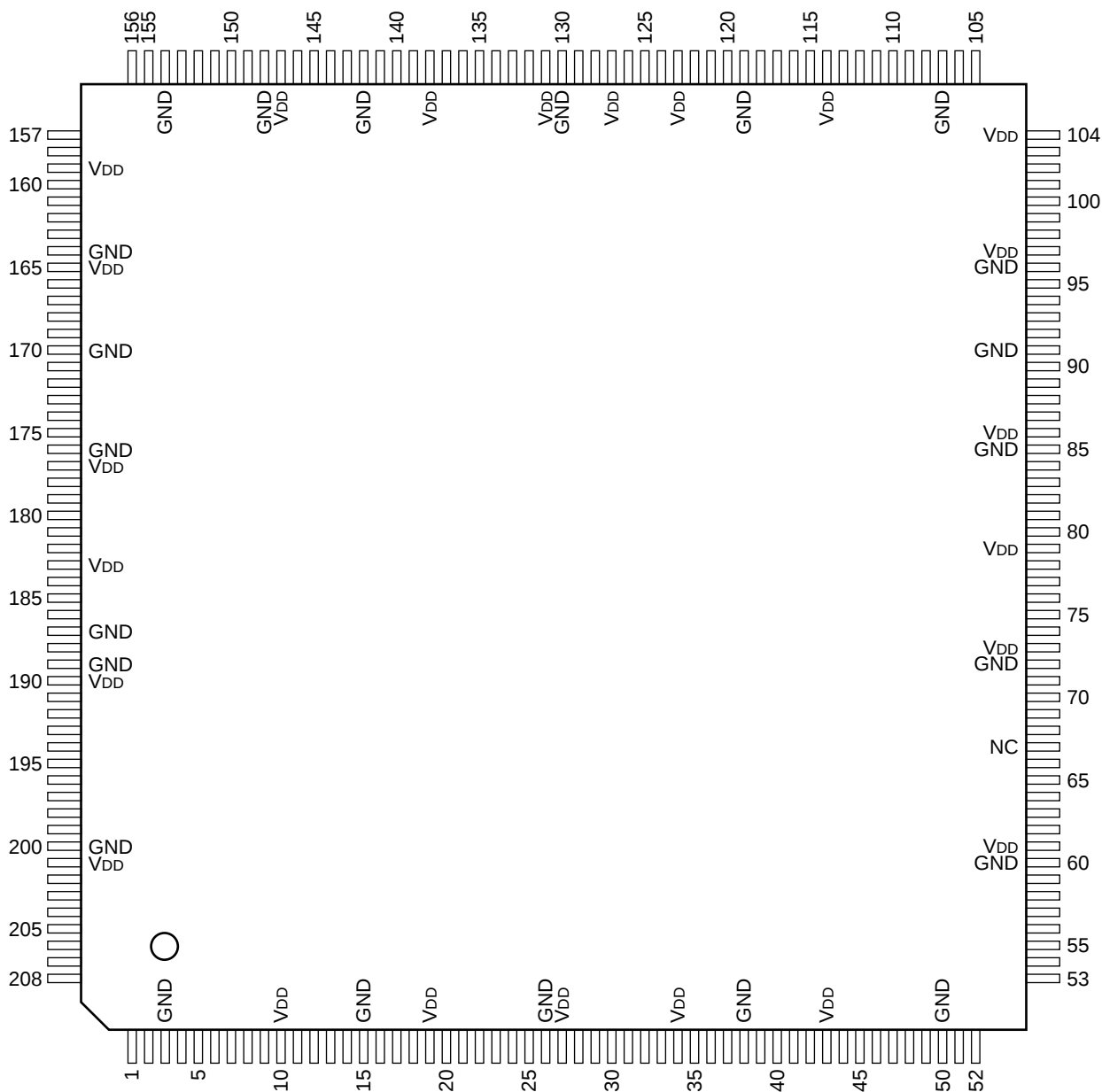


# C-MOS ERROR CORRECTION DECODER

—TOP VIEW—



| PIN NO. | I/O | SIGNAL     | PIN NO. | I/O | SIGNAL     | PIN NO. | I/O | SIGNAL      | PIN NO. | I/O | SIGNAL     |
|---------|-----|------------|---------|-----|------------|---------|-----|-------------|---------|-----|------------|
| 1       | I   | RST RESET  | 53      | I   | IP SYRW    | 105     | I   | IP SPSTOM   | 157     | O   | OP MRAS    |
| 2       | O   | VDD2 ADD0  | 54      | O   | OP SYRW    | 106     | I   | CLK CKSPM   | 158     | O   | OP MCS     |
| 3       | —   | GND        | 55      | O   | OP ADOUT12 | 107     | —   | GND         | 159     | —   | VDD        |
| 4       | I/O | BP AXRQ    | 56      | O   | OP ADOUT34 | 108     | I   | IP SPINM 7  | 160     | O   | OP MA 11   |
| 5       | I/O | BP AXE     | 57      | O   | OP AVSTO   | 109     | I   | IP SPINM 6  | 161     | O   | OP MA 10   |
| 6       | I/O | BP AXD 0   | 58      | I   | IP DEBUG   | 110     | I   | IP SPINM 5  | 162     | O   | OP MA 9    |
| 7       | I/O | BP AXD 1   | 59      | I   | IP VPD     | 111     | I   | IP SPINM 4  | 163     | O   | OP MA 8    |
| 8       | I/O | BP AXD 2   | 60      | —   | GND        | 112     | I   | IP SPINM 3  | 164     | —   | GND        |
| 9       | I/O | BP AXD 3   | 61      | —   | VDD        | 113     | I   | IP SPINM 2  | 165     | —   | VDD        |
| 10      | —   | VDD        | 62      | I   | IP JUMP    | 114     | —   | VDD         | 166     | O   | OP MA 7    |
| 11      | I/O | BP AXD 4   | 63      | I   | IP REV     | 115     | I   | IP SPINM 1  | 167     | O   | OP MA 6    |
| 12      | I/O | BP AXD 5   | 64      | I   | IP FRAME   | 116     | I   | IP SPINM 0  | 168     | O   | OP MA 5    |
| 13      | I/O | BP AXD 6   | 65      | I   | IP FS      | 117     | O   | OP ECMONM 2 | 169     | O   | OP MA 4    |
| 14      | I/O | BP AXD 7   | 66      | I   | CLK FS256  | 118     | O   | OP ECMONM 1 | 170     | —   | GND        |
| 15      | —   | GND        | 67      | —   | NC         | 119     | —   | GND         | 171     | O   | OP MA 3    |
| 16      | O   | OP TRREF   | 68      | I   | IP EESWPS  | 120     | O   | OP ECMONM 0 | 172     | O   | OP MA 2    |
| 17      | O   | OP ACEF    | 69      | I   | IP EESWPM  | 121     | O   | OP ECMONS 2 | 173     | O   | OP MA 1    |
| 18      | O   | OP PBSYM   | 70      | I   | IP PBSWPS  | 122     | O   | OP ECMONS 1 | 174     | O   | OP MA 0    |
| 19      | —   | VDD        | 71      | I   | IP PBSWPM  | 123     | —   | VDD         | 175     | I   | IP MINIT   |
| 20      | O   | OP PBSYS   | 72      | —   | GND        | 124     | O   | OP ECMONS 0 | 176     | —   | GND        |
| 21      | O   | OP SEG 0   | 73      | —   | VDD        | 125     | I   | IP MBSEL    | 177     | —   | VDD        |
| 22      | O   | OP SEG 1   | 74      | I   | IP SPINS 0 | 126     | I   | IP MRW      | 178     | I   | IP CID 2   |
| 23      | O   | OP SEG 2   | 75      | I   | IP SPINS 1 | 127     | —   | VDD         | 179     | I   | IP CID 1   |
| 24      | O   | OP SEG 3   | 76      | I   | IP SPINS 2 | 128     | I/O | BP MDQ 15   | 180     | I   | IP CID 0   |
| 25      | O   | OP ADERR   | 77      | I   | IP SPINS 3 | 129     | I/O | BP MDQ 14   | 181     | O   | OP MCMON 2 |
| 26      | —   | GND        | 78      | I   | IP SPINS 4 | 130     | —   | GND         | 182     | O   | OP MCMON 1 |
| 27      | —   | VDD        | 79      | —   | VDD        | 131     | —   | VDD         | 183     | —   | VDD        |
| 28      | O   | OP ADPO 0  | 80      | I   | IP SPINS 5 | 132     | I/O | BP MDQ 13   | 184     | O   | OP MCMON 0 |
| 29      | O   | OP ADPO 1  | 81      | I   | IP SPINS 6 | 133     | I/O | BP MDQ 12   | 185     | I   | XTST       |
| 30      | O   | OP ADPO 2  | 82      | I   | IP SPINS 7 | 134     | I/O | BP MDQ 11   | 186     | I   | XSM        |
| 31      | O   | OP ADPO 3  | 83      | I   | CLK CKSPS  | 135     | I/O | BP MDQ 10   | 187     | —   | GND        |
| 32      | O   | OP ADPO 4  | 84      | I   | IP SPSTOS  | 136     | I/O | BP MDQ 9    | 188     | I   | CLK CK46   |
| 33      | O   | OP ADPO 5  | 85      | —   | GND        | 137     | I/O | BP MDQ 8    | 189     | —   | GND        |
| 34      | —   | VDD        | 86      | —   | VDD        | 138     | —   | VDD         | 190     | —   | VDD        |
| 35      | O   | OP ADPO 6  | 87      | I   | CLK CKEEMY | 139     | I   | IP MREF     | 191     | I   | CLK CKT46  |
| 36      | O   | OP ADPO 7  | 88      | I   | CLK CKEEMX | 140     | I/O | BP MDQ 7    | 192     | O   | VDD1 ADD1  |
| 37      | O   | OP ADPSTO  | 89      | I   | IP EERFSY  | 141     | I/O | BP MDQ 6    | 193     | I   | IP SELCK   |
| 38      | —   | GND        | 90      | I   | IP EERFSX  | 142     | —   | GND         | 194     | I   | MST        |
| 39      | I   | IP SYCS    | 91      | —   | GND        | 143     | I/O | BP MDQ 5    | 195     | I   | SMCK       |
| 40      | I   | CLK CKSY   | 92      | I   | IP EERFMY  | 144     | I/O | BP MDQ 4    | 196     | O   | OP VDOUT 7 |
| 41      | I   | IP SYSTA 0 | 93      | I   | IP EERFMX  | 145     | I/O | BP MDQ 3    | 197     | O   | OP VDOUT 6 |
| 42      | I   | IP SYSTA 1 | 94      | I   | CLK CKPBSY | 146     | I/O | BP MDQ 2    | 198     | O   | OP VDOUT 5 |
| 43      | —   | VDD        | 95      | I   | CLK CKPBSX | 147     | —   | VDD         | 199     | O   | OP VDOUT 4 |
| 44      | I/O | BP SYIO 0  | 96      | —   | GND        | 148     | —   | GND         | 200     | —   | GND        |
| 45      | I/O | BP SYIO 1  | 97      | —   | VDD        | 149     | I/O | BP MDQ 1    | 201     | —   | VDD        |
| 46      | I/O | BP SYIO 2  | 98      | I   | IP PBRFSY  | 150     | I/O | BP MDQ 0    | 202     | O   | OP VDOUT 3 |
| 47      | I/O | BP SYIO 3  | 99      | I   | IP PBRFSX  | 151     | O   | OP MDQM     | 203     | O   | OP VDOUT 2 |
| 48      | I/O | BP SYIO 4  | 100     | I   | CLK CKPBMX | 152     | O   | OP MWE      | 204     | O   | OP VDOUT 1 |
| 49      | I/O | BP SYIO 5  | 101     | I   | CLK CKPBMX | 153     | O   | CLK CKM46   | 205     | O   | OP VDOUT 0 |
| 50      | —   | GND        | 102     | I   | IP PBRFMY  | 154     | —   | GND         | 206     | O   | OP VEOUT   |
| 51      | I/O | BP SYIO 6  | 103     | I   | IP PBRFMX  | 155     | O   | OP MCAS     | 207     | O   | OP VSTO    |
| 52      | I/O | BP SYIO 7  | 104     | —   | VDD        | 156     | O   | OP MCKE     | 208     | O   | OP VFRAME  |