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OrCAD PLD COMPILER-386 V1.00  11/25/91  (Source file .\2MU2V8.PLD)

  1  This file contains the logic necessary for a GAL16V8 to decode latched
  2  data bits D0-D2 and generate the CAS signals for the eight 256K banks of
  3  memory (SIMMs) on the Micro Innovations 1MB/2MB memory board.
  4
  5
  6  |GAL16V8   1:DL2,    2:DL3,   3:DL4,   4:CASIN,
  7  |          12:CAS1, 13:CAS2, 14:CAS3, 15:CAS4,
  8  |          16:CAS5, 17:CAS6, 18:CAS7, 19:CAS8
  9  |
 10  |          Low:  CASIN, CAS[1..8]
 11  |
 12  |          CAS1 = CASIN & DL[4..2]==0
 13  |          CAS2 = CASIN & DL[4..2]==1
 14  |          CAS3 = CASIN & DL[4..2]==2
 15  |          CAS4 = CASIN & DL[4..2]==3
 16  |          CAS5 = CASIN & DL[4..2]==4
 17  |          CAS6 = CASIN & DL[4..2]==5
 18  |          CAS7 = CASIN & DL[4..2]==6
 19  |          CAS8 = CASIN & DL[4..2]==7
 20  |
 21  |
 22  |          Signature: "2MU2rev0"
I289  Complex GAL architecture selected.


RESOLVED EXPRESSIONS (Reduction 2)

Signal name      Row   Terms

CAS1              57   DL2' DL3' DL4' CASIN

CAS2              49   DL2  DL3' DL4' CASIN

CAS3              41   DL2' DL3  DL4' CASIN

CAS4              33   DL2  DL3  DL4' CASIN

CAS5              25   DL2' DL3' DL4  CASIN

CAS6              17   DL2  DL3' DL4  CASIN

CAS7               9   DL2' DL3  DL4  CASIN

CAS8               1   DL2  DL3  DL4  CASIN


♀SIGNAL ASSIGNMENT
                                      Rows
 Pin    Signal name   Column     --------------    Activity
                                 Beg Avail Used

  1.     DL2             2        -    -    -        High    (Clock)
  2.     DL3             0        -    -    -        High
  3.     DL4             4        -    -    -        High
  4.     CASIN           9        -    -    -        Low
  5.     -              12        -    -    -
  6.     -              16        -    -    -
  7.     -              20        -    -    -
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  8.     -              24        -    -    -
  9.     -              28        -    -    -
 11.     -              30        -    -    -                (Enable)
 12.     CAS1            1       56    8    1        Low     (Three-state)
 13.     CAS2           27       48    8    1        Low     (Three-state)
 14.     CAS3           23       40    8    1        Low     (Three-state)
 15.     CAS4           19       32    8    1        Low     (Three-state)
 16.     CAS5           15       24    8    1        Low     (Three-state)
 17.     CAS6           11       16    8    1        Low     (Three-state)
 18.     CAS7            7        8    8    1        Low     (Three-state)
 19.     CAS8            1        0    8    1        Low     (Three-state)
                                    ---- ----
                                      64    8  (13%)


I200  No fatal errors found in source code.
I201  No warnings.



♀OrCAD PLD-386
Type:       GAL16V8
*
QP20* QF2194* QV1024*
F0*
L0000 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L0032 01 01 01 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L0256 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L0288 01 10 01 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L0512 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L0544 10 01 01 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L0768 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L0800 10 10 01 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L1024 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L1056 01 01 10 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L1280 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L1312 01 10 10 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L1536 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L1568 10 01 10 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L1792 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L1824 10 10 10 11 10 11 11 11 11 11 11 11 11 11 11 11 *
L2048 00 00 00 00 00 11 00 10 01 00 11 01 01 01 01 01 *
L2080 00 11 00 10 01 11 00 10 01 10 01 01 01 11 01 10 *
L2112 00 11 00 00 11 11 11 11 11 11 11 11 11 11 11 11 *
L2144 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 *
L2176 11 11 11 11 11 11 11 11 11 *
C4B10*

I202  5/4/92  5:49 pm  (Monday)
I203  Memory usage 17K
I204  Elapsed time 1 second

♀
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