

MOSES

MULLARD SPACE SCIENCE LABORATORY
UNIVERSITY COLLEGE LONDON

Author: KJ Rees

MOSES ROE Digital PCB Actel Design Definition

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ISSUE	DATE	PAGES CHANGED	COMMENTS
01	25/02/04	All new	MOSES_ROE_DIG_IC_V1 is the 1 st under configuration control

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1. Design files

Design Name: MOSES_ROE_DIG_IC_V1
 Used On: MOSE ROE Digital PCB Version: FM

Required VHDL Library mappings:

MOSES_ROE_DIG_IC_V1 maps to (~):
 <VHDL working dir>/MOSES_ROE_DIG_IC_V1

Original library mapping:

MOSES_ROE_DIG_IC_V1 mapped to: /home/kjr/vhdl_src/MOSES_ROE_DIG_IC_V1

Directory Structure:

Library name: MOSES_ROE_DIG_IC_V1
 Design Top level directory name: MOSES_ROE_DIG_IC_V1
 Source: MOSES_ROE_DIG_IC_V1/src
 Generated VHDL: MOSES_ROE_DIG_IC_V1/hdl
 Model SIM's compiled VHDL: MOSES_ROE_DIG_IC_V1/work
 Synplicity Working directory: MOSES_ROE_DIG_IC_V1
 Actel Designer Working directory: MOSES_ROE_DIG_IC_V1/actel

Files

Top level design file: ~/src/ROE_DIG_TOP
 Test bench: ~/src/ROE_DIG_TOP_tb
 Synplicity project file: ~/MOSES_ROE_DIG_IC_V1.prj
 Actel Designer project file: ~/actel/MOSES_ROE_DIG_IC_V1.adb
 Fuse File: ~/actel/MOSES_ROE_DIG_IC_V1.afm

Auxiliary Data

None

Notes:

The cdrom associated with this design carries the same document number as this DD. Copying the top level design from cdrom to disk using the Design Browser in HDL Designer will not recover the Actel or Synplicity directory structures. Required files must be moved manually.

2. Application Software

Design tools:

Tool	Name	Version	Date
Packaged tool set	FPGA Advantage	5.1	08/08/01
Design entry tool	HDL Designer	2002.1a (Build 22)	06/06/02
Simulator	ModelSim SE	5.5C, 2001.07	-
Synthesis	Synplify Pro	7.0.1	01/10/01
Fitter	Actel Designer	R1-2002: V4.5.0.12	-

Environment:

Sparc Ultra 5 Solaris 7

3. Change Notes

None.

4. Assembly List

1 x RT54SX32A-PQ208

5. Programming Procedure

Date of programming	17 September 2003
Programming hardware	Silicon Sculptor part no. 1630087, sm208pqsx-actel pod
Hardware serial number	Sculptor serial no. 24903
Hardware self test	Passed 17 September 2003
Programming software	Actel Sculptor 3.68 for DOS
Software environment	DOS window under MS Windows 98SE
Blank check	Passed 17 September 2003
Device signature	0xDE
Device checksum	0xBC79