

CADENCE QUICKVIEW LAYOUT AND MANUFACTURING DATA VIEWER

Cadence® QuickView is an easy-to-use, high-performance, standalone system for viewing and superimposing layout and manufacturing data in various formats. It offers design and manufacturing teams a highly extensible tool for viewing, analyzing, and comparing layout and manufacturing data.

CADENCE QUICKVIEW

With Cadence QuickView, design and manufacturing teams can analyze and compare layout and manufacturing data. The data is displayed directly from the files without requiring disk-consuming translations to intermediate formats. Cadence QuickView provides pan, zoom, and measure capabilities with a wide range of user preference options including colors, fill patterns, and line styles in a multiple window environment. A "replay" macro capability enables the capture of useful command sequences for customization, repetition, and future reuse.

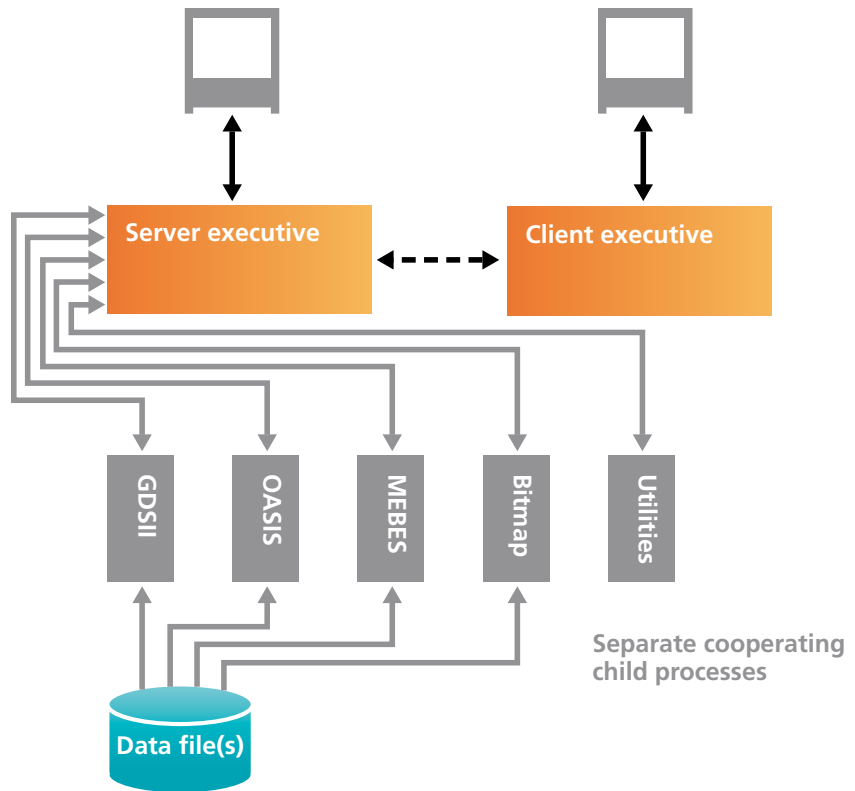


Figure 1: Concurrent viewing of multiple formats

BENEFITS

- Multi-format display capabilities enable the viewing and superimposing of design data in any of its intermediate conditions throughout the design-finishing process
- Offers high-performance, high-capacity data viewing with powerful options that allow the full range of display, from deep sub-micron features to full reticle or mask-level databases
- Intelligent overlay and graphical XOR capabilities make graphical comparisons of data easy by providing an additional element of decision support
- Enables graphical verification of reticle designs based on the actual data used in mask manufacturing, which eliminates expensive jobdeck errors and improves the predictability of cycle times
- Enables coordinate scaling, off-setting, rotation, and/or mirroring for overlaying and comparing multiple datasets
- Enables fast and powerful measurement and analysis
- Crosstalk communications feature enables graphical communication among multiple sites with remote pan, zoom, measure, and screen mark up, minimizing the need for plotting and printing
- Offers efficient and generic means of displaying and stepping through DRC error diagnostics results
- Displays bitmap images, enabling direct graphical comparison with any other supported format
- Accepts industry-standard formats

- Offers a configurable GUI
- Includes a full-featured macro language for the development of custom viewing and data inspection applications

FEATURES

VIEWING LAYOUT FORMATS

- Supports multiple layout formats:
 - GDSII
 - OASIS
 - OpenAccess
 - LAFF
 - GL/1
- May be viewed concurrently to verify changes, alignment, or interaction without the worry of cell name collisions
- May be viewed mirrored, rotated, scaled, and offset
- Various data query functions are available including hierarchical listings, reference and geometry status commands, and a cell finder
- A general purpose stepper automatically pans and zooms to cell instances, as well as geometric properties and attributes

VIEWING MANUFACTURING FORMATS AND JOBDECKS

- Supports leading manufacturing formats:
 - MEBES through Mode 5 (data, job-decks, SemiP10)
 - JEOL 2.1, 3.0, and 3.1 (data and job-decks)
 - Toshiba VSB 11 and 12 (data and job-decks)
 - HL800, HL900, and HL950 (data)

- May be viewed concurrently to verify changes, alignment, or interaction
- May be viewed mirrored, rotated, scaled, and offset
- May be viewed in normal or reverse tone
- Stripe and segment boundaries, as well as virtual addressing, may be superimposed on the pattern data
- Pattern statistics are made available using the QuickView “identify” and “analyze” commands
- Rapid display of complete mask or reticle data in fractured format using manufacturing-ready jobdecks and appropriate data files
- Useful statistical information may be extracted and displayed

CADENCE SERVICES AND SUPPORT

- Cadence application engineers can answer your technical questions by telephone, email, or internet — they can also provide technical assistance and custom training
- SourceLink® online customer support gives you answers to your technical questions — 24 hours a day, 7 days a week — including the latest in quarterly software rollups, product release information, technical documentation, software updates, and more
- Cadence-certified instructors teach more than 80 courses and bring their real-world experience into the classroom
- More than 25 Internet Learning Series (iLS) online courses allow you the flexibility of training at your own computer via the Internet

cadence™

Cadence Design Systems, Inc.

CORPORATE HEADQUARTERS

2655 Seely Avenue
San Jose, CA 95134
P: +1.800.746.6223 (*within US*)
+1.408.943.1234 (*outside US*)
F: +1.408.943.5001
www.cadence.com

For more information,
log on to:
www.cadence.com
or email:
k2_support@cadence.com