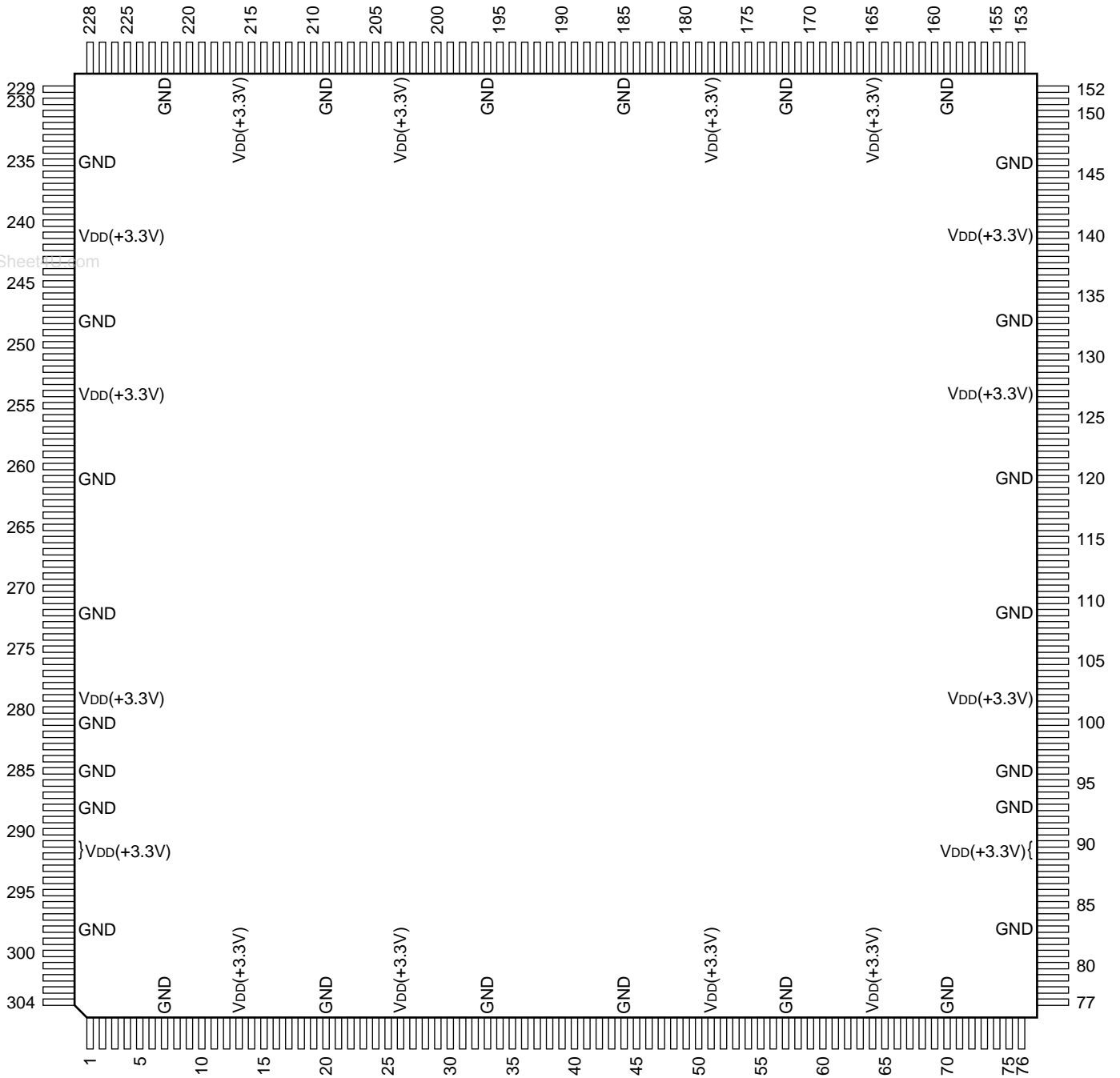


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# C-MOS INNER ERROR CORRECTION DECODER

- TOP VIEW -



| PIN No. | I/O | SIGNAL          | PIN No. | I/O | SIGNAL          | PIN No. | I/O | SIGNAL          | PIN No. | I/O | SIGNAL          | PIN No. | I/O | SIGNAL          |
|---------|-----|-----------------|---------|-----|-----------------|---------|-----|-----------------|---------|-----|-----------------|---------|-----|-----------------|
| 1       | I   | ADVDB4          | 62      | I   | REC             | 123     | I/O | MEMA1D1         | 184     | O   | VADATA4         | 245     | O   | MB2AD2          |
| 2       | I   | CNFDB0          | 63      | O   | DHBDSW          | 124     | I/O | MEMA1D2         | 185     | -   | GND             | 246     | O   | MB2AD1          |
| 3       | I   | CNVDB1          | 64      | -   | V <sub>DD</sub> | 125     | I/O | MEMA1D3         | 186     | O   | VADATA5         | 247     | O   | MB2AD0          |
| 4       | I   | CNFDB2          | 65      | I   | ADVDA0          | 126     | I/O | MEMA1D4         | 187     | O   | VADATA6         | 248     | -   | GND             |
| 5       | I   | CNFDB3          | 66      | I   | ADVDA1          | 127     | -   | V <sub>DD</sub> | 188     | O   | VADATA7         | 249     | I   | WECN2           |
| 6       | I   | CNFDB4          | 67      | I   | ADVDA2          | 128     | I/O | MEMA1D5         | 189     | O   | VADATA8         | 250     | O   | MBWE            |
| 7       | -   | GND             | 68      | I   | ADVDA3          | 129     | I/O | MEMA1D6         | 190     | O   | F5              | 251     | I/O | MEMB1D7         |
| 8       | I   | RECDB0          | 69      | I   | ADVDA4          | 130     | I/O | MEMA1D7         | 191     | O   | AUAXS           | 252     | I/O | MEMB1D6         |
| 9       | I   | RECDB1          | 70      | -   | GND             | 131     | O   | MAWE            | 192     | O   | AUCH            | 253     | I/O | MEMB1D5         |
| 10      | I   | RECDB2          | 71      | I   | CNFDA0          | 132     | I   | WECN1           | 193     | O   | AUSYNC          | 254     | -   | V <sub>DD</sub> |
| 11      | I   | RECDB3          | 72      | I   | CNFDA1          | 133     | -   | GND             | 194     | O   | AUST            | 255     | I/O | MEMB1D4         |
| 12      | I   | RECDB4          | 73      | I   | CNFDA2          | 134     | O   | MA2AD0          | 195     | O   | VAPRITY         | 256     | I/O | MEMB1D3         |
| 13      | -   | V <sub>DD</sub> | 74      | I   | CNFDA3          | 135     | O   | MA2AD1          | 196     | -   | GND             | 257     | I/O | MEMB1D2         |
| 14      | O   | FS5F0           | 75      | I   | CNFDA4          | 136     | O   | MA2AD2          | 197     | I/O | MAXB            | 258     | I/O | MEMB1D1         |
| 15      | O   | FS5F1           | 76      | I   | RECDA0          | 137     | O   | MA2AD3          | 198     | I/O | STLBD0          | 259     | I/O | MEMB1D0         |
| 16      | O   | FS5F2           | 77      | I   | RECDA1          | 138     | O   | MA2AD4          | 199     | I/O | STLBD1          | 260     | O   | MB1AD16         |
| 17      | O   | FSPRTY          | 78      | I   | RECDA2          | 139     | O   | MA2AD5          | 200     | I/O | STLBD2          | 261     | -   | GND             |
| 18      | O   | RST             | 79      | I   | RECDA3          | 140     | -   | V <sub>DD</sub> | 201     | I/O | STLBD3          | 262     | O   | MB1AD15         |
| 19      | I/O | SYSIO0          | 80      | I   | RECDA4          | 141     | O   | MA2AD6          | 202     | I/O | STLBD4          | 263     | O   | MB1AD14         |
| 20      | -   | GND             | 81      | I   | ADVSWA          | 142     | O   | MA2AD7          | 203     | -   | V <sub>DD</sub> | 264     | O   | MB1AD13         |
| 21      | I/O | SYSIO1          | 82      | I   | ADVCKA          | 143     | O   | MA2AD8          | 204     | I/O | STLBD5          | 265     | O   | MB1AD12         |
| 22      | I/O | SYSIO2          | 83      | -   | GND             | 144     | O   | MA2AD9          | 205     | I/O | STLBD6          | 266     | O   | MB1AD11         |
| 23      | I/O | SYSIO3          | 84      | I   | CNFCKA          | 145     | O   | MA2AD10         | 206     | I/O | STLBD7          | 267     | O   | MB1AD10         |
| 24      | I/O | SYSIO4          | 85      | I   | TGTP1           | 146     | -   | GND             | 207     | I/O | STLBD8          | 268     | O   | MB1AD9          |
| 25      | I/O | SYSIO5          | 86      | I   | TGTP2           | 147     | O   | MA2AD11         | 208     | I/O | MAXA            | 269     | O   | MB1AD8          |
| 26      | -   | V <sub>DD</sub> | 87      | I   | TGTP3           | 148     | O   | MA2AD12         | 209     | -   | GND             | 270     | O   | MB1AD7          |
| 27      | I/O | SYSIO6          | 88      | I   | CNFSWA          | 149     | O   | MA2AD13         | 210     | I/O | STLAD0          | 271     | O   | MB1AD6          |
| 28      | I/O | SYSIO7          | 89      | -   | V <sub>DD</sub> | 150     | O   | MA2AD14         | 211     | I/O | STLAD1          | 272     | -   | GND             |
| 29      | I   | GCTL0           | 90      | -   | V <sub>DD</sub> | 151     | O   | MA2AD15         | 212     | I/O | STLAD2          | 273     | O   | MB1AD5          |
| 30      | I   | GCTL1           | 91      | I   | XMM             | 152     | O   | MA2AD16         | 213     | I/O | STLAD3          | 274     | O   | MB1AD4          |
| 31      | I   | GCTL2           | 92      | I   | MCK             | 153     | I/O | MEMA2D0         | 214     | I/O | STLAD4          | 275     | O   | MB1AD3          |
| 32      | I   | GCTL3           | 93      | -   | GND             | 154     | I/O | MEMA2D1         | 215     | I/O | STLAD5          | 276     | O   | MB1AD2          |
| 33      | -   | GND             | 94      | I   | RECSWA          | 155     | I/O | MEMA2D2         | 216     | -   | V <sub>DD</sub> | 277     | O   | MB1AD1          |
| 34      | I   | GCTL4           | 95      | I   | RECCKA          | 156     | I/O | MEMA2D3         | 217     | I/O | STLAD6          | 278     | O   | MB1AD0          |
| 35      | I   | GCTL5           | 96      | -   | GND             | 157     | I/O | MEMA2D4         | 218     | I/O | STLAD7          | 279     | -   | V <sub>DD</sub> |
| 36      | I   | STRB            | 97      | O   | WST1            | 158     | I/O | MEMA2D5         | 219     | I/O | STLAD8          | 280     | O   | MWR2            |
| 37      | I   | SCS             | 98      | I   | REFV            | 159     | -   | GND             | 220     | I/O | MEMB2D7         | 281     | -   | GND             |
| 38      | I   | STAT0           | 99      | I   | REFVP           | 160     | I/O | MEMA2D6         | 221     | I/O | MEMB2D6         | 282     | I   | CHSL            |
| 39      | I   | STAT1           | 100     | I   | SYTEST          | 161     | I/O | MEMA2D7         | 222     | -   | GND             | 283     | I   | STTP            |
| 40      | I   | CHIPID0         | 101     | O   | MWR1            | 162     | I/O | DREFIO          | 223     | I/O | MEMB2D5         | 284     | O   | WST2            |
| 41      | I   | CHIPID1         | 102     | -   | V <sub>DD</sub> | 163     | I/O | WRIO            | 224     | I/O | MEMB2D4         | 285     | -   | GND             |
| 42      | I   | GTEST           | 103     | O   | MA1AD0          | 164     | O   | VPRITY          | 225     | I/O | MEMB2D3         | 286     | I   | RECCKB          |
| 43      | I   | RST3            | 104     | O   | MA1AD1          | 165     | -   | V <sub>DD</sub> | 226     | I/O | MEMB2D2         | 287     | I   | RECSWB          |
| 44      | -   | GND             | 105     | O   | MA1AD2          | 166     | O   | VBLK            | 227     | I/O | MEMB2D1         | 288     | -   | GND             |
| 45      | O   | REVO            | 106     | O   | MA1AD3          | 167     | O   | VSYNC           | 228     | I/O | MEMB2D0         | 289     | I   | PCK             |
| 46      | O   | JUMPO           | 107     | O   | MA1AD4          | 168     | O   | VVST            | 229     | O   | MB2AD16         | 290     | I   | MS              |
| 47      | O   | SHTLO           | 108     | O   | MA1AD5          | 169     | O   | VDATA0          | 230     | O   | MB2AD15         | 291     | -   | V <sub>DD</sub> |
| 48      | O   | SEG0            | 109     | -   | GND             | 170     | O   | VDATA1          | 231     | O   | MB2AD14         | 292     | -   | V <sub>DD</sub> |
| 49      | O   | SEG1            | 110     | O   | MA1AD6          | 171     | O   | VDATA2          | 232     | O   | MB2AD13         | 293     | I   | CNFSWB          |
| 50      | O   | F0              | 111     | O   | MA1AD7          | 172     | -   | GND             | 233     | O   | MB2AD12         | 294     | I   | REV             |
| 51      | -   | V <sub>DD</sub> | 112     | O   | MA1AD8          | 173     | O   | VDATA3          | 234     | O   | MB2AD11         | 295     | I   | JUMP            |
| 52      | O   | TRREF           | 113     | O   | MA1AD9          | 174     | O   | VDATA4          | 235     | -   | GND             | 296     | I   | PULLTST         |
| 53      | O   | NOSIGO          | 114     | O   | MA1AD10         | 175     | O   | VDATA5          | 236     | O   | MB2AD10         | 297     | I   | CNFCKB          |
| 54      | O   | ACSY            | 115     | O   | MA1AD11         | 176     | O   | VDATA6          | 237     | O   | MB2AD9          | 298     | -   | GND             |
| 55      | O   | BDSY            | 116     | O   | MA1AD12         | 177     | O   | VDATA7          | 238     | O   | MB2AD8          | 299     | I   | ADVCKB          |
| 56      | I   | RST1            | 117     | O   | MA1AD13         | 178     | -   | V <sub>DD</sub> | 239     | O   | MB2AD7          | 300     | I   | ADVSWB          |
| 57      | -   | GND             | 118     | O   | MA1AD14         | 179     | O   | VDATA8          | 240     | O   | MB2AD6          | 301     | I   | ADVDB0          |
| 58      | I   | RST2            | 119     | O   | MA1AD15         | 180     | O   | VADATA0         | 241     | -   | V <sub>DD</sub> | 302     | I   | ADVDB1          |
| 59      | O   | ACEF            | 120     | -   | GND             | 181     | O   | VADATA1         | 242     | O   | MB2AD5          | 303     | I   | ADVDB2          |
| 60      | O   | BDEF            | 121     | O   | MA1AD16         | 182     | O   | VADATA2         | 243     | O   | MB2AD4          | 304     | I   | ADVDB3          |
| 61      | O   | MON             | 122     | I/O | MEMA1D0         | 183     | O   | VADATA3         | 244     | O   | MB2AD3          |         |     |                 |

## INPUT

ADVCKA, ADVCKB ; ADVANCE A/C, B/D CH CLOCK  
 ADVDA0–ADVDA4, ADVDB0–ADVDB4 ; ADVANCE A/C, B/D CH DATA  
 ADVSWA, ADVSWB ; ADVANCE A/C, B/D CH HEAD SWITCHING  
 CHIPID0, CHIPID1 ; SYSTEM CONTROL INTERFACE CHIP ID  
 CHSL ; 1–4CH/5–8CH SELECT  
 CNFCKA, CNFCKB ; CONFIDENCE A/C, B/D CH CLOCK  
 CNFDA0–CNFDA4, CNFDB0–CNFDB4 ; CONFIDENCE A/C, B/D CH DATA  
 CNFSWA, CNFSWB ; CONFIDENCE A/C, B/D CH HEAD SWITCHING  
 GCTL0–GCTL5, GTEST, PULLTST ; TEST PIN  
 JUMP ; DT JUMP  
 MCK ; 13.5 MHz CLOCK  
 MS ; SHUTTLE INTERFACE CONTROL  
 PCK ; 13.5 MHz PROGRAM PLAY CLOCK  
 REC ; RECORD MODE  
 RECCKA, RECCKB ; RECORD A/C, B/D CH CLOCK  
 RECDA0–RECDA4, RECDB0–RECDB4 ; RECORD A/C, B/D CH DATA  
 RECSWA, RECSWB ; RECORD A/C, B/D CH HEAD SWITCHING SIGNAL  
 REJV ; REFERENCE VD  
 REJVP ; PROGRAM PLAY REFERENCE VD  
 REV ; REVERSE MODE INPUT  
 RST1, RST2, RST3 ; IC RESET 1.2.3  
 SCS ; SYSTEM CONTROL INTERFACE CHIP SELECT  
 STAT0, STAT1 ; SYSTEM CONTROL INTERFACE STATES  
 STRB ; SYSTEM CONTROL INTERFACE STROBE  
 STTP, SYTEST, TGTP1–TGTP3, XMM ; TEST PIN  
 WECN1, WECN2 ; A/C, B/D CH FIELD MEMORY DATA ENABLE

## OUTPUT

ACEF, BDEF ; A/C, B/D CH ERROR FLAG  
 ACSY, BDSY ; A/C, B/D CH SYNC  
 AUAXS ; AUDIO AUXILIARY DATA SYNC PULSE  
 AUCH ; AUDIO CHANNEL PULSE  
 AUST ; AUDIO FIELD START PULSE  
 AUSYNC ; AUDIO SYNC PULSE  
 DHBDSW ; TEST PIN  
 F0 ; FIELD ID  
 F5 ; 526/60 AUDIO 0 FIELD PULSE  
 FS5F0–FS5F2 ; AUDIO 5 FIELD SEQUENCE  
 FSPRTY ; AUDIO 5 FIELD SEQUENCE PARITY  
 JUMPO ; DT JUMP STATES  
 MA1AD0–MA1AD16, MB1AD0–MB1AD16 ; A/C, B/D CH FIELD MEMORY 1 ADDRESS  
 MA2AD0–MA2AD16, MB2AD0–MB2AD16 ; A/C, B/D CH FIELD MEMORY 2 ADDRESS  
 MAWE, MBWE ; A/C, B/D CH FIELD MEMORY WRITE ENABLE  
 MON ; TEST PIN  
 MWR1, MWR2 ; A/C, B/D CH FIELD MEMORY WRITE/READ CONTROL  
 NOSIGO ; NO SIGNAL STATES  
 REVO ; REVERSE STATES  
 SEG0, SEG1 ; SEGMENT NUMBER  
 SHTLO ; SHUTTLE STATES  
 TRREF ; TRACK SYNC PULSE  
 VADATA0–VADATA8 ; AUDIO DATA AND B/D CH VIDEO DATA  
 VAPRITY ; AUDIO VIDEO DATA PARITY  
 VBLK ; VIDEO ECC BLOCK PULSE  
 VDATA0–VDATA8 ; A/C CH VIDEO DATA  
 VPRITY ; VIDEO DATA PARITY  
 VSYNC ; VIDEO SYNC PULSE  
 VVST ; VIDEO FIELD START PULSE  
 WST1, WST2 ; TEST PIN

INPUT/OUTPUT

DREFIO

MAXA, MAXB

MEMA1D0–MEMA1D7, MEMB1D0–MEMB1D7

MEMA2D0–MEMA2D7, MEMB2D0–MEMB2D7

STLAD0–STLAD8, STLBD0–STLBD8

SYSIO0–SYSIO7

WRIO

; REFERENCE VD SYNCHRONOUS INTERFACE

; A/C, B/D CH SHUTTLE OLD FLAG INTERFACE

; A/C, B/D CH FIELD MEMORY 1 DATA

; A/C, B/D CH FIELD MEMORY 2 DATA

; A/C, B/D CH SHUTTLE DATA INTERFACE

; SYSTEM CONTROL INTERFACE DATA

; WRITE/READ CONTROL SYNCHRONOUS INTERFACE