

# CADLink

CADLink is compatible with industry-leading CAD and PLM/PDM systems.

## Integrate and Synchronize Your CAD Data with Kinetic

Increase the speed of data flow by integrating your computer-aided design (CAD) system. In doing so, you can streamline the entire product development process and eliminate the burdens of having disparate systems—freeing your engineers to focus on design and innovation.

CADLink allows engineers to create Item Master and Bill of Materials (BOM) records identical to engineering CAD data with the click of a button. The direct integration reduces manual data entry and clerical errors, and your production process benefits from using information that is identical to work order documentation.

Keeping your engineering data accurate and synchronized with your engineering drawings and models is critical. With CADLink, you will see significant improvements in production speed, on-time shipments, and accuracy of engineering data—with reductions in engineering cost, scrapped parts, and confusion on the shop floor.

**1** → **Direct CAD Integration**  
 Real-time, direct, two-way link between your CAD and Kinetic means no more exporting or importing of data files. Launch directly from the CAD suite of your choice. Interface for indented multi-level BOMs and thumbnail preview image of the CAD part lets you know what you are looking at.

**2** → **Direct Integration to Kinetic**  
 Assign essential Kinetic fields such as Product Code, UOM, and Part Type using Kinetic dropdown menus in CADLink.



### Benefits

Eliminate manual data entry

Help cut design cost

Improve data consistency and accuracy

Reduce cycle time

Improve information flow



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#### **Bidirectional Data Push**

Bidirectional data push keeps your CAD and Kinetic engineering data synchronized and up to date. Critical information such as part quantity and material selection will be kept consistent throughout your CAD and ERP system.

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#### **Live Data Comparison**

Live comparison lets you visually review BOM changes before committing to save. Create Kinetic Item and BOM records identical to your drawings in one click.

#### **Powerful searches**

Search your Kinetic Item Master live and insert raw material items into your BOM. Search and insert non-CAD items into your BOM to create a complete BOM—not just what you modeled.

#### **Eliminate duplicate manual data entries**

Single-step process eliminates duplicate manual data entries of engineering data.

#### **Quick and easy routing interface**

CADLink offers a simple interface for creating and assigning operations on your BOM.

#### **Powerful visual interface**

CADLink offers an intuitive and highly visual interface to display data discrepancies. BOM quantity changes and updates are displayed in the change summary tab.

#### **One-click summary report**

Easily generate PDF version of BOM. Change summary report and export BOM in a Microsoft Excel file format to meet your documentation requirements.

### **Features**

#### **Discrepancy and error notification**

Resolve discrepancies in the CADLink interface and automatically update both your CAD files and Kinetic data. CADLink checks for critical errors and notifies the user before saving.

No	Rev	Part Number	Revision	Part Description	Related Operation	Unit Qty	Ref Designators	Item Class	Inven
1.1		MC-001204SM	A	4 Digit Mechanical Counter Assembly	0	1,000		Counted Units	Each
1.2		CR1-001204SM-1	A	Mechanical Advance Assembly	0	1,000		Counted Units	Each
1.2.1		AL-001204SM	A	Advance Latch Assembly	0	1,000		Counted Units	Each
1.2.1.1		AL-400291	A	Advance Latch, 4 Digit	0	1,000		Counted Units	Each
1.2.1.2		SS-00012634	A	Spring, Steel M12034	0	1,000		Counted Units	Each
1.2.2		ALH-001204SM	A	Advance Latch Housing Assembly	0	1,000		Counted Units	Each
1.2.2.1		ASS-0209110	A	Advance Spring Shaft Back	0	2,000		Counted Units	Each
1.2.2.2		AL-192312	A	Advance Latch Shaft, Steel Material 31234	0	1,000		Counted Units	Each
1.2.2.3		ALH-4002817	A	Advance Latch Housing 4 Digit	0	1,000		Counted Units	Each
1.2.2.4		AP-0029434	A	Advance Pin, Steel Material 29434	0	1,000		Counted Units	Each
1.2.2.5		HB-0019235	3	Reset Bearing	0	1,000		Counted Units	Each
1.2.2.6		ASS-020911	A	Advance Spring Shaft Back	0	2,000		Counted Units	Each
1.3		CR-391204SM	A	Counter Reset Assembly/SET	0	1,000		Counted Units	Each
1.3.1		TAY06L-0001-1	A	Latch Product	0	4,000		Counted Units	Each
1.3.2		RS-0019234-1	A	Reset Spring, Steel Material	0	4,000		Counted Units	Each
1.3.3		TAY06L-62304-10	A	Reset Latch Shaft	0	1,000		Counted Units	Each
1.4		NWA-012204SM-2	A	Numbering Wheel 4 Digit Assembly	0	1,000		Counted Units	Each
1.4.1		Gear O 1020 B0		Reset Worm Gear	0	1,000		Counted Units	Each
1.4.2		Reset Pin 2		Reset Pin, Material 1789	0	1,000		Counted Units	Each
1.4.3		NUMBERING WHEELS		Numbering Wheel Counter	0	1,000		Counted Units	Each
1.4.4		QB00039-1		Advance Latch Can	0	4,000		Counted Units	Each
1.4.5		Pin		Pin, Material 1399	0	2,000		Counted Units	Each
1.4.6		STD 4 Digit Printer Head Shaft		Numbering Wheel Shaft	0	1,000		Counted Units	Each
1.5		NN-178204SM	A	Numbering Wheel Housing Assembly	0	1,000		Counted Units	Each
1.5.1		200004-000	A	ASSEMBLY, BREAKER, (I-A-B) INPUT DRVR	10	1,000		Counted Units	Each
1.5.2		MCH-4M00002		4 Digit Mechanical Counter Housing	10	1,000		Counted Units	Each
1.5.3		CH-0219000	2	Carriage Header	10	1,000		Counted Units	Each
1.5.4		SB-0209121		Print Head Spring Bracket, Material 9221	10	1,000		Counted Units	Each
1.5.5		ASS-0209110	A	Advance Spring Shaft Back	0	2,000		Counted Units	Each
1.5.6		ASS-020911	A	Advance Spring Shaft Back	10	2,000		Counted Units	Each

### Color-coded changes

Engineers can easily see the effects of changes to Kinetic and CAD data—green fields represent new parts that will be created in Kinetic yellow fields highlight data discrepancy, and Kinetic gray fields represent parts to be removed from your BOM.

### Small footprint

CADLink installs and sets up with ease. It also offers a small footprint with minimum client machine hardware and software requirements. The installation requires no additional database or server components.

### Integrations

CADLink is compatible with industry- leading CAD Systems like SOLIDWORKS®, Inventor®, AutoCAD®, CATIA®, Solid Edge®, NXTM, and more.

It also works with PLM/PDM systems like SOLIDWORKS PDM Professional, PTC WindChill®, Autodesk® Vault Professional, and Siemens Teamcenter®—among others.

### Additional Modules

Extend your CADLink capabilities with optional modules that include:

#### MBoM

The MBoM module allows manufacturing engineers to reorganize BOMs saved from CADLink in order to optimize them for manufacturing. They can also make changes to the BOM before pushing it to Kinetic.

### Extended field mapping

This module allows engineers to map UDFs to CAD file properties. Users must simply first have to create the UDFs on the Part, Standard BOM, Quote BOM, or Job BOM table. Then, they can add field mappings from any CAD property to any User Defined Field, as well as any part/material table fields in Epicor. This module also provides the ability to code new logic to CADLink.

### Auto part numbering

Easily control and simplify the generation of part numbers with the auto part numbering feature. Engineers can apply your business rules to generation of part numbers and let the system automate the process to help ensure accuracy.

### Job BOM integration

This enables users to save Job BOM data directly without having to go through the part master or engineering workbench to validate. It also lets users select a preexisting job number or create one “on the y” while maintaining the ability to compare against parts that already exist in part master.

### ECN manager

ECN Manager is a web-based, turnkey system that allows engineering designers to create and modify ECNs from within their design software of choice—all while they are actually making the changes.



## Powered by QBuild

Since 2002, QBuild has provided superior service to customers across the globe— earning the reputation as the best CAD ERP Integrator in North America. QBuild offers the highest quality of Engineering Design Interface Software on the market today, enabling the direct connection of CAD data to ERP, reducing engineering costs, streamlining internal ECN processes, and equipping sales teams with engineering expertise.

## EPICOR

We're here for the hard-working businesses that keep the world turning. They're the companies who make, deliver, and sell the things we all need. They trust Epicor to help them do business better. Their industries are our industries, and we understand them better than anyone. By working hand-in-hand with our customers, we get to know their business almost as well as they do. Our innovative solution sets are carefully curated to fit their needs, and built to respond flexibly to their fast-changing reality. We accelerate every customer's ambitions, whether to grow and transform, or simply become more productive and effective. That's what makes us the essential partners for the world's most essential businesses.

Contact Us Today: [info@epicor.com](mailto:info@epicor.com) | [www.epicor.com](http://www.epicor.com)

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