

```

MODULE BLK8 ;
TYPE GENERAL;
DIMENSIONS 486.75 0 486.75 574 0 574 0 0;
IOLIST ;
/* signalname termtype x y width layer */
clk1 I 123.5 0 2 METAL2 ;
clk1 I 123.5 574 2 METAL2 ;
corvl8<0> I 486.75 53 2 METAL2 ;
corvl8<1> I 486.75 122 2 METAL2 ;
corvl8<2> I 486.75 191 2 METAL2 ;
corvl8<3> I 486.75 261 2 METAL2 ;
corvl8<4> I 486.75 337 2 METAL2 ;
corvl8<5> I 486.75 407 2 METAL2 ;
corvl8<6> I 486.75 470 2 METAL2 ;
corvl8<7> I 486.75 545 2 METAL2 ;
data<0> I 0 71 2 METAL2 ;
data<1> I 0 140 2 METAL2 ;
data<2> I 0 209 2 METAL2 ;
data<3> I 0 279 2 METAL2 ;
data<4> I 0 355 2 METAL2 ;
data<5> I 0 425 2 METAL2 ;
data<6> I 486.75 482 2 METAL2 ;
data<6> I 0 494 2 METAL2 ;
data<7> I 0 563 2 METAL2 ;
frmend 0 374 0 2 METAL2 ;
frmend 0 217.75 574 2 METAL2 ;
livrow<0> 0 486.75 65 2 METAL2 ;
livrow<1> 0 486.75 134 2 METAL2 ;
livrow<2> 0 486.75 203 2 METAL2 ;
livrow<3> 0 486.75 273 2 METAL2 ;
livrow<4> 0 486.75 349 2 METAL2 ;
livrow<5> 0 486.75 419 2 METAL2 ;
livrow<6> 0 486.75 488 2 METAL2 ;
livrow<7> 0 486.75 557 2 METAL2 ;
mstclr I 61.75 0 2 METAL2 ;
mstclr I 61.75 574 2 METAL2 ;
rowadr<0> I 0 29 2 METAL2 ;
rowadr<1> I 0 98 2 METAL2 ;
rowadr<2> I 0 167 2 METAL2 ;
rowadr<3> I 0 237 2 METAL2 ;
rowadr<4> I 0 313 2 METAL2 ;
rowadr<5> I 0 383 2 METAL2 ;
rowadr<6> I 0 452 2 METAL2 ;
rowadr<7> I 0 521 2 METAL2 ;
s2 I 55.75 0 2 METAL2 ;
s2 I 55.75 574 2 METAL2 ;
sel0 I 418 0 2 METAL2 ;
sel0 I 418 574 2 METAL2 ;
sel1 I 470 0 2 METAL2 ;
sel1 I 470 574 2 METAL2 ;
veradr<0> I 486.75 59 2 METAL2 ;
veradr<0> I 0 23 2 METAL2 ;
veradr<1> I 486.75 128 2 METAL2 ;
veradr<1> I 0 92 2 METAL2 ;
veradr<2> I 486.75 197 2 METAL2 ;
veradr<2> I 0 161 2 METAL2 ;
veradr<3> I 486.75 267 2 METAL2 ;
veradr<3> I 0 231 2 METAL2 ;
veradr<4> I 486.75 343 2 METAL2 ;
veradr<4> I 0 307 2 METAL2 ;
veradr<5> I 486.75 413 2 METAL2 ;
veradr<5> I 0 377 2 METAL2 ;
veradr<6> I 486.75 476 2 METAL2 ;
veradr<6> I 0 446 2 METAL2 ;
veradr<7> I 486.75 551 2 METAL2 ;
veradr<7> I 0 515 2 METAL2 ;
Vdd0 PWR 12.75 574 3 METAL1 ;
Vdd0 PWR 12.75 0 3 METAL1 ;
Vdd1 PWR 81.25 574 3 METAL1 ;

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Vdd1 PWR 81.25 0 3 METAL1 ;
Vdd2 PWR 129 574 3 METAL1 ;
Vdd2 PWR 129 0 3 METAL1 ;
Vdd3 PWR 240.25 574 3 METAL1 ;
Vdd3 PWR 240.25 0 3 METAL1 ;
Vdd4 PWR 341.5 574 3 METAL1 ;
Vdd4 PWR 341.5 0 3 METAL1 ;
Vdd5 PWR 403 574 3 METAL1 ;
Vdd5 PWR 403 0 3 METAL1 ;
Vdd6 PWR 455 574 3 METAL1 ;
Vdd6 PWR 455 0 3 METAL1 ;
GND0 PWR 36.75 574 3 METAL1 ;
GND0 PWR 36.75 0 3 METAL1 ;
GND1 PWR 106.75 574 3 METAL1 ;
GND1 PWR 106.75 0 3 METAL1 ;
GND2 PWR 164.5 574 3 METAL1 ;
GND2 PWR 164.5 0 3 METAL1 ;
GND3 PWR 202.75 574 3 METAL1 ;
GND3 PWR 202.75 0 3 METAL1 ;
GND4 PWR 304 574 3 METAL1 ;
GND4 PWR 304 0 3 METAL1 ;
GND5 PWR 430 574 3 METAL1 ;
GND5 PWR 430 0 3 METAL1 ;
GND6 PWR 482 574 3 METAL1 ;
GND6 PWR 482 0 3 METAL1 ;
ptTerm8 F 486.5 40 2 METAL2;
ptTerm9 F 486.5 45 2 METAL2;
ptTerm21 F 486.5 105 2 METAL2;
ptTerm22 F 486.5 110 2 METAL2;
ptTerm23 F 486.5 115 2 METAL2;
ptTerm35 F 486.5 175 2 METAL2;
ptTerm36 F 486.5 180 2 METAL2;
ptTerm49 F 486.5 245 2 METAL2;
ptTerm50 F 486.5 250 2 METAL2;
ptTerm64 F 486.5 320 2 METAL2;
ptTerm65 F 486.5 325 2 METAL2;
ptTerm66 F 486.5 330 2 METAL2;
ptTerm78 F 486.5 390 2 METAL2;
ptTerm79 F 486.5 395 2 METAL2;
ptTerm80 F 486.5 400 2 METAL2;
ptTerm92 F 486.5 460 2 METAL2;
ptTerm106 F 486.5 530 2 METAL2;
ptTerm107 F 486.5 535 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm65 F 0 325 2 METAL2;
ptTerm66 F 0 330 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ptTerm79 F 0 395 2 METAL2;
ptTerm80 F 0 400 2 METAL2;
ptTerm92 F 0 460 2 METAL2;
ptTerm106 F 0 530 2 METAL2;
ptTerm107 F 0 535 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK9 ;
TYPE GENERAL;
DIMENSIONS 205.25 0 205.25 418 0 418 0 0;
IOLIST ;
/* signalname termtype x y width layer */
Clk I 66.5 0 2 METAL2 ;

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Clk I 66.5 418 2 METAL2 ;
Clr I 60.5 0 2 METAL2 ;
Clr I 60.5 418 2 METAL2 ;
Q<0> 0 205.25 68.5 2 METAL2 ;
Q<1> 0 205.25 136 2 METAL2 ;
Q<2> 0 205.25 203.5 2 METAL2 ;
Q<3> 0 205.25 271 2 METAL2 ;
Q<4> 0 205.25 338.5 2 METAL2 ;
Q<5> 0 205.25 406 2 METAL2 ;
Vdd0 PWR 41 418 3 METAL1 ;
Vdd0 PWR 41 0 3 METAL1 ;
Vdd1 PWR 109.5 418 3 METAL1 ;
Vdd1 PWR 109.5 0 3 METAL1 ;
Vdd2 PWR 147 418 3 METAL1 ;
Vdd2 PWR 147 0 3 METAL1 ;
GND0 PWR 15.5 418 3 METAL1 ;
GND0 PWR 15.5 0 3 METAL1 ;
GND1 PWR 85.5 418 3 METAL1 ;
GND1 PWR 85.5 0 3 METAL1 ;
GND2 PWR 179 418 3 METAL1 ;
GND2 PWR 179 0 3 METAL1 ;
ptTerm1 F 205.25 20 2 METAL2;
ptTerm5 F 205.25 25 2 METAL2;
ptTerm6 F 205.25 30 2 METAL2;
ptTerm7 F 205.25 35 2 METAL2;
ptTerm8 F 205.25 40 2 METAL2;
ptTerm9 F 205.25 45 2 METAL2;
ptTerm10 F 205.25 50 2 METAL2;
ptTerm11 F 205.25 55 2 METAL2;
ptTerm18 F 205.25 90 2 METAL2;
ptTerm19 F 205.25 95 2 METAL2;
ptTerm20 F 205.25 100 2 METAL2;
ptTerm21 F 205.25 105 2 METAL2;
ptTerm22 F 205.25 110 2 METAL2;
ptTerm23 F 205.25 115 2 METAL2;
ptTerm24 F 205.25 120 2 METAL2;
ptTerm32 F 205.25 160 2 METAL2;
ptTerm33 F 205.25 165 2 METAL2;
ptTerm34 F 205.25 170 2 METAL2;
ptTerm35 F 205.25 175 2 METAL2;
ptTerm36 F 205.25 180 2 METAL2;
ptTerm37 F 205.25 185 2 METAL2;
ptTerm38 F 205.25 190 2 METAL2;
ptTerm45 F 205.25 225 2 METAL2;
ptTerm46 F 205.25 230 2 METAL2;
ptTerm47 F 205.25 235 2 METAL2;
ptTerm48 F 205.25 240 2 METAL2;
ptTerm49 F 205.25 245 2 METAL2;
ptTerm50 F 205.25 250 2 METAL2;
ptTerm51 F 205.25 255 2 METAL2;
ptTerm59 F 205.25 295 2 METAL2;
ptTerm60 F 205.25 300 2 METAL2;
ptTerm61 F 205.25 305 2 METAL2;
ptTerm62 F 205.25 310 2 METAL2;
ptTerm63 F 205.25 315 2 METAL2;
ptTerm64 F 205.25 320 2 METAL2;
ptTerm65 F 205.25 325 2 METAL2;
ptTerm72 F 205.25 360 2 METAL2;
ptTerm73 F 205.25 365 2 METAL2;
ptTerm74 F 205.25 370 2 METAL2;
ptTerm75 F 205.25 375 2 METAL2;
ptTerm76 F 205.25 380 2 METAL2;
ptTerm77 F 205.25 385 2 METAL2;
ptTerm78 F 205.25 390 2 METAL2;
ptTerm1 F 0 5 2 METAL2;
ptTerm5 F 0 25 2 METAL2;
ptTerm6 F 0 30 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;

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ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm11 F 0 55 2 METAL2;
ptTerm18 F 0 90 2 METAL2;
ptTerm19 F 0 95 2 METAL2;
ptTerm20 F 0 100 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm24 F 0 120 2 METAL2;
ptTerm32 F 0 160 2 METAL2;
ptTerm33 F 0 165 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm38 F 0 190 2 METAL2;
ptTerm45 F 0 225 2 METAL2;
ptTerm46 F 0 230 2 METAL2;
ptTerm47 F 0 235 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm51 F 0 255 2 METAL2;
ptTerm59 F 0 295 2 METAL2;
ptTerm60 F 0 300 2 METAL2;
ptTerm61 F 0 305 2 METAL2;
ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm65 F 0 325 2 METAL2;
ptTerm72 F 0 360 2 METAL2;
ptTerm73 F 0 365 2 METAL2;
ptTerm74 F 0 370 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK10 ;
TYPE GENERAL;
DIMENSIONS 432.75 0 432.75 565 0 565 0 0;
IOLIST ;
/* signalname termtype x y width layer */
clk1 I 309.25 0 2 METAL2 ;
clk1 I 309.25 565 2 METAL2 ;
data<0> I 0 59 2 METAL2 ;
data<1> I 0 128 2 METAL2 ;
data<2> I 0 197 2 METAL2 ;
data<3> I 0 266 2 METAL2 ;
data<4> I 0 335 2 METAL2 ;
data<5> I 0 404 2 METAL2 ;
data<6> I 432.75 473 2 METAL2 ;
data<6> I 0 473 2 METAL2 ;
data<7> I 432.75 542 2 METAL2 ;
data<7> I 0 542 2 METAL2 ;
maxclk I 114 0 2 METAL2 ;
maxclk I 114 565 2 METAL2 ;
maxclr I 108 0 2 METAL2 ;
maxclr I 108 565 2 METAL2 ;
mstclr I 371 0 2 METAL2 ;
mstclr I 371 565 2 METAL2 ;
rowadr<0> I 0 35 2 METAL2 ;
rowadr<1> I 0 104 2 METAL2 ;
rowadr<2> I 0 173 2 METAL2 ;
rowadr<3> I 0 242 2 METAL2 ;
rowadr<4> I 0 311 2 METAL2 ;
rowadr<5> I 0 380 2 METAL2 ;

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rowadr<6> I 0 449 2 METAL2 ;
rowadr<7> I 0 518 2 METAL2 ;
rowdy<0> 0 432.75 53 2 METAL2 ;
rowdy<1> 0 432.75 122 2 METAL2 ;
rowdy<2> 0 432.75 191 2 METAL2 ;
rowdy<3> 0 432.75 260 2 METAL2 ;
rowdy<4> 0 432.75 329 2 METAL2 ;
rowdy<5> 0 432.75 398 2 METAL2 ;
rowdy<6> 0 432.75 467 2 METAL2 ;
rowdy<7> 0 432.75 536 2 METAL2 ;
s1 I 377 0 2 METAL2 ;
s1 I 377 565 2 METAL2 ;
sel0 I 22.75 0 2 METAL2 ;
sel0 I 22.75 565 2 METAL2 ;
tmpend 0 261.25 0 2 METAL2 ;
tmpend 0 206.25 565 2 METAL2 ;
veradr<0> I 0 29 2 METAL2 ;
veradr<1> I 0 98 2 METAL2 ;
veradr<2> I 0 167 2 METAL2 ;
veradr<3> I 0 236 2 METAL2 ;
veradr<4> I 0 305 2 METAL2 ;
veradr<5> I 0 374 2 METAL2 ;
veradr<6> I 0 443 2 METAL2 ;
veradr<7> I 0 512 2 METAL2 ;
Vdd0 PWR 37.75 565 3 METAL1 ;
Vdd0 PWR 37.75 0 3 METAL1 ;
Vdd1 PWR 88.5 565 3 METAL1 ;
Vdd1 PWR 88.5 0 3 METAL1 ;
Vdd2 PWR 157 565 3 METAL1 ;
Vdd2 PWR 157 0 3 METAL1 ;
Vdd3 PWR 228.75 565 3 METAL1 ;
Vdd3 PWR 228.75 0 3 METAL1 ;
Vdd4 PWR 303.75 565 3 METAL1 ;
Vdd4 PWR 303.75 0 3 METAL1 ;
Vdd5 PWR 351.5 565 3 METAL1 ;
Vdd5 PWR 351.5 0 3 METAL1 ;
Vdd6 PWR 420 565 3 METAL1 ;
Vdd6 PWR 420 0 3 METAL1 ;
GND0 PWR 10.75 565 3 METAL1 ;
GND0 PWR 10.75 0 3 METAL1 ;
GND1 PWR 63 565 3 METAL1 ;
GND1 PWR 63 0 3 METAL1 ;
GND2 PWR 133 565 3 METAL1 ;
GND2 PWR 133 0 3 METAL1 ;
GND3 PWR 191.25 565 3 METAL1 ;
GND3 PWR 191.25 0 3 METAL1 ;
GND4 PWR 268.25 565 3 METAL1 ;
GND4 PWR 268.25 0 3 METAL1 ;
GND5 PWR 326 565 3 METAL1 ;
GND5 PWR 326 0 3 METAL1 ;
GND6 PWR 396 565 3 METAL1 ;
GND6 PWR 396 0 3 METAL1 ;
ptTerm9 F 432.25 45 2 METAL2;
ptTerm23 F 432.25 115 2 METAL2;
ptTerm36 F 432.25 180 2 METAL2;
ptTerm50 F 432.25 250 2 METAL2;
ptTerm64 F 432.25 320 2 METAL2;
ptTerm78 F 432.25 390 2 METAL2;
ptTerm92 F 432.25 460 2 METAL2;
ptTerm105 F 432.25 525 2 METAL2;
ptTerm9 F 0.25 45 2 METAL2;
ptTerm23 F 0.25 115 2 METAL2;
ptTerm36 F 0.25 180 2 METAL2;
ptTerm50 F 0.25 250 2 METAL2;
ptTerm64 F 0.25 320 2 METAL2;
ptTerm78 F 0.25 390 2 METAL2;
ptTerm92 F 0.25 460 2 METAL2;
ptTerm105 F 0.25 525 2 METAL2;
ENDIOLIST ;

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ENDMODULE ;
MODULE BLK11 ;
TYPE GENERAL;
DIMENSIONS 212.75 0 212.75 553 0 553 0 0;
IOLIST ;
/* signalname termttype x y width layer */
Clk I 68 0 2 METAL2 ;
Clk I 68 553 2 METAL2 ;
Clr I 62 0 2 METAL2 ;
Clr I 62 553 2 METAL2 ;
Q<0> 0 212.75 62.5 2 METAL2 ;
Q<0> 0 0 74.5 2 METAL2 ;
Q<1> 0 212.75 130 2 METAL2 ;
Q<1> 0 0 142 2 METAL2 ;
Q<2> 0 212.75 197.5 2 METAL2 ;
Q<2> 0 0 209.5 2 METAL2 ;
Q<3> 0 212.75 265 2 METAL2 ;
Q<3> 0 0 277 2 METAL2 ;
Q<4> 0 212.75 332.5 2 METAL2 ;
Q<4> 0 0 344.5 2 METAL2 ;
Q<5> 0 212.75 400 2 METAL2 ;
Q<5> 0 0 412 2 METAL2 ;
Q<6> 0 212.75 467.5 2 METAL2 ;
Q<6> 0 0 479.5 2 METAL2 ;
Q<7> 0 212.75 535 2 METAL2 ;
Q<7> 0 0 547 2 METAL2 ;
Qbar<0> 0 212.75 20.5 2 METAL2 ;
Qbar<0> 0 0 68.5 2 METAL2 ;
Vdd0 PWR 42.5 553 3 METAL1 ;
Vdd0 PWR 42.5 0 3 METAL1 ;
Vdd1 PWR 111 553 3 METAL1 ;
Vdd1 PWR 111 0 3 METAL1 ;
Vdd2 PWR 154.5 553 3 METAL1 ;
Vdd2 PWR 154.5 0 3 METAL1 ;
GND0 PWR 17 553 3 METAL1 ;
GND0 PWR 17 0 3 METAL1 ;
GND1 PWR 87 553 3 METAL1 ;
GND1 PWR 87 0 3 METAL1 ;
GND2 PWR 186.5 553 3 METAL1 ;
GND2 PWR 186.5 0 3 METAL1 ;
ptTerm6 F 212.5 30 2 METAL2;
ptTerm7 F 212.5 35 2 METAL2;
ptTerm8 F 212.5 40 2 METAL2;
ptTerm9 F 212.5 45 2 METAL2;
ptTerm10 F 212.5 50 2 METAL2;
ptTerm11 F 212.5 55 2 METAL2;
ptTerm18 F 212.5 90 2 METAL2;
ptTerm19 F 212.5 95 2 METAL2;
ptTerm20 F 212.5 100 2 METAL2;
ptTerm21 F 212.5 105 2 METAL2;
ptTerm22 F 212.5 110 2 METAL2;
ptTerm23 F 212.5 115 2 METAL2;
ptTerm24 F 212.5 120 2 METAL2;
ptTerm32 F 212.5 160 2 METAL2;
ptTerm33 F 212.5 165 2 METAL2;
ptTerm34 F 212.5 170 2 METAL2;
ptTerm35 F 212.5 175 2 METAL2;
ptTerm36 F 212.5 180 2 METAL2;
ptTerm37 F 212.5 185 2 METAL2;
ptTerm38 F 212.5 190 2 METAL2;
ptTerm45 F 212.5 225 2 METAL2;
ptTerm46 F 212.5 230 2 METAL2;
ptTerm47 F 212.5 235 2 METAL2;
ptTerm48 F 212.5 240 2 METAL2;
ptTerm49 F 212.5 245 2 METAL2;
ptTerm50 F 212.5 250 2 METAL2;
ptTerm51 F 212.5 255 2 METAL2;
ptTerm59 F 212.5 295 2 METAL2;
ptTerm60 F 212.5 300 2 METAL2;
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ptTerm61 F 212.5 305 2 METAL2;
ptTerm62 F 212.5 310 2 METAL2;
ptTerm63 F 212.5 315 2 METAL2;
ptTerm64 F 212.5 320 2 METAL2;
ptTerm65 F 212.5 325 2 METAL2;
ptTerm72 F 212.5 360 2 METAL2;
ptTerm73 F 212.5 365 2 METAL2;
ptTerm74 F 212.5 370 2 METAL2;
ptTerm75 F 212.5 375 2 METAL2;
ptTerm76 F 212.5 380 2 METAL2;
ptTerm77 F 212.5 385 2 METAL2;
ptTerm78 F 212.5 390 2 METAL2;
ptTerm86 F 212.5 430 2 METAL2;
ptTerm87 F 212.5 435 2 METAL2;
ptTerm88 F 212.5 440 2 METAL2;
ptTerm89 F 212.5 445 2 METAL2;
ptTerm90 F 212.5 450 2 METAL2;
ptTerm91 F 212.5 455 2 METAL2;
ptTerm92 F 212.5 460 2 METAL2;
ptTerm99 F 212.5 495 2 METAL2;
ptTerm100 F 212.5 500 2 METAL2;
ptTerm101 F 212.5 505 2 METAL2;
ptTerm102 F 212.5 510 2 METAL2;
ptTerm103 F 212.5 515 2 METAL2;
ptTerm104 F 212.5 520 2 METAL2;
ptTerm105 F 212.5 525 2 METAL2;
ptTerm6 F 0 30 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm11 F 0 55 2 METAL2;
ptTerm18 F 0 90 2 METAL2;
ptTerm19 F 0 95 2 METAL2;
ptTerm20 F 0 100 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm24 F 0 120 2 METAL2;
ptTerm32 F 0 160 2 METAL2;
ptTerm33 F 0 165 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm38 F 0 190 2 METAL2;
ptTerm45 F 0 225 2 METAL2;
ptTerm46 F 0 230 2 METAL2;
ptTerm47 F 0 235 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm51 F 0 255 2 METAL2;
ptTerm59 F 0 295 2 METAL2;
ptTerm60 F 0 300 2 METAL2;
ptTerm61 F 0 305 2 METAL2;
ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm65 F 0 325 2 METAL2;
ptTerm72 F 0 360 2 METAL2;
ptTerm73 F 0 365 2 METAL2;
ptTerm74 F 0 370 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ptTerm86 F 0 430 2 METAL2;
ptTerm87 F 0 435 2 METAL2;

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ptTerm88 F 0 440 2 METAL2;
ptTerm89 F 0 445 2 METAL2;
ptTerm90 F 0 450 2 METAL2;
ptTerm91 F 0 455 2 METAL2;
ptTerm92 F 0 460 2 METAL2;
ptTerm99 F 0 495 2 METAL2;
ptTerm100 F 0 500 2 METAL2;
ptTerm101 F 0 505 2 METAL2;
ptTerm102 F 0 510 2 METAL2;
ptTerm103 F 0 515 2 METAL2;
ptTerm104 F 0 520 2 METAL2;
ptTerm105 F 0 525 2 METAL2;

ENDIOLIST ;
ENDMODULE ;
MODULE BLK14 ;
TYPE GENERAL;
DIMENSIONS 1253.5 0 1253.5 1290.75 0 1290.75 0 0;
IOLIST ;
/* signalname termtype x y width layer */
A<0> I 141.75 0 2 METAL2 ;
A<1> I 121.25 0 2 METAL2 ;
A<2> I 100.75 0 2 METAL2 ;
A<3> I 80.25 0 2 METAL2 ;
A<4> I 59.75 0 2 METAL2 ;
A<5> I 23.75 0 2 METAL2 ;
A<6> I 18.75 0 2 METAL2 ;
Din<0> I 274.75 0 2 METAL2 ;
Din<1> I 360.75 0 2 METAL2 ;
Din<10> I 1134.75 0 2 METAL2 ;
Din<11> I 1220.75 0 2 METAL2 ;
Din<2> I 446.75 0 2 METAL2 ;
Din<3> I 532.75 0 2 METAL2 ;
Din<4> I 618.75 0 2 METAL2 ;
Din<5> I 704.75 0 2 METAL2 ;
Din<6> I 790.75 0 2 METAL2 ;
Din<7> I 876.75 0 2 METAL2 ;
Din<8> I 962.75 0 2 METAL2 ;
Din<9> I 1048.75 0 2 METAL2 ;
Dout<0> 0 283.25 0 4 METAL2 ;
Dout<1> 0 369.25 0 4 METAL2 ;
Dout<10> 0 1143.25 0 4 METAL2 ;
Dout<11> 0 1229.25 0 4 METAL2 ;
Dout<2> 0 455.25 0 4 METAL2 ;
Dout<3> 0 541.25 0 4 METAL2 ;
Dout<4> 0 627.25 0 4 METAL2 ;
Dout<5> 0 713.25 0 4 METAL2 ;
Dout<6> 0 799.25 0 4 METAL2 ;
Dout<7> 0 885.25 0 4 METAL2 ;
Dout<8> 0 971.25 0 4 METAL2 ;
Dout<9> 0 1057.25 0 4 METAL2 ;
r I 13.75 0 4 METAL2 ;
Vdd PWR 1248.5 0 10 METAL1 ;
Vdd PWR 1248.5 1290.75 10 METAL1 ;
GND PWR 5 0 10 METAL1 ;
GND PWR 5 1290.75 10 METAL1 ;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK15 ;
TYPE GENERAL;
DIMENSIONS 163.75 0 163.75 543.5 0 543.5 0 0;
IOLIST ;
/* signalname termtype x y width layer */
coladr<0> I 163.75 23 2 METAL2 ;
coladr<0> I 0 65 2 METAL2 ;
coladr<1> I 0 132.5 2 METAL2 ;
coladr<2> I 0 200 2 METAL2 ;
coladr<3> I 0 267.5 2 METAL2 ;
coladr<4> I 0 335 2 METAL2 ;

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coladr<5> I 0 402.5 2 METAL2 ;
coladr<6> I 0 470 2 METAL2 ;
coladr<7> I 0 537.5 2 METAL2 ;
coldx<0> 0 163.75 59 2 METAL2 ;
coldx<1> 0 163.75 126.5 2 METAL2 ;
coldx<2> 0 163.75 194 2 METAL2 ;
coldx<3> 0 163.75 261.5 2 METAL2 ;
coldx<4> 0 163.75 329 2 METAL2 ;
coldx<5> 0 163.75 396.5 2 METAL2 ;
coldx<6> 0 163.75 464 2 METAL2 ;
coldx<7> 0 163.75 531.5 2 METAL2 ;
maxclk I 55.75 0 2 METAL2 ;
maxclk I 55.75 543.5 2 METAL2 ;
maxclr I 61.75 0 2 METAL2 ;
maxclr I 61.75 543.5 2 METAL2 ;
sel0 I 147 0 2 METAL2 ;
sel0 I 147 543.5 2 METAL2 ;
Vdd0 PWR 12.75 543.5 3 METAL1 ;
Vdd0 PWR 12.75 0 3 METAL1 ;
Vdd1 PWR 81.25 543.5 3 METAL1 ;
Vdd1 PWR 81.25 0 3 METAL1 ;
Vdd2 PWR 132 543.5 3 METAL1 ;
Vdd2 PWR 132 0 3 METAL1 ;
GND0 PWR 36.75 543.5 3 METAL1 ;
GND0 PWR 36.75 0 3 METAL1 ;
GND1 PWR 106.75 543.5 3 METAL1 ;
GND1 PWR 106.75 0 3 METAL1 ;
GND2 PWR 159 543.5 3 METAL1 ;
GND2 PWR 159 0 3 METAL1 ;
ptTerm3 F 163.75 5 2 METAL2;
ptTerm6 F 163.75 30 2 METAL2;
ptTerm7 F 163.75 35 2 METAL2;
ptTerm8 F 163.75 40 2 METAL2;
ptTerm9 F 163.75 45 2 METAL2;
ptTerm10 F 163.75 50 2 METAL2;
ptTerm19 F 163.75 95 2 METAL2;
ptTerm20 F 163.75 100 2 METAL2;
ptTerm21 F 163.75 105 2 METAL2;
ptTerm22 F 163.75 110 2 METAL2;
ptTerm23 F 163.75 115 2 METAL2;
ptTerm24 F 163.75 120 2 METAL2;
ptTerm32 F 163.75 160 2 METAL2;
ptTerm33 F 163.75 165 2 METAL2;
ptTerm34 F 163.75 170 2 METAL2;
ptTerm35 F 163.75 175 2 METAL2;
ptTerm36 F 163.75 180 2 METAL2;
ptTerm37 F 163.75 185 2 METAL2;
ptTerm46 F 163.75 230 2 METAL2;
ptTerm47 F 163.75 235 2 METAL2;
ptTerm48 F 163.75 240 2 METAL2;
ptTerm49 F 163.75 245 2 METAL2;
ptTerm50 F 163.75 250 2 METAL2;
ptTerm51 F 163.75 255 2 METAL2;
ptTerm59 F 163.75 295 2 METAL2;
ptTerm60 F 163.75 300 2 METAL2;
ptTerm61 F 163.75 305 2 METAL2;
ptTerm62 F 163.75 310 2 METAL2;
ptTerm63 F 163.75 315 2 METAL2;
ptTerm64 F 163.75 320 2 METAL2;
ptTerm73 F 163.75 365 2 METAL2;
ptTerm74 F 163.75 370 2 METAL2;
ptTerm75 F 163.75 375 2 METAL2;
ptTerm76 F 163.75 380 2 METAL2;
ptTerm77 F 163.75 385 2 METAL2;
ptTerm78 F 163.75 390 2 METAL2;
ptTerm86 F 163.75 430 2 METAL2;
ptTerm87 F 163.75 435 2 METAL2;
ptTerm88 F 163.75 440 2 METAL2;
ptTerm89 F 163.75 445 2 METAL2;
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ptTerm90 F 163.75 450 2 METAL2;
ptTerm91 F 163.75 455 2 METAL2;
ptTerm100 F 163.75 500 2 METAL2;
ptTerm101 F 163.75 505 2 METAL2;
ptTerm102 F 163.75 510 2 METAL2;
ptTerm103 F 163.75 515 2 METAL2;
ptTerm104 F 163.75 520 2 METAL2;
ptTerm105 F 163.75 525 2 METAL2;
ptTerm3 F 0 15 2 METAL2;
ptTerm6 F 0 30 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm19 F 0 95 2 METAL2;
ptTerm20 F 0 100 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm24 F 0 120 2 METAL2;
ptTerm32 F 0 160 2 METAL2;
ptTerm33 F 0 165 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm46 F 0 230 2 METAL2;
ptTerm47 F 0 235 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm51 F 0 255 2 METAL2;
ptTerm59 F 0 295 2 METAL2;
ptTerm60 F 0 300 2 METAL2;
ptTerm61 F 0 305 2 METAL2;
ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm73 F 0 365 2 METAL2;
ptTerm74 F 0 370 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ptTerm86 F 0 430 2 METAL2;
ptTerm87 F 0 435 2 METAL2;
ptTerm88 F 0 440 2 METAL2;
ptTerm89 F 0 445 2 METAL2;
ptTerm90 F 0 450 2 METAL2;
ptTerm91 F 0 455 2 METAL2;
ptTerm100 F 0 500 2 METAL2;
ptTerm101 F 0 505 2 METAL2;
ptTerm102 F 0 510 2 METAL2;
ptTerm103 F 0 515 2 METAL2;
ptTerm104 F 0 520 2 METAL2;
ptTerm105 F 0 525 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK16 ;
TYPE GENERAL;
DIMENSIONS 208 0 208 828.5 0 828.5 0 0;
IOLIST ;
/* signalname termtype x y width layer */
clk2 I 68 0 2 METAL2 ;
clk2 I 68 828.5 2 METAL2 ;
cor1d<0> I 208 17 2 METAL2 ;
cor1d<1> I 208 84.5 2 METAL2 ;
cor1d<2> I 208 152 2 METAL2 ;
cor1d<3> I 208 219.5 2 METAL2 ;

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cor1d<4> I 208 287 2 METAL2 ;
cor1d<5> I 208 354.5 2 METAL2 ;
cor1d<6> I 208 452 2 METAL2 ;
cor1d<6> I 0 452 2 METAL2 ;
edge I 62 0 2 METAL2 ;
edge I 62 828.5 2 METAL2 ;
ramdat<0> I 208 6 2 METAL2 ;
ramdat<0> I 0 17 2 METAL2 ;
ramdat<1> I 208 73.5 2 METAL2 ;
ramdat<1> I 0 84.5 2 METAL2 ;
ramdat<10> I 208 688.5 2 METAL2 ;
ramdat<10> I 0 699.5 2 METAL2 ;
ramdat<11> I 208 758.5 2 METAL2 ;
ramdat<11> I 0 769.5 2 METAL2 ;
ramdat<2> I 208 141 2 METAL2 ;
ramdat<2> I 0 152 2 METAL2 ;
ramdat<3> I 208 208.5 2 METAL2 ;
ramdat<3> I 0 219.5 2 METAL2 ;
ramdat<4> I 208 276 2 METAL2 ;
ramdat<4> I 0 287 2 METAL2 ;
ramdat<5> I 208 343.5 2 METAL2 ;
ramdat<5> I 0 354.5 2 METAL2 ;
ramdat<6> I 208 411 2 METAL2 ;
ramdat<6> I 0 422 2 METAL2 ;
ramdat<7> I 208 478.5 2 METAL2 ;
ramdat<7> I 0 489.5 2 METAL2 ;
ramdat<8> I 208 548.5 2 METAL2 ;
ramdat<8> I 0 559.5 2 METAL2 ;
ramdat<9> I 208 618.5 2 METAL2 ;
ramdat<9> I 0 629.5 2 METAL2 ;
ramin<0> 0 208 53 2 METAL2 ;
ramin<0> 0 0 65 2 METAL2 ;
ramin<1> 0 208 120.5 2 METAL2 ;
ramin<1> 0 0 132.5 2 METAL2 ;
ramin<10> 0 208 735.5 2 METAL2 ;
ramin<10> 0 0 747.5 2 METAL2 ;
ramin<11> 0 208 805.5 2 METAL2 ;
ramin<11> 0 0 817.5 2 METAL2 ;
ramin<2> 0 208 188 2 METAL2 ;
ramin<2> 0 0 200 2 METAL2 ;
ramin<3> 0 208 255.5 2 METAL2 ;
ramin<3> 0 0 267.5 2 METAL2 ;
ramin<4> 0 208 323 2 METAL2 ;
ramin<4> 0 0 335 2 METAL2 ;
ramin<5> 0 208 390.5 2 METAL2 ;
ramin<5> 0 0 402.5 2 METAL2 ;
ramin<6> 0 208 458 2 METAL2 ;
ramin<6> 0 0 470 2 METAL2 ;
ramin<7> 0 208 525.5 2 METAL2 ;
ramin<7> 0 0 537.5 2 METAL2 ;
ramin<8> 0 208 595.5 2 METAL2 ;
ramin<8> 0 0 607.5 2 METAL2 ;
ramin<9> 0 208 665.5 2 METAL2 ;
ramin<9> 0 0 677.5 2 METAL2 ;
Vdd0 PWR 42.5 828.5 3 METAL1 ;
Vdd0 PWR 42.5 0 3 METAL1 ;
Vdd1 PWR 111 828.5 3 METAL1 ;
Vdd1 PWR 111 0 3 METAL1 ;
Vdd2 PWR 147.5 828.5 3 METAL1 ;
Vdd2 PWR 147.5 0 3 METAL1 ;
GND0 PWR 17 828.5 3 METAL1 ;
GND0 PWR 17 0 3 METAL1 ;
GND1 PWR 87 828.5 3 METAL1 ;
GND1 PWR 87 0 3 METAL1 ;
GND2 PWR 185 828.5 3 METAL1 ;
GND2 PWR 185 0 3 METAL1 ;
ptTerm5 F 208 25 2 METAL2;
ptTerm6 F 208 30 2 METAL2;
ptTerm7 F 208 35 2 METAL2;

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ptTerm8 F 208 40 2 METAL2;
ptTerm9 F 208 45 2 METAL2;
ptTerm19 F 208 95 2 METAL2;
ptTerm20 F 208 100 2 METAL2;
ptTerm21 F 208 105 2 METAL2;
ptTerm22 F 208 110 2 METAL2;
ptTerm32 F 208 160 2 METAL2;
ptTerm33 F 208 165 2 METAL2;
ptTerm34 F 208 170 2 METAL2;
ptTerm35 F 208 175 2 METAL2;
ptTerm36 F 208 180 2 METAL2;
ptTerm46 F 208 230 2 METAL2;
ptTerm47 F 208 235 2 METAL2;
ptTerm48 F 208 240 2 METAL2;
ptTerm49 F 208 245 2 METAL2;
ptTerm59 F 208 295 2 METAL2;
ptTerm60 F 208 300 2 METAL2;
ptTerm61 F 208 305 2 METAL2;
ptTerm62 F 208 310 2 METAL2;
ptTerm63 F 208 315 2 METAL2;
ptTerm73 F 208 365 2 METAL2;
ptTerm74 F 208 370 2 METAL2;
ptTerm75 F 208 375 2 METAL2;
ptTerm76 F 208 380 2 METAL2;
ptTerm86 F 208 430 2 METAL2;
ptTerm87 F 208 435 2 METAL2;
ptTerm88 F 208 440 2 METAL2;
ptTerm89 F 208 445 2 METAL2;
ptTerm100 F 208 500 2 METAL2;
ptTerm101 F 208 505 2 METAL2;
ptTerm102 F 208 510 2 METAL2;
ptTerm103 F 208 515 2 METAL2;
ptTerm114 F 208 570 2 METAL2;
ptTerm115 F 208 575 2 METAL2;
ptTerm116 F 208 580 2 METAL2;
ptTerm117 F 208 585 2 METAL2;
ptTerm128 F 208 640 2 METAL2;
ptTerm129 F 208 645 2 METAL2;
ptTerm130 F 208 650 2 METAL2;
ptTerm131 F 208 655 2 METAL2;
ptTerm142 F 208 710 2 METAL2;
ptTerm143 F 208 715 2 METAL2;
ptTerm144 F 208 720 2 METAL2;
ptTerm145 F 208 725 2 METAL2;
ptTerm156 F 208 780 2 METAL2;
ptTerm157 F 208 785 2 METAL2;
ptTerm158 F 208 790 2 METAL2;
ptTerm159 F 208 795 2 METAL2;
ptTerm5 F 0 25 2 METAL2;
ptTerm6 F 0 30 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm19 F 0 95 2 METAL2;
ptTerm20 F 0 100 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm32 F 0 160 2 METAL2;
ptTerm33 F 0 165 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm46 F 0 230 2 METAL2;
ptTerm47 F 0 235 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm59 F 0 295 2 METAL2;
ptTerm60 F 0 300 2 METAL2;
ptTerm61 F 0 305 2 METAL2;

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ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm73 F 0 365 2 METAL2;
ptTerm74 F 0 370 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm86 F 0 430 2 METAL2;
ptTerm87 F 0 435 2 METAL2;
ptTerm88 F 0 440 2 METAL2;
ptTerm89 F 0 445 2 METAL2;
ptTerm100 F 0 500 2 METAL2;
ptTerm101 F 0 505 2 METAL2;
ptTerm102 F 0 510 2 METAL2;
ptTerm103 F 0 515 2 METAL2;
ptTerm114 F 0 570 2 METAL2;
ptTerm115 F 0 575 2 METAL2;
ptTerm116 F 0 580 2 METAL2;
ptTerm117 F 0 585 2 METAL2;
ptTerm128 F 0 640 2 METAL2;
ptTerm129 F 0 645 2 METAL2;
ptTerm130 F 0 650 2 METAL2;
ptTerm131 F 0 655 2 METAL2;
ptTerm142 F 0 710 2 METAL2;
ptTerm143 F 0 715 2 METAL2;
ptTerm144 F 0 720 2 METAL2;
ptTerm145 F 0 725 2 METAL2;
ptTerm156 F 0 780 2 METAL2;
ptTerm157 F 0 785 2 METAL2;
ptTerm158 F 0 790 2 METAL2;
ptTerm159 F 0 795 2 METAL2;

ENDIOLIST ;
ENDMODULE ;
MODULE BLK17 ;
TYPE GENERAL;
DIMENSIONS 181 0 181 171 0 171 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 79.25 0 4 METAL2 ;
in1 I 61.25 0 4 METAL2 ;
in2 I 49.25 0 4 METAL2 ;
in3 I 31.25 0 4 METAL2 ;
out0 O 181 47.75 4 METAL2 ;
out1 O 181 56.25 4 METAL2 ;
out2 O 181 68.25 4 METAL2 ;
out3 O 181 76.75 4 METAL2 ;
out4 O 181 88.75 4 METAL2 ;
out5 O 181 97.25 4 METAL2 ;
out6 O 181 109.25 4 METAL2 ;
out7 O 181 117.75 4 METAL2 ;
out8 O 181 129.75 4 METAL2 ;
Vdd PWR 5.25 171 3 METAL1 ;
Vdd PWR 5.25 0 3 METAL1 ;
GND PWR 177.75 171 3 METAL1 ;
GND PWR 177.75 0 3 METAL1 ;
ptTerm1 F 5 171 2 METAL2;
ptTerm2 F 10 171 2 METAL2;
ptTerm3 F 15 171 2 METAL2;
ptTerm4 F 20 171 2 METAL2;
ptTerm18 F 90 171 2 METAL2;
ptTerm19 F 95 171 2 METAL2;
ptTerm20 F 100 171 2 METAL2;
ptTerm21 F 105 171 2 METAL2;
ptTerm22 F 110 171 2 METAL2;
ptTerm23 F 115 171 2 METAL2;
ptTerm24 F 120 171 2 METAL2;
ptTerm25 F 125 171 2 METAL2;
ptTerm26 F 130 171 2 METAL2;
ptTerm27 F 135 171 2 METAL2;

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ptTerm28 F 140 171 2 METAL2;
ptTerm29 F 145 171 2 METAL2;
ptTerm30 F 150 171 2 METAL2;
ptTerm34 F 170 171 2 METAL2;
ptTerm1 F 5 0 2 METAL2;
ptTerm2 F 10 0 2 METAL2;
ptTerm3 F 15 0 2 METAL2;
ptTerm4 F 20 0 2 METAL2;
ptTerm18 F 90 0 2 METAL2;
ptTerm19 F 95 0 2 METAL2;
ptTerm20 F 100 0 2 METAL2;
ptTerm21 F 105 0 2 METAL2;
ptTerm22 F 110 0 2 METAL2;
ptTerm23 F 115 0 2 METAL2;
ptTerm24 F 120 0 2 METAL2;
ptTerm25 F 125 0 2 METAL2;
ptTerm26 F 130 0 2 METAL2;
ptTerm27 F 135 0 2 METAL2;
ptTerm28 F 140 0 2 METAL2;
ptTerm29 F 145 0 2 METAL2;
ptTerm30 F 150 0 2 METAL2;
ptTerm34 F 170 0 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK18 ;
TYPE GENERAL;
DIMENSIONS 317.5 0 317.5 842 0 842 0 0;
IOLIST ;
/* signalname termttype x y width layer */
clk1 I 308.25 0 2 METAL2 ;
clk1 I 308.25 842 2 METAL2 ;
colad0 I 24.75 0 2 METAL2 ;
colad0 I 24.75 842 2 METAL2 ;
corval<0> 0 317.5 65 2 METAL2 ;
corval<1> 0 317.5 134 2 METAL2 ;
corval<10> 0 317.5 755 2 METAL2 ;
corval<11> 0 317.5 824 2 METAL2 ;
corval<2> 0 317.5 203 2 METAL2 ;
corval<3> 0 317.5 272 2 METAL2 ;
corval<4> 0 317.5 341 2 METAL2 ;
corval<5> 0 317.5 410 2 METAL2 ;
corval<6> 0 317.5 479 2 METAL2 ;
corval<7> 0 317.5 548 2 METAL2 ;
corval<8> 0 317.5 617 2 METAL2 ;
corval<9> 0 317.5 686 2 METAL2 ;
evensm<0> I 0 20 2 METAL2 ;
evensm<1> I 0 89 2 METAL2 ;
evensm<10> I 0 710 2 METAL2 ;
evensm<11> I 0 779 2 METAL2 ;
evensm<2> I 0 158 2 METAL2 ;
evensm<3> I 0 227 2 METAL2 ;
evensm<4> I 0 296 2 METAL2 ;
evensm<5> I 0 365 2 METAL2 ;
evensm<6> I 0 434 2 METAL2 ;
evensm<7> I 0 503 2 METAL2 ;
evensm<8> I 0 572 2 METAL2 ;
evensm<9> I 0 641 2 METAL2 ;
maxout 0 139 0 2 METAL2 ;
maxout 0 84 842 2 METAL2 ;
maxsig I 191 0 2 METAL2 ;
maxsig I 191 842 2 METAL2 ;
oddsum<0> I 0 65 2 METAL2 ;
oddsum<1> I 0 134 2 METAL2 ;
oddsum<10> I 0 755 2 METAL2 ;
oddsum<11> I 0 824 2 METAL2 ;
oddsum<2> I 0 203 2 METAL2 ;
oddsum<3> I 0 272 2 METAL2 ;
oddsum<4> I 0 341 2 METAL2 ;
oddsum<5> I 0 410 2 METAL2 ;

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oddsun<6> I 0 479 2 METAL2 ;
oddsun<7> I 0 548 2 METAL2 ;
oddsun<8> I 0 617 2 METAL2 ;
oddsun<9> I 0 686 2 METAL2 ;
takeb I 197 0 2 METAL2 ;
takeb I 197 842 2 METAL2 ;
Vdd0 PWR 9.75 842 3 METAL1 ;
Vdd0 PWR 9.75 0 3 METAL1 ;
Vdd1 PWR 106.5 842 3 METAL1 ;
Vdd1 PWR 106.5 0 3 METAL1 ;
Vdd2 PWR 148 842 3 METAL1 ;
Vdd2 PWR 148 0 3 METAL1 ;
Vdd3 PWR 216.5 842 3 METAL1 ;
Vdd3 PWR 216.5 0 3 METAL1 ;
Vdd4 PWR 302.75 842 3 METAL1 ;
Vdd4 PWR 302.75 0 3 METAL1 ;
GND0 PWR 36.75 842 3 METAL1 ;
GND0 PWR 36.75 0 3 METAL1 ;
GND1 PWR 69 842 3 METAL1 ;
GND1 PWR 69 0 3 METAL1 ;
GND2 PWR 172 842 3 METAL1 ;
GND2 PWR 172 0 3 METAL1 ;
GND3 PWR 242 842 3 METAL1 ;
GND3 PWR 242 0 3 METAL1 ;
GND4 PWR 267.25 842 3 METAL1 ;
GND4 PWR 267.25 0 3 METAL1 ;
ptTerm6 F 316.75 30 2 METAL2;
ptTerm7 F 316.75 35 2 METAL2;
ptTerm8 F 316.75 40 2 METAL2;
ptTerm9 F 316.75 45 2 METAL2;
ptTerm10 F 316.75 50 2 METAL2;
ptTerm11 F 316.75 55 2 METAL2;
ptTerm20 F 316.75 100 2 METAL2;
ptTerm21 F 316.75 105 2 METAL2;
ptTerm22 F 316.75 110 2 METAL2;
ptTerm23 F 316.75 115 2 METAL2;
ptTerm24 F 316.75 120 2 METAL2;
ptTerm25 F 316.75 125 2 METAL2;
ptTerm34 F 316.75 170 2 METAL2;
ptTerm35 F 316.75 175 2 METAL2;
ptTerm36 F 316.75 180 2 METAL2;
ptTerm37 F 316.75 185 2 METAL2;
ptTerm38 F 316.75 190 2 METAL2;
ptTerm39 F 316.75 195 2 METAL2;
ptTerm48 F 316.75 240 2 METAL2;
ptTerm49 F 316.75 245 2 METAL2;
ptTerm50 F 316.75 250 2 METAL2;
ptTerm51 F 316.75 255 2 METAL2;
ptTerm52 F 316.75 260 2 METAL2;
ptTerm53 F 316.75 265 2 METAL2;
ptTerm62 F 316.75 310 2 METAL2;
ptTerm63 F 316.75 315 2 METAL2;
ptTerm64 F 316.75 320 2 METAL2;
ptTerm65 F 316.75 325 2 METAL2;
ptTerm66 F 316.75 330 2 METAL2;
ptTerm75 F 316.75 375 2 METAL2;
ptTerm76 F 316.75 380 2 METAL2;
ptTerm77 F 316.75 385 2 METAL2;
ptTerm78 F 316.75 390 2 METAL2;
ptTerm79 F 316.75 395 2 METAL2;
ptTerm80 F 316.75 400 2 METAL2;
ptTerm89 F 316.75 445 2 METAL2;
ptTerm90 F 316.75 450 2 METAL2;
ptTerm91 F 316.75 455 2 METAL2;
ptTerm92 F 316.75 460 2 METAL2;
ptTerm93 F 316.75 465 2 METAL2;
ptTerm94 F 316.75 470 2 METAL2;
ptTerm103 F 316.75 515 2 METAL2;
ptTerm104 F 316.75 520 2 METAL2;
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ptTerm105 F 316.75 525 2 METAL2;
ptTerm106 F 316.75 530 2 METAL2;
ptTerm107 F 316.75 535 2 METAL2;
ptTerm108 F 316.75 540 2 METAL2;
ptTerm117 F 316.75 585 2 METAL2;
ptTerm118 F 316.75 590 2 METAL2;
ptTerm119 F 316.75 595 2 METAL2;
ptTerm120 F 316.75 600 2 METAL2;
ptTerm121 F 316.75 605 2 METAL2;
ptTerm122 F 316.75 610 2 METAL2;
ptTerm131 F 316.75 655 2 METAL2;
ptTerm132 F 316.75 660 2 METAL2;
ptTerm133 F 316.75 665 2 METAL2;
ptTerm134 F 316.75 670 2 METAL2;
ptTerm135 F 316.75 675 2 METAL2;
ptTerm144 F 316.75 720 2 METAL2;
ptTerm145 F 316.75 725 2 METAL2;
ptTerm146 F 316.75 730 2 METAL2;
ptTerm147 F 316.75 735 2 METAL2;
ptTerm148 F 316.75 740 2 METAL2;
ptTerm149 F 316.75 745 2 METAL2;
ptTerm158 F 316.75 790 2 METAL2;
ptTerm159 F 316.75 795 2 METAL2;
ptTerm160 F 316.75 800 2 METAL2;
ptTerm161 F 316.75 805 2 METAL2;
ptTerm162 F 316.75 810 2 METAL2;
ptTerm163 F 316.75 815 2 METAL2;
ptTerm6 F 0 30 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm11 F 0 55 2 METAL2;
ptTerm20 F 0 100 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm24 F 0 120 2 METAL2;
ptTerm25 F 0 125 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm38 F 0 190 2 METAL2;
ptTerm39 F 0 195 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm51 F 0 255 2 METAL2;
ptTerm52 F 0 260 2 METAL2;
ptTerm53 F 0 265 2 METAL2;
ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm65 F 0 325 2 METAL2;
ptTerm66 F 0 330 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ptTerm79 F 0 395 2 METAL2;
ptTerm80 F 0 400 2 METAL2;
ptTerm89 F 0 445 2 METAL2;
ptTerm90 F 0 450 2 METAL2;
ptTerm91 F 0 455 2 METAL2;
ptTerm92 F 0 460 2 METAL2;
ptTerm93 F 0 465 2 METAL2;
ptTerm94 F 0 470 2 METAL2;
ptTerm103 F 0 515 2 METAL2;


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ptTerm104 F 0 520 2 METAL2;
ptTerm105 F 0 525 2 METAL2;
ptTerm106 F 0 530 2 METAL2;
ptTerm107 F 0 535 2 METAL2;
ptTerm108 F 0 540 2 METAL2;
ptTerm117 F 0 585 2 METAL2;
ptTerm118 F 0 590 2 METAL2;
ptTerm119 F 0 595 2 METAL2;
ptTerm120 F 0 600 2 METAL2;
ptTerm121 F 0 605 2 METAL2;
ptTerm122 F 0 610 2 METAL2;
ptTerm131 F 0 655 2 METAL2;
ptTerm132 F 0 660 2 METAL2;
ptTerm133 F 0 665 2 METAL2;
ptTerm134 F 0 670 2 METAL2;
ptTerm135 F 0 675 2 METAL2;
ptTerm144 F 0 720 2 METAL2;
ptTerm145 F 0 725 2 METAL2;
ptTerm146 F 0 730 2 METAL2;
ptTerm147 F 0 735 2 METAL2;
ptTerm148 F 0 740 2 METAL2;
ptTerm149 F 0 745 2 METAL2;
ptTerm158 F 0 790 2 METAL2;
ptTerm159 F 0 795 2 METAL2;
ptTerm160 F 0 800 2 METAL2;
ptTerm161 F 0 805 2 METAL2;
ptTerm162 F 0 810 2 METAL2;
ptTerm163 F 0 815 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK19 ;
TYPE GENERAL;
DIMENSIONS 437.75 0 437.75 427 0 427 0 0;
IOLIST ;
/* signalname termtype x y width layer */
clk1 I 320.25 0 2 METAL2 ;
clk1 I 320.25 427 2 METAL2 ;
data<0> I 437.75 71 2 METAL2 ;
data<1> I 437.75 140 2 METAL2 ;
data<2> I 437.75 209 2 METAL2 ;
data<3> I 437.75 278 2 METAL2 ;
data<4> I 437.75 347 2 METAL2 ;
data<5> I 437.75 416 2 METAL2 ;
eop 0 261.25 0 2 METAL2 ;
eop 0 211.25 427 2 METAL2 ;
maxclk I 101.75 0 2 METAL2 ;
maxclk I 101.75 427 2 METAL2 ;
maxclr I 107.75 0 2 METAL2 ;
maxclr I 107.75 427 2 METAL2 ;
mstclr I 382 0 2 METAL2 ;
mstclr I 382 427 2 METAL2 ;
s0 I 388 0 2 METAL2 ;
s0 I 388 427 2 METAL2 ;
sel0 I 16.75 0 2 METAL2 ;
sel0 I 16.75 427 2 METAL2 ;
tempdr<0> 0 0 65 2 METAL2 ;
tempdr<1> 0 0 134 2 METAL2 ;
tempdr<2> 0 0 203 2 METAL2 ;
tempdr<3> 0 0 272 2 METAL2 ;
tempdr<4> 0 0 341 2 METAL2 ;
tempdr<5> 0 0 410 2 METAL2 ;
tempno<0> I 437.75 23 2 METAL2 ;
tempno<1> I 437.75 92 2 METAL2 ;
tempno<2> I 437.75 161 2 METAL2 ;
tempno<3> I 437.75 230 2 METAL2 ;
tempno<4> I 437.75 299 2 METAL2 ;
tempno<5> I 437.75 368 2 METAL2 ;
Vdd0 PWR 31.75 427 3 METAL1 ;
Vdd0 PWR 31.75 0 3 METAL1 ;

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Vdd1 PWR 58.75 427 3 METAL1 ;
Vdd1 PWR 58.75 0 3 METAL1 ;
Vdd2 PWR 127.25 427 3 METAL1 ;
Vdd2 PWR 127.25 0 3 METAL1 ;
Vdd3 PWR 233.75 427 3 METAL1 ;
Vdd3 PWR 233.75 0 3 METAL1 ;
Vdd4 PWR 314.75 427 3 METAL1 ;
Vdd4 PWR 314.75 0 3 METAL1 ;
Vdd5 PWR 362.5 427 3 METAL1 ;
Vdd5 PWR 362.5 0 3 METAL1 ;
Vdd6 PWR 431 427 3 METAL1 ;
Vdd6 PWR 431 0 3 METAL1 ;
GND0 PWR 4.75 427 3 METAL1 ;
GND0 PWR 4.75 0 3 METAL1 ;
GND1 PWR 82.75 427 3 METAL1 ;
GND1 PWR 82.75 0 3 METAL1 ;
GND2 PWR 152.75 427 3 METAL1 ;
GND2 PWR 152.75 0 3 METAL1 ;
GND3 PWR 196.25 427 3 METAL1 ;
GND3 PWR 196.25 0 3 METAL1 ;
GND4 PWR 279.25 427 3 METAL1 ;
GND4 PWR 279.25 0 3 METAL1 ;
GND5 PWR 337 427 3 METAL1 ;
GND5 PWR 337 0 3 METAL1 ;
GND6 PWR 407 427 3 METAL1 ;
GND6 PWR 407 0 3 METAL1 ;
ptTerm8 F 437 40 2 METAL2;
ptTerm9 F 437 45 2 METAL2;
ptTerm10 F 437 50 2 METAL2;
ptTerm11 F 437 55 2 METAL2;
ptTerm21 F 437 105 2 METAL2;
ptTerm22 F 437 110 2 METAL2;
ptTerm23 F 437 115 2 METAL2;
ptTerm24 F 437 120 2 METAL2;
ptTerm25 F 437 125 2 METAL2;
ptTerm35 F 437 175 2 METAL2;
ptTerm36 F 437 180 2 METAL2;
ptTerm37 F 437 185 2 METAL2;
ptTerm38 F 437 190 2 METAL2;
ptTerm39 F 437 195 2 METAL2;
ptTerm49 F 437 245 2 METAL2;
ptTerm50 F 437 250 2 METAL2;
ptTerm51 F 437 255 2 METAL2;
ptTerm52 F 437 260 2 METAL2;
ptTerm53 F 437 265 2 METAL2;
ptTerm63 F 437 315 2 METAL2;
ptTerm64 F 437 320 2 METAL2;
ptTerm65 F 437 325 2 METAL2;
ptTerm66 F 437 330 2 METAL2;
ptTerm77 F 437 385 2 METAL2;
ptTerm78 F 437 390 2 METAL2;
ptTerm79 F 437 395 2 METAL2;
ptTerm80 F 437 400 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm11 F 0 55 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm24 F 0 120 2 METAL2;
ptTerm25 F 0 125 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm38 F 0 190 2 METAL2;
ptTerm39 F 0 195 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;

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ptTerm51 F 0 255 2 METAL2;
ptTerm52 F 0 260 2 METAL2;
ptTerm53 F 0 265 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm65 F 0 325 2 METAL2;
ptTerm66 F 0 330 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm78 F 0 390 2 METAL2;
ptTerm79 F 0 395 2 METAL2;
ptTerm80 F 0 400 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE BLK27 ;
TYPE GENERAL;
DIMENSIONS 1065 0 1065 560.5 0 560.5 0 0;
IOLIST ;
/* signalname termtype x y width layer */
data<0> I 0 76 2 METAL2 ;
data<1> I 0 143.5 2 METAL2 ;
data<2> I 0 211 2 METAL2 ;
data<3> I 0 278.5 2 METAL2 ;
data<4> I 0 346 2 METAL2 ;
data<5> I 0 413.5 2 METAL2 ;
data<6> I 1065 469 2 METAL2 ;
data<7> I 1065 536.5 2 METAL2 ;
head 0 977 0 2 METAL2 ;
head 0 977 560.5 2 METAL2 ;
linadr<0> I 1065 28 2 METAL2 ;
linadr<1> I 1065 95.5 2 METAL2 ;
linadr<2> I 1065 163 2 METAL2 ;
linadr<3> I 1065 230.5 2 METAL2 ;
linadr<4> I 1065 298 2 METAL2 ;
linadr<5> I 1065 365.5 2 METAL2 ;
linadr<6> I 1065 433 2 METAL2 ;
linadr<7> I 1065 500.5 2 METAL2 ;
linend 0 310.5 0 2 METAL2 ;
linend 0 255.5 560.5 2 METAL2 ;
mstclr I 61.75 0 2 METAL2 ;
mstclr I 61.75 560.5 2 METAL2 ;
open 0 644.25 0 2 METAL2 ;
open 0 589.25 560.5 2 METAL2 ;
resetl 0 739.5 0 2 METAL2 ;
resetl 0 684.5 560.5 2 METAL2 ;
s3 I 55.75 0 2 METAL2 ;
s3 I 55.75 560.5 2 METAL2 ;
s4 I 362.5 0 2 METAL2 ;
s4 I 362.5 560.5 2 METAL2 ;
s5 I 484.75 0 2 METAL2 ;
s5 I 484.75 560.5 2 METAL2 ;
s6 I 907.75 0 2 METAL2 ;
s6 I 907.75 560.5 2 METAL2 ;
s7 I 803.75 0 2 METAL2 ;
s7 I 803.75 560.5 2 METAL2 ;
tail 0 215.25 0 2 METAL2 ;
tail 0 160.25 560.5 2 METAL2 ;
Vdd0 PWR 12.75 560.5 3 METAL1 ;
Vdd0 PWR 12.75 0 3 METAL1 ;
Vdd1 PWR 81.25 560.5 3 METAL1 ;
Vdd1 PWR 81.25 0 3 METAL1 ;
Vdd10 PWR 778.25 560.5 3 METAL1 ;
Vdd10 PWR 778.25 0 3 METAL1 ;
Vdd11 PWR 846.75 560.5 3 METAL1 ;
Vdd11 PWR 846.75 0 3 METAL1 ;
Vdd12 PWR 864.75 560.5 3 METAL1 ;
Vdd12 PWR 864.75 0 3 METAL1 ;
Vdd13 PWR 933.25 560.5 3 METAL1 ;
Vdd13 PWR 933.25 0 3 METAL1 ;
Vdd14 PWR 1039.75 560.5 3 METAL1 ;

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Vdd14 PWR 1039.75 0 3 METAL1 ;
Vdd2 PWR 182.75 560.5 3 METAL1 ;
Vdd2 PWR 182.75 0 3 METAL1 ;
Vdd3 PWR 278 560.5 3 METAL1 ;
Vdd3 PWR 278 0 3 METAL1 ;
Vdd4 PWR 319.5 560.5 3 METAL1 ;
Vdd4 PWR 319.5 0 3 METAL1 ;
Vdd5 PWR 388 560.5 3 METAL1 ;
Vdd5 PWR 388 0 3 METAL1 ;
Vdd6 PWR 441.75 560.5 3 METAL1 ;
Vdd6 PWR 441.75 0 3 METAL1 ;
Vdd7 PWR 510.25 560.5 3 METAL1 ;
Vdd7 PWR 510.25 0 3 METAL1 ;
Vdd8 PWR 611.75 560.5 3 METAL1 ;
Vdd8 PWR 611.75 0 3 METAL1 ;
Vdd9 PWR 707 560.5 3 METAL1 ;
Vdd9 PWR 707 0 3 METAL1 ;
GND0 PWR 36.75 560.5 3 METAL1 ;
GND0 PWR 36.75 0 3 METAL1 ;
GND1 PWR 106.75 560.5 3 METAL1 ;
GND1 PWR 106.75 0 3 METAL1 ;
GND10 PWR 752.75 560.5 3 METAL1 ;
GND10 PWR 752.75 0 3 METAL1 ;
GND11 PWR 822.75 560.5 3 METAL1 ;
GND11 PWR 822.75 0 3 METAL1 ;
GND12 PWR 888.75 560.5 3 METAL1 ;
GND12 PWR 888.75 0 3 METAL1 ;
GND13 PWR 958.75 560.5 3 METAL1 ;
GND13 PWR 958.75 0 3 METAL1 ;
GND14 PWR 1002.25 560.5 3 METAL1 ;
GND14 PWR 1002.25 0 3 METAL1 ;
GND2 PWR 145.25 560.5 3 METAL1 ;
GND2 PWR 145.25 0 3 METAL1 ;
GND3 PWR 240.5 560.5 3 METAL1 ;
GND3 PWR 240.5 0 3 METAL1 ;
GND4 PWR 343.5 560.5 3 METAL1 ;
GND4 PWR 343.5 0 3 METAL1 ;
GND5 PWR 413.5 560.5 3 METAL1 ;
GND5 PWR 413.5 0 3 METAL1 ;
GND6 PWR 465.75 560.5 3 METAL1 ;
GND6 PWR 465.75 0 3 METAL1 ;
GND7 PWR 535.75 560.5 3 METAL1 ;
GND7 PWR 535.75 0 3 METAL1 ;
GND8 PWR 574.25 560.5 3 METAL1 ;
GND8 PWR 574.25 0 3 METAL1 ;
GND9 PWR 669.5 560.5 3 METAL1 ;
GND9 PWR 669.5 0 3 METAL1 ;
ptTerm7 F 1065 35 2 METAL2;
ptTerm8 F 1065 40 2 METAL2;
ptTerm9 F 1065 45 2 METAL2;
ptTerm10 F 1065 50 2 METAL2;
ptTerm21 F 1065 105 2 METAL2;
ptTerm22 F 1065 110 2 METAL2;
ptTerm23 F 1065 115 2 METAL2;
ptTerm34 F 1065 170 2 METAL2;
ptTerm35 F 1065 175 2 METAL2;
ptTerm36 F 1065 180 2 METAL2;
ptTerm37 F 1065 185 2 METAL2;
ptTerm48 F 1065 240 2 METAL2;
ptTerm49 F 1065 245 2 METAL2;
ptTerm50 F 1065 250 2 METAL2;
ptTerm61 F 1065 305 2 METAL2;
ptTerm62 F 1065 310 2 METAL2;
ptTerm63 F 1065 315 2 METAL2;
ptTerm64 F 1065 320 2 METAL2;
ptTerm75 F 1065 375 2 METAL2;
ptTerm76 F 1065 380 2 METAL2;
ptTerm77 F 1065 385 2 METAL2;
ptTerm88 F 1065 440 2 METAL2;
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ptTerm89 F 1065 445 2 METAL2;
ptTerm90 F 1065 450 2 METAL2;
ptTerm91 F 1065 455 2 METAL2;
ptTerm102 F 1065 510 2 METAL2;
ptTerm103 F 1065 515 2 METAL2;
ptTerm104 F 1065 520 2 METAL2;
ptTerm7 F 0 35 2 METAL2;
ptTerm8 F 0 40 2 METAL2;
ptTerm9 F 0 45 2 METAL2;
ptTerm10 F 0 50 2 METAL2;
ptTerm21 F 0 105 2 METAL2;
ptTerm22 F 0 110 2 METAL2;
ptTerm23 F 0 115 2 METAL2;
ptTerm34 F 0 170 2 METAL2;
ptTerm35 F 0 175 2 METAL2;
ptTerm36 F 0 180 2 METAL2;
ptTerm37 F 0 185 2 METAL2;
ptTerm48 F 0 240 2 METAL2;
ptTerm49 F 0 245 2 METAL2;
ptTerm50 F 0 250 2 METAL2;
ptTerm61 F 0 305 2 METAL2;
ptTerm62 F 0 310 2 METAL2;
ptTerm63 F 0 315 2 METAL2;
ptTerm64 F 0 320 2 METAL2;
ptTerm75 F 0 375 2 METAL2;
ptTerm76 F 0 380 2 METAL2;
ptTerm77 F 0 385 2 METAL2;
ptTerm88 F 0 440 2 METAL2;
ptTerm89 F 0 445 2 METAL2;
ptTerm90 F 0 450 2 METAL2;
ptTerm91 F 0 455 2 METAL2;
ptTerm102 F 0 510 2 METAL2;
ptTerm103 F 0 515 2 METAL2;
ptTerm104 F 0 520 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE STD0 ;
TYPE STANDARD ;
DIMENSIONS 41.5 0 41.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7.75 62 4 METAL2 ;
in0 I 7.75 0 4 METAL2 ;
in1 I 13.75 62 4 METAL2 ;
in1 I 13.75 0 4 METAL2 ;
in2 I 19.75 62 4 METAL2 ;
in2 I 19.75 0 4 METAL2 ;
out 0 36.25 62 4 METAL2 ;
out 0 36.25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 41.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 41.5 1.75 3 METAL1;
ptport0 F 25.75 0 2 METAL2;
ptport0 F 25.75 62 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE STD1 ;
TYPE STANDARD ;
DIMENSIONS 30.25 0 30.25 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 6.75 62 4 METAL2 ;
in0 I 6.75 0 4 METAL2 ;
in1 I 12.75 62 4 METAL2 ;
in1 I 12.75 0 4 METAL2 ;
in2 I 18.75 62 4 METAL2 ;
in2 I 18.75 0 4 METAL2 ;
out 0 25.25 62 4 METAL2 ;

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    out 0 25.25 0 4 METAL2 ;
    Vdd PWR 0 60.25 3 METAL1;
    Vdd PWR 30.25 60.25 3 METAL1;
    GND PWR 0 1.75 3 METAL1;
    GND PWR 30.25 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD2 ;
TYPE STANDARD ;
DIMENSIONS 24.5 0 24.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7 62 4 METAL2 ;
in0 I 7 0 4 METAL2 ;
in1 I 13 62 4 METAL2 ;
in1 I 13 0 4 METAL2 ;
out 0 19 62 4 METAL2 ;
out 0 19 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 24.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 24.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD3 ;
TYPE STANDARD ;
DIMENSIONS 46.5 0 46.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 6.75 62 4 METAL2 ;
in0 I 6.75 0 4 METAL2 ;
in1 I 12.75 62 4 METAL2 ;
in1 I 12.75 0 4 METAL2 ;
in2 I 18.75 62 4 METAL2 ;
in2 I 18.75 0 4 METAL2 ;
in3 I 24.75 62 4 METAL2 ;
in3 I 24.75 0 4 METAL2 ;
out 0 41.25 62 4 METAL2 ;
out 0 41.25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 46.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 46.5 1.75 3 METAL1;
ptport0 F 30.75 0 2 METAL2;
ptport0 F 30.75 62 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE STD4 ;
TYPE STANDARD ;
DIMENSIONS 40.5 0 40.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 6.75 62 4 METAL2 ;
in0 I 6.75 0 4 METAL2 ;
in1 I 12.75 62 4 METAL2 ;
in1 I 12.75 0 4 METAL2 ;
in2 I 18.75 62 4 METAL2 ;
in2 I 18.75 0 4 METAL2 ;
out 0 35.25 62 4 METAL2 ;
out 0 35.25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 40.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 40.5 1.75 3 METAL1;
ptport0 F 24.75 0 2 METAL2;
ptport0 F 24.75 62 2 METAL2;

ENDIOLIST ;
ENDMODULE ;

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MODULE STD5 ;
TYPE STANDARD ;
DIMENSIONS 36.5 0 36.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 15 62 4 METAL2 ;
in0 I 15 0 4 METAL2 ;
in1 I 21 62 4 METAL2 ;
in1 I 21 0 4 METAL2 ;
in2 I 27 62 4 METAL2 ;
in2 I 27 0 4 METAL2 ;
out 0 5.5 62 4 METAL2 ;
out 0 5.5 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 36.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 36.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD6 ;
TYPE STANDARD ;
DIMENSIONS 30.5 0 30.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7 62 4 METAL2 ;
in0 I 7 0 4 METAL2 ;
in1 I 13 62 4 METAL2 ;
in1 I 13 0 4 METAL2 ;
in2 I 19 62 4 METAL2 ;
in2 I 19 0 4 METAL2 ;
out 0 25 62 4 METAL2 ;
out 0 25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 30.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 30.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD7 ;
TYPE STANDARD ;
DIMENSIONS 31.25 0 31.25 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7.75 62 4 METAL2 ;
in0 I 7.75 0 4 METAL2 ;
in1 I 13.75 62 4 METAL2 ;
in1 I 13.75 0 4 METAL2 ;
in2 I 19.75 62 4 METAL2 ;
in2 I 19.75 0 4 METAL2 ;
out 0 26.25 62 4 METAL2 ;
out 0 26.25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 31.25 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 31.25 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD12 ;
TYPE STANDARD ;
DIMENSIONS 24 0 24 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in I 5.5 62 4 METAL2 ;
in I 5.5 0 4 METAL2 ;
out 0 18.5 62 4 METAL2 ;
out 0 18.5 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 24 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
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GND PWR 24 1.75 3 METAL1;
ptport0 F 11.5 0 2 METAL2;
ptport0 F 11.5 62 2 METAL2;

ENDIOLIST ;
ENDMODULE ;
MODULE STD13 ;
TYPE STANDARD ;
DIMENSIONS 39 0 39 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 4.75 62 4 METAL2 ;
in0 I 4.75 0 4 METAL2 ;
in1 I 15.75 62 4 METAL2 ;
in1 I 15.75 0 4 METAL2 ;
out 0 34.25 62 4 METAL2 ;
out 0 34.25 0 4 METAL2 ;
s0 I 24.25 62 4 METAL2 ;
s0 I 24.25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 39 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 39 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD20 ;
TYPE STANDARD ;
DIMENSIONS 30.25 0 30.25 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 15 62 4 METAL2 ;
in0 I 15 0 4 METAL2 ;
in1 I 21 62 4 METAL2 ;
in1 I 21 0 4 METAL2 ;
out 0 5.5 62 4 METAL2 ;
out 0 5.5 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 30.25 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 30.25 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD21 ;
TYPE STANDARD ;
DIMENSIONS 30.5 0 30.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7 62 4 METAL2 ;
in0 I 7 0 4 METAL2 ;
in1 I 13 62 4 METAL2 ;
in1 I 13 0 4 METAL2 ;
in2 I 19 62 4 METAL2 ;
in2 I 19 0 4 METAL2 ;
out 0 25 62 4 METAL2 ;
out 0 25 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 30.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 30.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD22 ;
TYPE STANDARD ;
DIMENSIONS 24.5 0 24.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 7 62 4 METAL2 ;
in0 I 7 0 4 METAL2 ;
in1 I 13 62 4 METAL2 ;

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in1 I 13 0 4 METAL2 ;
out 0 19 62 4 METAL2 ;
out 0 19 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 24.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 24.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;
MODULE STD23 ;
TYPE STANDARD ;
DIMENSIONS 97.75 0 97.75 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
Clk I 4.75 62 4 METAL2 ;
Clk I 4.75 0 4 METAL2 ;
Clr I 88 62 2 METAL2 ;
Clr I 88 0 2 METAL2 ;
D I 19.75 62 4 METAL2 ;
D I 19.75 0 4 METAL2 ;
Q 0 94 62 2 METAL2 ;
Q 0 94 0 2 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 97.75 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 97.75 1.75 3 METAL1;
ptport0 F 10.75 62 2 METAL2;
ptport1 F 25.75 62 2 METAL2;
ptport2 F 30.75 62 2 METAL2;
ptport3 F 35.75 62 2 METAL2;
ptport4 F 40.75 62 2 METAL2;
ptport5 F 45.75 62 2 METAL2;
ptport6 F 50.75 62 2 METAL2;
ptport7 F 55.75 62 2 METAL2;
ptport8 F 60.75 62 2 METAL2;
ptport9 F 65.75 62 2 METAL2;
ptport10 F 70.75 62 2 METAL2;
ptport11 F 75.75 62 2 METAL2;
ptport12 F 80.75 62 2 METAL2;
ptport0 F 10.75 0 2 METAL2;
ptport1 F 25.75 0 2 METAL2;
ptport2 F 30.75 0 2 METAL2;
ptport3 F 35.75 0 2 METAL2;
ptport4 F 40.75 0 2 METAL2;
ptport5 F 45.75 0 2 METAL2;
ptport6 F 50.75 0 2 METAL2;
ptport7 F 55.75 0 2 METAL2;
ptport8 F 60.75 0 2 METAL2;
ptport9 F 65.75 0 2 METAL2;
ptport10 F 70.75 0 2 METAL2;
ptport11 F 75.75 0 2 METAL2;
ptport12 F 80.75 0 2 METAL2;
ENDIOLIST ;
ENDMODULE ;
MODULE STD24 ;
TYPE STANDARD ;
DIMENSIONS 17 0 17 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in I 5.5 62 4 METAL2 ;
in I 5.5 0 4 METAL2 ;
out 0 11.5 62 4 METAL2 ;
out 0 11.5 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 17 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 17 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;

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```
MODULE STD25 ;
TYPE STANDARD ;
DIMENSIONS 30.5 0 30.5 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in0 I 15 62 4 METAL2 ;
in0 I 15 0 4 METAL2 ;
in1 I 21 62 4 METAL2 ;
in1 I 21 0 4 METAL2 ;
out 0 5.5 62 4 METAL2 ;
out 0 5.5 0 4 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 30.5 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 30.5 1.75 3 METAL1;
ENDIOLIST ;
ENDMODULE ;

MODULE STD26 ;
TYPE STANDARD ;
DIMENSIONS 103.75 0 103.75 62 0 62 0 0;
IOLIST ;
/* signalname termtype x y width layer */
Clk I 4.75 62 4 METAL2 ;
Clk I 4.75 0 4 METAL2 ;
Clr I 88 62 2 METAL2 ;
Clr I 88 0 2 METAL2 ;
D I 19.75 62 4 METAL2 ;
D I 19.75 0 4 METAL2 ;
Q 0 94 62 2 METAL2 ;
Q 0 94 0 2 METAL2 ;
Qbar 0 99 62 2 METAL2 ;
Qbar 0 99 0 2 METAL2 ;
Vdd PWR 0 60.25 3 METAL1;
Vdd PWR 103.75 60.25 3 METAL1;
GND PWR 0 1.75 3 METAL1;
GND PWR 103.75 1.75 3 METAL1;
ptport0 F 10.75 62 2 METAL2;
ptport1 F 25.75 62 2 METAL2;
ptport2 F 30.75 62 2 METAL2;
ptport3 F 35.75 62 2 METAL2;
ptport4 F 40.75 62 2 METAL2;
ptport5 F 45.75 62 2 METAL2;
ptport6 F 50.75 62 2 METAL2;
ptport7 F 55.75 62 2 METAL2;
ptport8 F 60.75 62 2 METAL2;
ptport9 F 65.75 62 2 METAL2;
ptport10 F 70.75 62 2 METAL2;
ptport11 F 75.75 62 2 METAL2;
ptport12 F 80.75 62 2 METAL2;
ptport0 F 10.75 0 2 METAL2;
ptport1 F 25.75 0 2 METAL2;
ptport2 F 30.75 0 2 METAL2;
ptport3 F 35.75 0 2 METAL2;
ptport4 F 40.75 0 2 METAL2;
ptport5 F 45.75 0 2 METAL2;
ptport6 F 50.75 0 2 METAL2;
ptport7 F 55.75 0 2 METAL2;
ptport8 F 60.75 0 2 METAL2;
ptport9 F 65.75 0 2 METAL2;
ptport10 F 70.75 0 2 METAL2;
ptport11 F 75.75 0 2 METAL2;
ptport12 F 80.75 0 2 METAL2;
ENDIOLIST ;
ENDMODULE ;

MODULE PAD28 ;
TYPE PAD ;
DIMENSIONS 140 0 140 334.5 0 334.5 0 0;
IOLIST ;
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/* signalname termtype x y width layer */
bondpin PB 70 334.5 2 METAL1;
Vdd PWR 140 39.5 79 METAL1 ;
Vdd PWR 0 39.5 79 METAL1 ;
GND PWR 140 119 68 METAL1 ;
GND PWR 70 0 92 METAL1 ;
GND PWR 0 119 68 METAL1 ;
GND1 PWR 140 325 19 METAL1 ;
GND1 PWR 0 325 19 METAL1 ;
ENDIOLIST ;
ENDMODULE ;
MODULE PAD30 ;
TYPE PAD ;
DIMENSIONS 140 0 140 334.5 0 334.5 0 0;
IOLIST ;
/* signalname termtype x y width layer */
bondpin PB 70 334.5 2 METAL1;
Vdd PWR 140 39.5 79 METAL1 ;
Vdd PWR 70 0 92 METAL1 ;
Vdd PWR 0 39.5 79 METAL1 ;
GND PWR 140 119 68 METAL1 ;
GND PWR 0 119 68 METAL1 ;
GND1 PWR 140 325 19 METAL1 ;
GND1 PWR 0 325 19 METAL1 ;
ENDIOLIST ;
ENDMODULE ;
MODULE PAD31 ;
TYPE PAD ;
DIMENSIONS 140 0 140 341 0 341 0 0;
IOLIST ;
/* signalname termtype x y width layer */
out 0 103.25 0 4 METAL2 ;
bondpin PB 70 341 2 METAL1;
Vdd PWR 140 46 79 METAL1 ;
Vdd PWR 0 46 79 METAL1 ;
GND PWR 140 125.5 68 METAL1 ;
GND PWR 0 125.5 68 METAL1 ;
GND1 PWR 140 331.5 19 METAL1 ;
GND1 PWR 0 331.5 19 METAL1 ;
ENDIOLIST ;
ENDMODULE ;
MODULE PAD32 ;
TYPE PAD ;
DIMENSIONS 140 0 140 346.5 0 346.5 0 0;
IOLIST ;
/* signalname termtype x y width layer */
in I 20.5 0 4 METAL2 ;
bondpin PB 70 346.5 2 METAL1;
Vdd PWR 140 51.5 79 METAL1 ;
Vdd PWR 0 51.5 79 METAL1 ;
GND PWR 140 131 68 METAL1 ;
GND PWR 0 131 68 METAL1 ;
GND1 PWR 140 337 19 METAL1 ;
GND1 PWR 0 337 19 METAL1 ;
ENDIOLIST ;
ENDMODULE ;

MODULE mike;
TYPE PARENT;
IOLIST;
S0 PI RIGHT 1120.25;
S1 PI RIGHT -1750.75;
S2 PI RIGHT -419.25;
S3 PI RIGHT 980.25;
S4 PI RIGHT 840.25;
S5 PI RIGHT -1887.5;
S6 PI RIGHT -1613.5;
S7 PI RIGHT -1473.5;
S8 PI RIGHT 548.25;
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S9 PI RIGHT 66;
S10 PI RIGHT 1540.25;
S11 PI RIGHT 1400.25;
S12 PI RIGHT 1260.25;
S13 PI RIGHT 700.25;
S14 PI RIGHT -1330.75;
S15 PI RIGHT -1190.75;
S16 PI RIGHT -898.75;
S17 PI RIGHT -1050.75;
S18 PI BOTTOM 760.5;
S19 PI BOTTOM 1040.5;
S20 PI BOTTOM 620.5;
S21 PI BOTTOM 1320.5;
S22 PI BOTTOM -1051.5;
S23 PI BOTTOM -1611.5;
S24 PI BOTTOM 900.5;
S25 PI BOTTOM -1471.5;
S26 PI BOTTOM -1191.5;
S27 PI BOTTOM 1460.5;
S28 PI BOTTOM 1180.5;
S29 PI BOTTOM 480.5;
S30 PI BOTTOM 165.75;
S31 PI BOTTOM -316.75;
S32 PI BOTTOM -631.5;
S33 PI BOTTOM -771.5;
S34 PI BOTTOM -1331.5;
S35 PI BOTTOM -911.5;
S36 PI LEFT 1400.25;
S37 PI LEFT 1260.25;
S38 PI LEFT 980.25;
S39 PI LEFT -416.5;
S40 PI LEFT 1537.5;
S41 PI LEFT 548.25;
S42 PI LEFT 1117.5;
S43 PI LEFT -901.5;
S44 PI LEFT -1053.5;
S45 PI LEFT -1333.5;
S46 PI LEFT -1473.5;
S47 PI LEFT -1613.5;
S48 PI LEFT -1753.5;
S49 PI LEFT -1893.5;
S50 PI LEFT -1193.5;
S51 PI TOP -316.75;
S52 PI TOP 165.75;
S53 PI TOP 480.5;
S54 PI TOP 620.5;
S55 PI TOP -771.5;
S56 PI TOP -911.5;
S57 PI TOP -1051.5;
S58 PI TOP -1471.5;
S59 PI TOP 900.5;
S60 PI TOP -1191.5;
S61 PI TOP -1331.5;
S62 PI TOP 760.5;
S63 PI TOP 1460.5;
S64 PI TOP 1040.5;
S65 PI TOP 1180.5;
S66 PI TOP 1320.5;
S67 PI TOP -1611.5;
ENDIOLIST;

NETWORK;

C0 BLK10 N54 N18 N19 N20 N21 N22 N23 N24 N25
N41 N312 N146 N304 N305 N306 N307 N308
N309 N310 N311 N46 N47 N48 N49 N50
N51 N52 N53 N139 N5 N214 N314 N315
N316 N317 N318 N319 N320 N321 ;
C1 BLK19 N54 N18 N19 N20 N21 N22 N23 N234 N41
N312 N146 N138 N5 N59 N60 N61 N62

N63 N64 N235 N236 N237 N238 N239 N240
;
C2 BLK8 N54 N155 N156 N157 N158 N159 N160 N150 N151
N18 N19 N20 N21 N22 N23 N24 N25
N200 N32 N33 N34 N35 N36 N37 N38
N39 N146 N304 N305 N306 N307 N308 N309
N310 N311 N140 N219 N5 N314 N315 N316
N317 N318 N319 N320 N321 ;
C3 BLK27 N18 N19 N20 N21 N22 N23 N24 N25 N253
N201 N202 N203 N204 N205 N206 N207 N208
N256 N146 N255 N254 N141 N142 N143 N144
N145 N257 ;
C4 BLK17 N0 N1 N2 N3 N259 N260 N261 N262 N213
N264 N265 N266 N268 ;
C5 BLK16 N175 N18 N19 N20 N21 N22 N23 N24 N165
N279 N282 N280 N281 N283 N284 N285 N286
N287 N288 N289 N290 N291 N294 N292 N293
N295 N296 N297 N298 N299 N300 N301 N302
;
C6 BLK16 N277 N18 N19 N20 N21 N22 N23 N24 N165
N176 N179 N177 N178 N180 N181 N182 N183
N184 N185 N186 N187 N188 N191 N189 N190
N192 N193 N194 N195 N196 N197 N198 N199
;
C7 BLK14 N276 N275 N274 N273 N272 N271 N270 N293 N292
N294 N291 N302 N301 N300 N299 N298 N297
N296 N295 N281 N280 N282 N279 N290 N289
N288 N287 N286 N285 N284 N283 N263 ;
C8 BLK14 N174 N173 N172 N171 N170 N169 N168 N190 N189
N191 N188 N199 N198 N197 N196 N195 N194
N193 N192 N178 N177 N179 N176 N187 N186
N185 N184 N183 N182 N181 N180 N175 ;
C9 BLK18 N4 N167 N149 N152 N150 N151 N153 N154 N155
N156 N157 N158 N159 N160 N188 N191 N189
N190 N192 N193 N194 N195 N196 N197 N198
N199 N42 N41 N291 N294 N292 N293 N295
N296 N297 N298 N299 N300 N301 N302 N225
;
C10 BLK15 N167 N168 N169 N170 N171 N172 N173 N174 N6
N7 N8 N9 N10 N11 N12 N13 N41
N312 N5 ;
C11 BLK11 N218 N221 N314 N315 N316 N317 N318 N319 N320
N321 U0 ;
C12 BLK11 N222 N223 N304 N305 N306 N307 N308 N309 N310
N311 U1 ;
C13 BLK11 N137 N209 N201 N202 N203 N204 N205 N206 N207
N208 U2 ;
C14 BLK11 N147 N278 U3 N270 N271 N272 N273 N274 N275
N276 U4 ;
C15 BLK11 N147 N148 N167 N168 N169 N170 N171 N172 N173
N174 N258 ;
C16 BLK9 N229 N45 N235 N236 N237 N238 N239 N240 ;
C18 STD22 N356 N166 N331 ;
C19 STD25 N334 N331 N341 ;
C20 STD20 N44 N31 N251 ;
C21 STD20 N44 N58 N252 ;
C22 STD20 N216 N27 N242 ;
C23 STD23 N233 N146 N227 N31 ;
C24 STD23 N233 N146 N226 N58 ;
C25 STD23 N233 N146 N243 N250 ;
C26 STD24 N360 N362 ;
C27 STD20 N232 N43 N4 ;
C28 STD24 N362 N361 ;
C29 STD24 N357 N359 ;
C30 STD24 N359 N358 ;
C31 STD20 N313 N44 N231 ;
C32 STD20 N219 N54 N232 ;
C33 STD24 N355 N356 ;
C34 STD24 N353 N354 ;

C35 STD25 N242 N210 N247 ;
C36 STD25 N167 N136 N277 ;
C37 STD25 N259 N67 N138 ;
C38 STD25 N260 N67 N139 ;
C39 STD25 N261 N67 N140 ;
C40 STD25 N262 N67 N141 ;
C41 STD25 N213 N67 N142 ;
C42 STD25 N264 N67 N143 ;
C43 STD25 N258 N136 N175 ;
C44 STD12 N224 N219 ;
C45 STD25 N265 N67 N144 ;
C46 STD25 N266 N67 N145 ;
C47 STD25 N268 N67 N146 ;
C48 STD25 N269 N277 N263 ;
C49 STD22 N231 N4 N147 ;
C50 STD22 N217 N247 N246 ;
C51 STD22 N217 N218 N245 ;
C52 STD22 N217 N229 N244 ;
C53 STD22 N217 N303 N243 ;
C54 STD22 N57 N215 N241 ;
C55 STD7 N324 N340 N344 N325 ;
C56 STD21 N219 N55 N211 N136 ;
C57 STD13 N154 N313 N17 N5 ;
C58 STD13 N153 N219 N16 N5 ;
C59 STD13 N152 N252 N15 N5 ;
C60 STD13 N149 N251 N14 N5 ;
C61 STD24 N54 N233 ;
C62 STD24 N232 N137 ;
C63 STD24 N312 N56 ;
C64 STD23 N54 N146 N164 N360 ;
C65 STD23 N54 N146 N163 N357 ;
C66 STD23 N54 N146 N162 N355 ;
C67 STD7 N336 N355 N353 N330 ;
C68 STD23 N54 N146 N161 N353 ;
C69 STD6 N65 N40 N345 N248 ;
C70 STD4 N65 N343 N212 N161 ;
C71 STD7 N212 N342 N351 N162 ;
C72 STD22 N350 N333 N163 ;
C73 STD1 N350 N336 N362 N164 ;
C74 STD24 N26 N166 ;
C75 STD5 N323 N322 N325 N217 ;
C76 STD6 N350 N357 N346 N227 ;
C77 STD24 N40 N212 ;
C78 STD6 N350 N331 N339 N228 ;
C79 STD25 N226 N227 N216 ;
C80 STD0 N326 N338 N334 N226 ;
C81 STD24 N335 N336 ;
C82 STD3 N340 N348 N337 N349 N343 ;
C83 STD3 N352 N360 N362 N166 N344 ;
C84 STD23 N233 N146 N246 N249 ;
C85 STD23 N54 N146 N250 N209 ;
C86 STD23 N54 N146 N249 N148 ;
C87 STD23 N233 N146 N241 N165 ;
C88 STD12 N230 N45 ;
C89 STD12 N220 N225 ;
C90 STD6 N360 N356 N337 N322 ;
C91 STD6 N332 N28 N339 N323 ;
C92 STD22 N65 N40 N324 ;
C93 STD6 N344 N28 N330 N345 ;
C94 STD22 N350 N360 N326 ;
C95 STD22 N356 N26 N327 ;
C96 STD4 N335 N327 N349 N328 ;
C97 STD13 N338 N361 N329 N341 ;
C98 STD22 N360 N166 N347 ;
C99 STD26 N222 N223 N66 U9 N215 ;
C100 STD24 N331 N332 ;
C101 STD1 N334 N348 N358 N333 ;
C102 STD22 N354 N166 N334 ;
C103 STD22 N332 N357 N335 ;

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C105 STD20 N352 N28 N337 ;
C106 STD22 N359 N26 N338 ;
C107 STD2 N361 N358 N339 ;
C108 STD25 N354 N28 N340 ;
C109 STD26 N233 N146 N216 N313 N220 ;
C110 STD22 N329 N328 N342 ;
C111 STD26 N234 N45 N66 N28 U10 ;
C112 STD26 N253 N209 N66 U11 N30 ;
C113 STD26 N255 N209 N66 U12 N43 ;
C114 STD1 N331 N361 N166 N346 ;
C115 STD26 N256 N209 N66 N210 N211 ;
C116 STD24 N347 N348 ;
C117 STD22 N360 N353 N349 ;
C118 STD26 N257 N209 N211 U13 N57 ;
C119 STD25 N65 N28 N351 ;
C120 STD2 N359 N166 N352 ;
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C122 STD26 N147 N148 N66 N267 U14 ;
C123 STD26 N254 N209 N66 N303 U15 ;
C124 STD23 N214 N221 U16 N229 ;
C125 STD23 N233 N146 N228 N224 ;
C126 STD23 N233 N146 N244 N221 ;
C127 STD23 N233 N146 N245 N223 ;
C128 STD23 N233 N146 N247 N222 ;
C129 STD23 N200 N223 N219 N218 ;
C130 STD23 N233 N146 N248 N230 ;
C131 PAD31 N22 S0 ;
C132 PAD31 N54 S1 ;
C133 PAD32 N4 S2 ;
C134 PAD31 N21 S3 ;
C135 PAD31 N20 S4 ;
C136 PAD30 S5 ;
C137 PAD32 N43 S6 ;
C138 PAD32 N31 S7 ;
C139 PAD31 N18 S8 ;
C140 PAD31 N27 S9 ;
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C142 PAD31 N24 S11 ;
C143 PAD31 N23 S12 ;
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C160 PAD32 N64 S29 ;
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C162 PAD32 N62 S31 ;
C163 PAD32 N61 S32 ;
C164 PAD32 N60 S33 ;
C165 PAD32 N16 S34 ;
C166 PAD32 N59 S35 ;
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C184 PAD32 N12 S53 ;
C185 PAD32 N11 S54 ;
C186 PAD32 N46 S55 ;
C187 PAD32 N47 S56 ;
C188 PAD32 N48 S57 ;
C189 PAD32 N51 S58 ;
C190 PAD32 N9 S59 ;
C191 PAD32 N49 S60 ;
C192 PAD32 N50 S61 ;
C193 PAD32 N10 S62 ;
C194 PAD28 S63 ;
C195 PAD32 N8 S64 ;
C196 PAD32 N7 S65 ;
C197 PAD32 N6 S66 ;
C198 PAD32 N52 S67 ;
ENDNETWORK;
ENDMODULE;
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