

Sandia Advanced MEMS Design Tools 2.2.5 Update

INTRODUCTION

This update is intended for use with the Sandia Advanced MEMS Design Tools 2.2, 2.2.2, 2.2.3 or 2.2.4. You must have these Tools installed before this update will function correctly. Your serial number, supplied with the V 2.2, V 2.2.2, V 2.2.3 or the V 2.2.4 Tools CD is required. This update must be installed before the Sandia Visualization Tools 2.2.5 update.

This update includes all changes made since V2.2.

CONTACTS

For information regarding this update, please send email to drt@drc.sandia.gov.

SYSTEM REQUIREMENTS

The following minimum system requirements must be met to effectively run this CD:

CPU:	Pentium IV or better
Clock Speed:	3.0 GHZ or faster
Memory:	2 GB
Hard Drive:	2 GB free disk space (512MB pagefile recommended)
Operating System:	Windows XP, XP x64, or Vista
Monitor Resolution:	1280 X 1024 128MB OpenGL-capable workstation class graphics card
Software:	AutoCAD 2007 - 2010 Microsoft Internet Explorer 6.0 Sandia Advanced MEMS Design Tools 2.2, 2.2.2, 2.2.3, or 2.2.4. These specifications are the same as those recommended for AutoCAD 2010. Some portions of the software will run on systems with lesser specifications but with reduced performance.

COPYRIGHT

Copyright (2009) Sandia Corporation. Under the terms of Contract DE-AC04-94AL85000, there is a non-exclusive license for use of this work by or on behalf of the U.S. Government. Export of this program may require a license from the United States Government.

RELEASE NOTES

Version 2.2.2 09/27/05

Updated for use with AutoCAD 2006.

Enhanced snl_chkent to display errors using the DRC interface.

Fixed unit errors in standard components.

Removed metal layers.

Fixed unclosed polygons in DIAGNOSTIC TRA.

Added support for Poly0_Cut layer.

Updated P0C and P1 icons.

Added "Sandia MEMS Design Tools" icon to desktop.

Updated Design Guide.

Updated documentation.

Version 2.2.3 01/26/07

Revised to support Metal bond pads.

Updated menu for use with AutoCAD 2007.

Updated DRC documentation.

Fixed problem with TextGenerator that was creating non-uniformly scaled blocks.

Fixed bug in SafeExpode with non-uniformly scaled blocks.

Fixed problem with the GearGenerator that was ignoring non-visible parts out of the block definition.

Revised the installation to avoid locating an AutoCAD Trial version temporary storage.

Added tolerances to the Difference utility.

Version 2.2.4 04/16/2008

Removed references to VBcore.dll in the Difference Utility for compatibility with XP x64 and Vista.

Updated VBA interfaces for use with AutoCAD 2008/2009 x64.

Revised Gear Generator to allow dimple cuts to be turned off when etch release holes are selected.

Updated menus to support large icons.

Fixed problem in the Trace Generator that generated a straight line segment when an arc segment was used to close a polygon. Added support for standalone arc segments.

Revised components:

SNL_SNL_12X_DISP40UM_A00

SNL_DIAG_TRA_A01

SNL_HPCD_ACTUATOR_A01

SNL_HPCD_PUSH_HEAD_A01

SNL_SUBMICRON_VERNIER_A00

SNL_SYMDR_ACTUATOR_C00

SNL_SYMDR_MICROENGINE_C00

to reduce false DRC errors when rotated.

Updated the Design Guide to correct typo in MMPOLY2 layer name.

Added DRC support for TEXT, DTEXT, and MTEXT using ROMANS,

ROMAND, or STANDARD fonts only.

Version 2.2.5 09/25/09

Updated AutoCAD macros to work with Microsoft Update KB960715.

Added support for AutoCAD 2010.

Added VBA files for 64-bit AutoCAD 2010.

Added Hyperlinks to DRC result geometry.

Added 48-pin module to CompLib.

Changed FirstDRC to display error count and description.

Updated lower case "x" char to eliminate false DRC errors.