
Z80-Decoder

CUPL(WM) 5.0a Serial# 60008009
Device g16v8as Library DLIB-h-40-2
Created Sat Feb 08 11:47:14 2020
Name Z80-Decoder
Partno 00
Revision 01
Date 2/7/2020
Designer Norberto Collado
Company Koyado.com
Assembly None
Location Hillsboro, OR

=====

Expanded Product Terms

=====

ROM_CS1 =>
 A12 & A13 & A14 & A15 & !MEM1 & !MREQ & !ROMDIS
 # !A11 & !A12 & A13 & A14 & A15 & !MEM1 & !MREQ & !ROMDIS

ROM_CS2 =>
 A15 & MEM1 & !MREQ & !ROMDIS

memadr =>
 A15 , A14 , A13 , A12 , A11

Symbol Table

Pin Pol	Variable Name	Ext	Pin	Type	Pterms Used	Max Pterms	Min Level
---	-----	---	---	----	-----	-----	-----
!	A11		5	V	-	-	-
!	A12		4	V	-	-	-
!	A13		3	V	-	-	-
!	A14		2	V	-	-	-
!	A15		1	V	-	-	-
!	MEM1		7	V	-	-	-
!	MREQ		8	V	-	-	-
!	ROMDIS		6	V	-	-	-
!	ROM_CS1		19	V	2	8	1
!	ROM_CS2		18	V	6	8	1
	memadr		0	F	-	-	-

LEGEND D : default variable F : field G : group
 I : intermediate variable N : node M : extended node
 U : undefined V : variable X : extended variable
 T : function

=====

Fuse Plot

=====

Syn 02192 - Ac0 02193 x

Pin #19 02048 Pol x 02120 Ac1 x

00000 -x-x-x---x-----x---x---x-----
00032 -x-x-x--x---x---x---x---x-----
00064 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00096 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00128 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00160 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00192 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00224 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Pin #18 02049 Pol x 02121 Ac1 x

00256 -x-x-x---x-----x---x---x-----
00288 -x-x----x---x---x---x---x-----
00320 x--xx---x---x---x---x---x-----
00352 ---xx---x---x---x---x---x-----
00384 x--x-x-----x---x---x-----
00416 ---xx---x-----x---x---x-----
00448 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00480 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Pin #17 02050 Pol x 02122 Ac1 -

00512 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00544 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00576 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00608 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00640 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00672 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00704 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00736 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Pin #16 02051 Pol x 02123 Ac1 -

00768 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00800 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00832 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00864 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

00896 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00928 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00960 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
00992 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Pin #15 02052 Pol x 02124 Ac1 -
01024 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01056 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01088 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01120 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01152 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01184 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01216 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01248 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Pin #14 02053 Pol x 02125 Ac1 -
01280 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01312 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01344 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01376 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01408 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01440 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01472 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01504 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Pin #13 02054 Pol x 02126 Ac1 -
01536 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01568 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01600 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01632 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01664 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01696 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01728 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01760 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Pin #12 02055 Pol x 02127 Ac1 -
01792 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01824 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01856 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01888 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01920 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
01952 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

01984 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
02016 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

LEGEND X : fuse not blown
 - : fuse blown

=====
Chip Diagram
=====

Z80-Decoder					
!A15	x---	1	20	---x	Vcc
!A14	x---	2	19	---x	!ROM_CS1
!A13	x---	3	18	---x	!ROM_CS2
!A12	x---	4	17	---x	
!A11	x---	5	16	---x	
!ROMDIS	x---	6	15	---x	
!MEM1	x---	7	14	---x	
!MREQ	x---	8	13	---x	
	x---	9	12	---x	
GND	x---	10	11	---x	