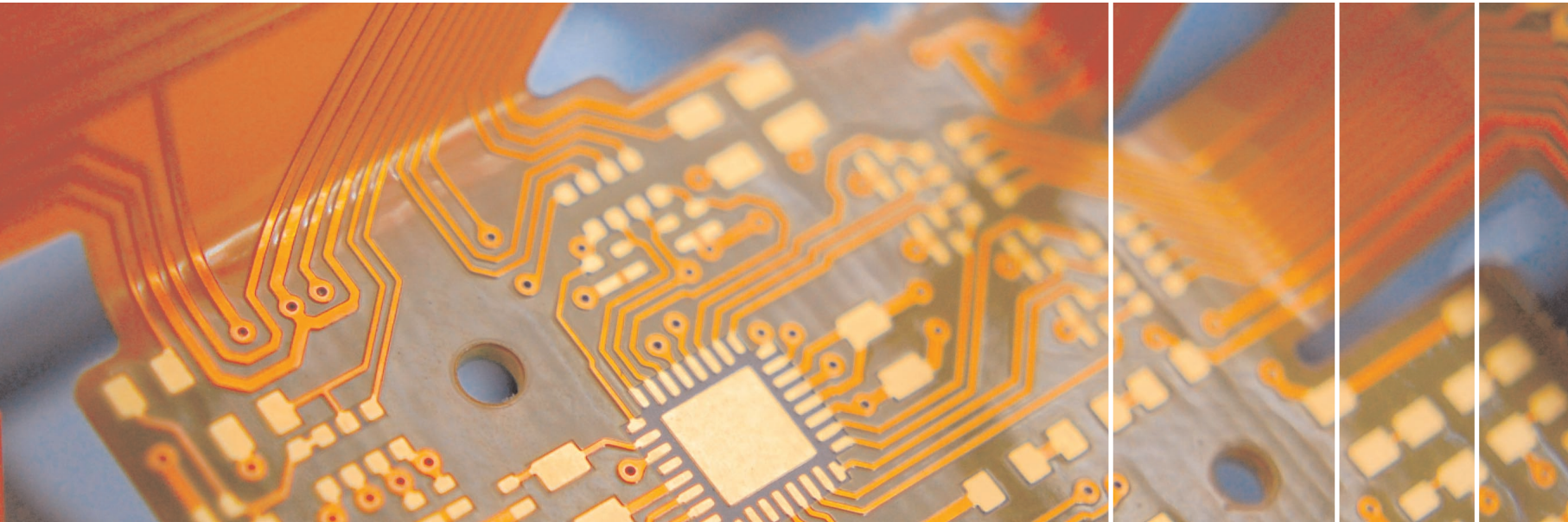


Pulsonix PCB



Advanced Schematic/PCB
Design Environment



Pulsonix - setting the technology standard

The complete design suite

Pulsonix is an advanced electronics design suite of tools developed to meet the changing needs for modern Schematic capture and PCB layout.

Developed in 2001, it's the first completely new, high-level combined Schematics Capture & PCB layout product for many years. This exciting software tool has been developed from the ground up by PCB design industry professionals using the very latest techniques in graphics and data handling.

Easy to learn and logical to use

Pulsonix was been conceived with an easy to understand user interface using Microsoft standards, look and feel.

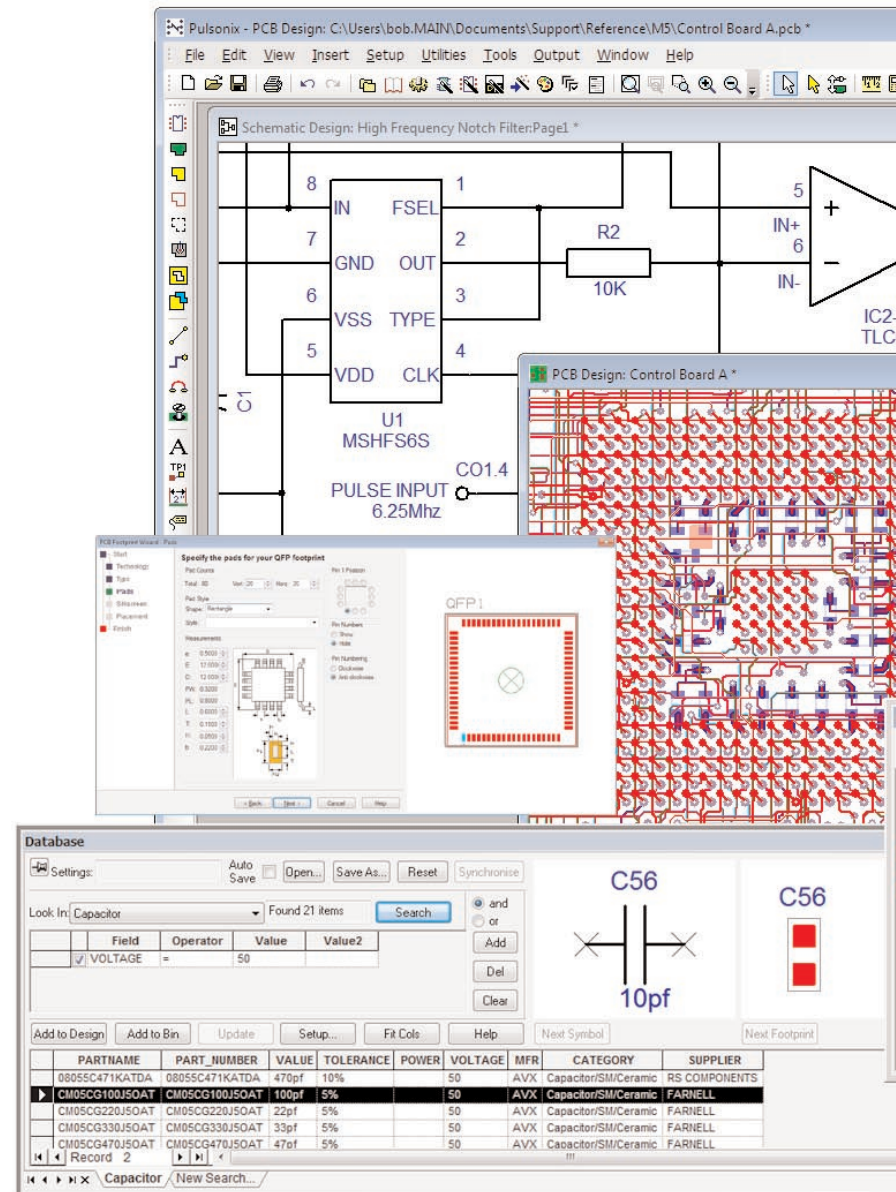
The menu system is logical and intuitive avoiding unnecessary mouse clicks or movement as you create your designs. The whole design process is well structured and thought-through, with minimum use of menus and in-context commands right there when needed. The toolbars and keyboard keys are fully configurable so that at all times you have shortcut keys and tools to hand, making the design process much more efficient.

Training needs kept to a minimum

A key principle in the design of Pulsonix was to create a product where the need for structured user training could be minimised. With this implementation and you will find that you are productive in a very short time. Pulsonix is delivered with an informative Users Guide and up to date, context sensitive on-line HTML help.

“Pulsonix has been designed based on key criteria

- Easy to use – by way of an intuitive user interface
- Designed for the casual user and the professional
- Import design and library data from other EDA products





Peace of mind in superior quality

The Pulsonix team throughout the company is highly customer focused; every activity is centred on you, the customer. Our support and service is 5-star and totally unparalleled with any other EDA vendor; this is in addition to a leading quality product.

The Pulsonix brand is synonymous with quality and service. Once you purchase the product you'll be buying into the reassurance that you will be well looked after throughout every stage of the process.

Designed with the future in mind

Pulsonix is built on the latest concepts in software design, hence it has many years of life and potential expansion ahead.

With the need for constant growth of a product through customer feedback and market demands, Pulsonix is well positioned to grow with any technology or trends that are being developed, and even some that are years ahead!

The screenshot displays the Pulsonix PCB design software interface. The main window shows a circuit board layout with various components and traces. A 'World View' window is open, showing a top-down view of the board. A 'Component Bin' window is also open, displaying a list of components. The 'Rules Spreadsheet' window is open at the bottom, showing a table with columns for Net, Net Class, Sub-Net Att, Pad1, Pad2, Min Length, Max Length, Length, Max Length, and Length Diff. The table contains data for various nets, including ADD5, ADD6, B, DIFF1, DIFF2, DRIVE, FAT, FB01, FB02, FB03, and FB04. The status bar at the bottom indicates the grid size: Grid: <Working> 0.15875 Abs 630.67170 419.32332 mm.

Net	Net Class	Sub-Net Att	Pad1	Pad2	Min Length	Max Length	Length	Max Length	Length Diff
ADD5	Signal				100.00	700.00	1174.12 Est.		
ADD6	Signal				100.00	700.00	1221.64 Est.		
B	Signal				100.00	700.00	2546.45 Est.		
DIFF1	Diff						3562.96 Est.	150.00	154.26
DIFF2	Diff						1928.08 Est.	150.00	154.26
			Q4.1	Q5.1	1300.00	1750.00	1305.51		
			Q4.2	Q5.2	1300.00	1750.00	1459.77		
			Q4.2	R34.2	1300.00	1750.00	488.31 Est.		
			Q5.2	R34.2	1300.00	1750.00	1928.08 Est.		
DRIVE	Sig2				1000.00	1500.00	7213.28 Est.		
FAT	Signal				100.00	700.00	1736.98 Est.		
FB01	Signal				100.00	700.00	200.00 Est.		
FB02	Signal				100.00	700.00	200.00 Est.		
FB03	Signal				100.00	700.00	200.00 Est.		
FB04	Signal				100.00	700.00	200.00 Est.		

Grid: <Working> 0.15875 Abs 630.67170 419.32332 mm

Pay for what you need, Pulsonix grows with you

Dynamic product range

With the Pulsonix product, you only pay for what you need. The product range is scalable and modular. Start off with the product you need now and upgrade as your needs grow with your growing designs and technology challenges.

Flexible licensing

Whether you require node-locked or floating network licenses broadcast by your company server, Pulsonix has a licensing scheme for you.

Our floating network licensing is one of the most adaptive around; with a powerful administration interface for the server, licenses can be allowed or restricted around the network or work groups.

Tightly integrated package

Integrated SCM and PCB design editors - uses the same libraries for all design and Spice simulation

Import Filters

Pulsonix boasts the industry's largest range of import filters. Tried and tested, these are high-quality reliable import filters that have been proven time and time again. Import filters are available for:

Import Filters are available for:

- | | |
|--------------|-------------------|
| ■ Altium | ■ Eagle |
| ■ Protel | ■ Integra |
| ■ Accel | ■ OrCAD |
| ■ P-CAD | ■ Cadence Allegro |
| ■ CadStar | ■ Zuken CR5000 |
| ■ Visula PCB | ■ System Designer |
| ■ PADS | ■ Ultiboard |
| ■ DxDesigner | ■ EdWin |
| ■ ViewLogic | ■ Plus more |

5-Star Service

Pulsonix is widely known for its high quality features and efficient after-sales care. Our service has been given a 5-star rating by our customers, proving that your service and support are a high priority to us.

Low cost of ownership

As well as being an affordable solution, Pulsonix has one of the lowest annual maintenance pricing structures in the market today. The price is reflective of what we believe it should be; not the over-inflated costs of some of the legacy products about. This all means that the cost of your Pulsonix ownership and return on your investment makes sense.

Scalable solutions

All Pulsonix products have the same core structure and are ready to use out of the box. Each is supplied with Schematic Capture, PCB Layout and our Autorouter. An 80,000 part library and tools to manage and create them are also supplied. Once your needs grow, Pulsonix can be further enhanced with our speciality range of add-on options; options such as interactive high speed design or the database connection modules for example. Our options are standalone so they don't rely on another option being available.

Educational incentives

We believe that the educational establishments deserve to teach and manage projects using one of the easiest systems available today, Pulsonix is ideal within a classroom environment and all project and research work within it. There are very generous discounts and schemes available if you fall within our educational boundaries.

“ Pulsonix is our new ECAD standard tool for Schematics, simulation and PCB design. It has been chosen for its modern easy-to-use interface and its perfect price/performance ratio. ”
O. Hollinger, Carl Zeiss AG.

Schematic License

PCB Design Licenses

Schematic Capture

**Schematic
Only License**

Autorouter

PCB Design

Schematic Capture

**1000 Pin
License**

Autorouter

PCB Design

Schematic Capture

**2000 Pin
License**

Autorouter

PCB Design

Schematic Capture

**Unlimited Pin
License**

Build your Pulsonix product from four base levels: Schematic Only, 1000 Component Pins, 2000 Component Pins and Unlimited Component Pin licenses.

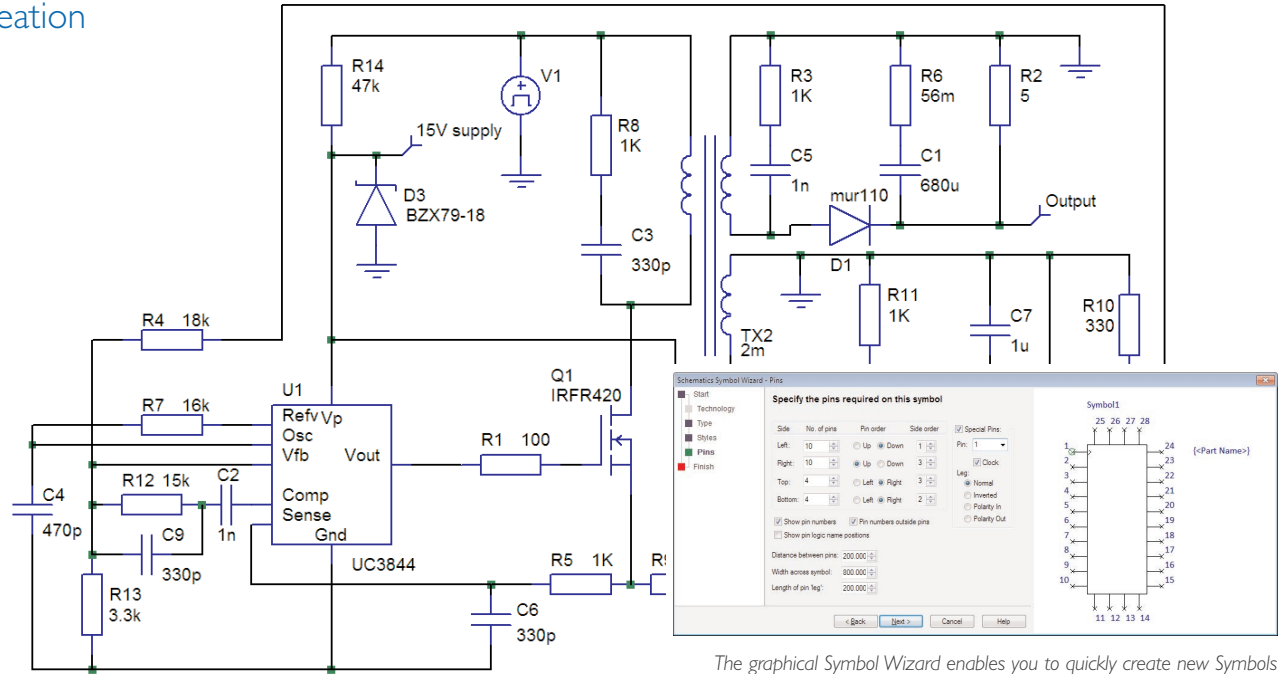
Fast, intelligent schematic creation

Create clear and concise schematics

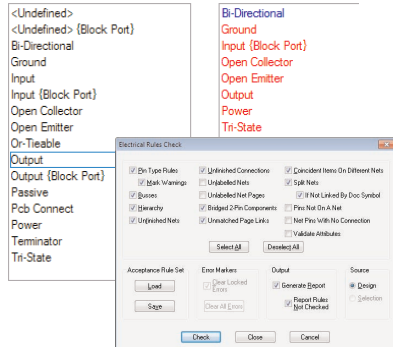
Create clear and concise schematic drawings in this easy-to-use design environment. No tedious menus or commands to navigate with modeless operation and intuitive fast usage.

Electrical Rules Checking

Electrical rules checking (ERC) both Online as you design and as an interactive batch mode are readily available to ensure your connective design rules are adhered to at all times during the circuit creation. All ERC violations are instantly notified to you so you can take corrective action.



The graphical Symbol Wizard enables you to quickly create new Symbols



User configurable ERC Rules -
essential for right first time design

Flat Sheet and Multi-level Hierarchical Design

Pulsonix provides 'top down' design: breaking blocks into functional elements allowing you to define the detail of each element, and bottom-up' design: facilitating the re-use of commonly used circuit elements using pre-defined blocks to build a solution.

Instant Cross Probing

Cross probe bi-directionally between your Schematic and PCB designs. Click on the component or connection in the Schematic and see the corresponding component instantly highlighted in the PCB, or click on a footprint or track in PCB and see it highlighted in the Schematic.

Sketch Connections

Interactive Schematic Routing enables you to guide the routing path for electrical connections within your schematic design. With point-to-point routing and 'sketch' path mode, schematic connection routing has never been so easy and fast.

Integrated Spice A/D mixed mode simulator

Integrated solution

The integrated Pulsonix Spice Simulator option enables designs to be tried and tested at the very earliest stages of design; proofing the design concept up-front thus reducing the need for physical prototypes.

Driven from the Schematic

Driven from within the Pulsonix Schematic environment, our Spice simulator uses the schematic design that will eventually create your PCB. The simulation menu provides advanced options from which to drive the analysis.

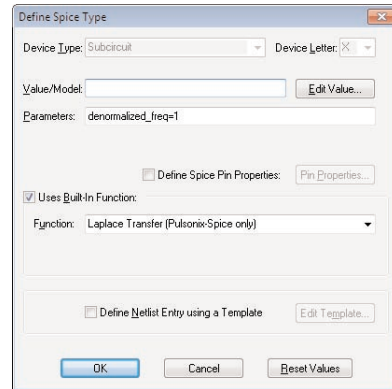
Integrated SCM/PCB library environment

With one library environment, and the same one as your Schematic and PCB designs, all your Parts can be managed using the library manager tools provided. All Spice model details and pin mappings are handled for both homogenous and heterogeneous Parts, thus human errors are minimised.

Comprehensive models

With over 30,000 Spice model library definitions and 6,500 actual models supplied, our default base set is ready to use.

The Parts library interface allows direct model access. During this important Spice phase, essential parameter data can also be assigned to Parts and symbols (in the case of heterogeneous parts).



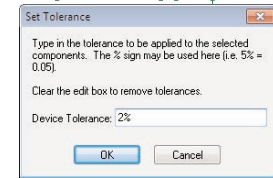
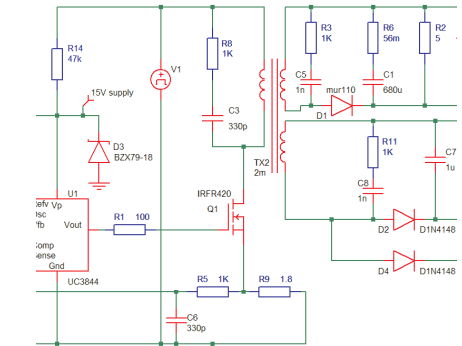
Integrated library management allows models to be defined and essential parameters added

High rate of convergence

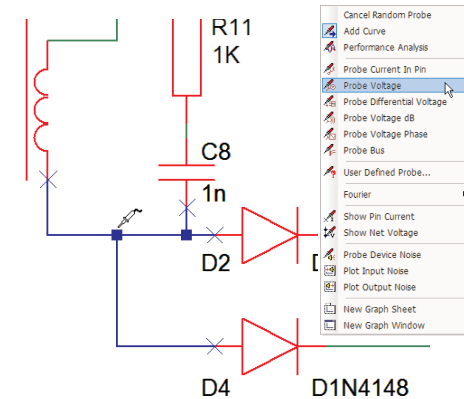
Pulsonix Spice is based on a substantially enhanced version of SPICE 3 and XSPICE. The underlying algorithms have been reworked to provide new analysis modes to improve convergence and speed. In the case of convergence, in trials, Pulsonix Spice out performed 3 well known Spice based products including the market leader.

Random Probing

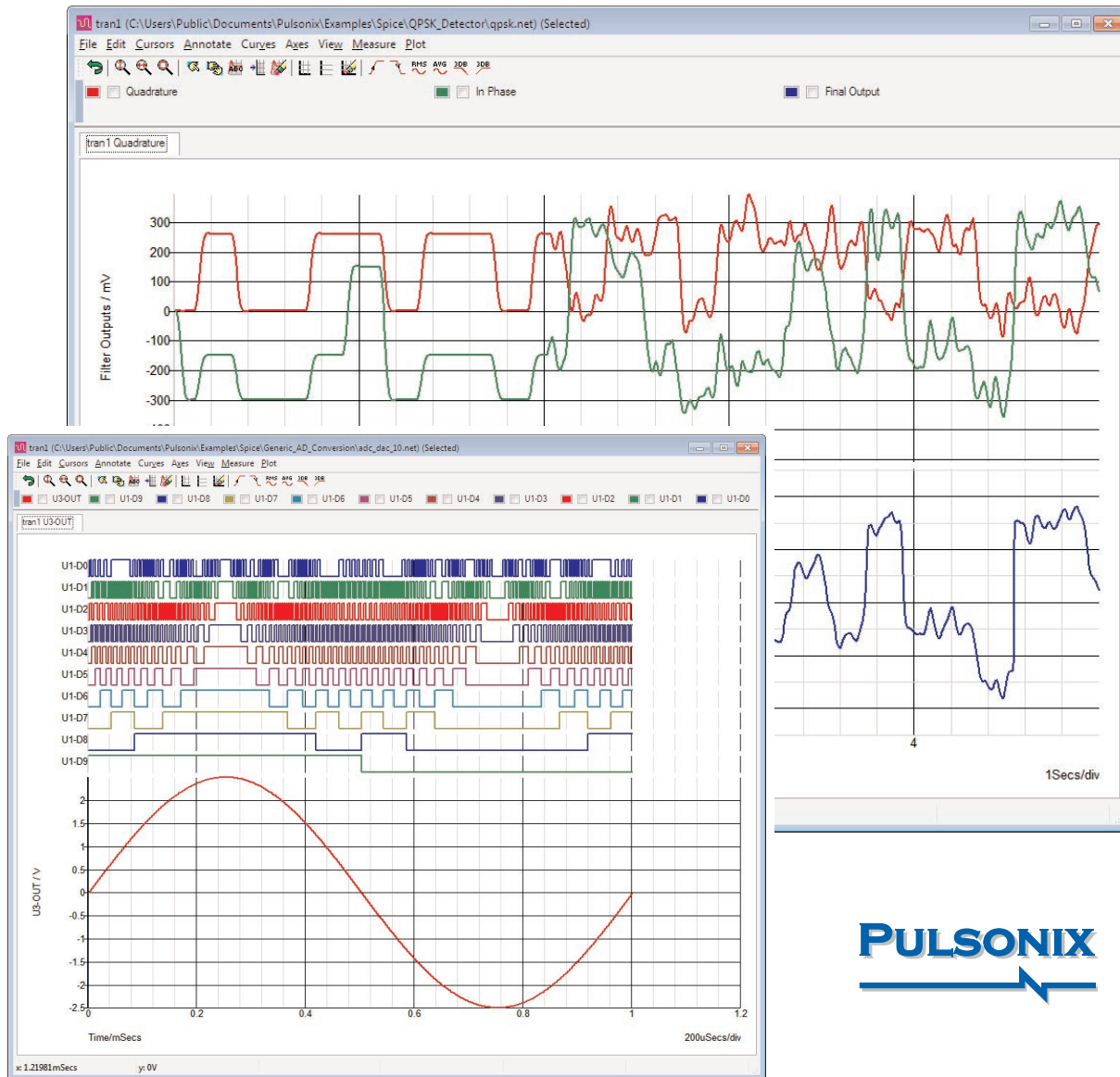
Pulsonix Spice includes post simulation random-probing. Following simulation, graphs of circuit voltages, currents and device powers can be created simply by clicking on a point on the schematic. This avoids the need to re-simulate the circuit each time an additional measurement is required. Alternatively, probes can be permanently fixed to a schematic so that a graph is created and incrementally updated during the simulation.



The Pulsonix Spice Monte Carlo feature is built into the simulator core



Following simulation, graphs of circuit voltages, currents and device powers can be created simply by clicking on a point on the schematic.



Feature Summary

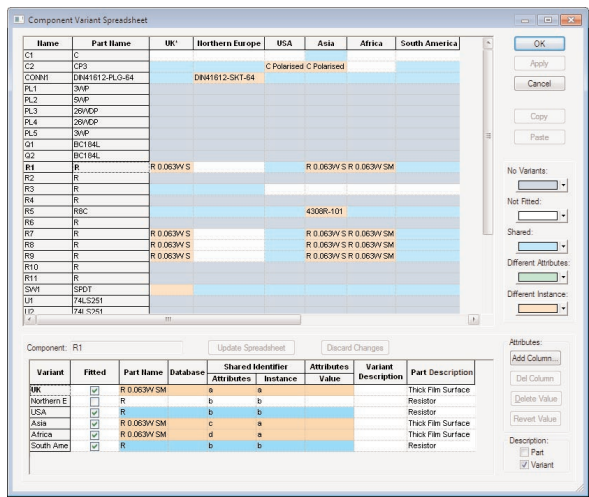
- Integrated into the Pulsonix Schematic Capture design environment
- Dialog driven user interface
- Convergence performance in benchmark trials exceeds results from industry leaders
- True mixed-mode simulation: closely coupled direct matrix (SPICE 3) analogue
- Event driven digital simulator
- Post simulation random probing
- Monte-Carlo and Multi-Step analysis
- Noise analysis
- Transient restart
- Transient Safe Operating Area testing
- Non-linear magnetics with air gaps
- Automatic pseudo transient analysis algorithm for operating point solution
- Variable step GMIN and source stepping
- Dynamic Bias annotation markers
- 30,000 Spice model library definitions and 6,500 actual models supplied
- Drag & drop model addition to the library
- Pulsonix SPICE is compatible with 99% of available SPICE models
- Import standard SPICE models from outside suppliers - many of which can be downloaded from the Internet
- HSpice model file compatibility
- Analyses: operating point, DC sweep, transient, AC small signal, transfer function, sensitivity, pole-zero
- Comprehensive waveform analysis
- User definable scripting language
- Comprehensive user reference guide



Powerful PCB that's easy to setup and use

Design Variants

Using the Variant Manager, easily create any number of variants may be defined at either the Schematic or the PCB design stage. If using the Schematic as the master, the variant information will be automatically transferred to the PCB design. Detailed part variants can be easily created. Pulsonix allows Fitted/Not Fitted, different Part, Footprint, Attributes/Values, and even a different number of footprint pins per Component.



Complex assembly variants to match your global customer base

Custom Pads

Where standard pad shapes don't exist, Pulsonix allows you to create complex pad shapes; even unorthodox shapes such a touch switches where the drill is exposed. Custom pads can be created for any layer or stack.

Constraint Rules

Define and manage your constraint rules using the constraint manager. All rules previously defined in the Schematic editor are seamlessly passed through into the

PCB design ready for use. Net Class and Class to Class parameters can be defined for nets where length and spacing rules need to be restricted.

DFM/DFT

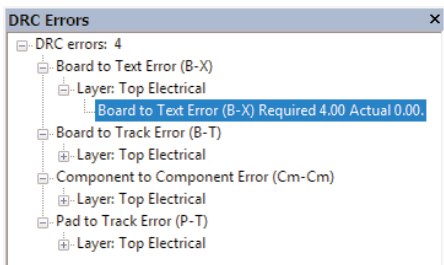
Powerful design rules for manufacturing and test can be defined in addition to Pulsonix' comprehensive set of DRC rules. Following definition, checking is quickly made with all errors and warning displayed in the Errors Rules Panel. Each violation can be easily identified from the sorted list and dynamically reviewed in the design by simply clicking the rule error.

Thermal Rules

Using the Technology manager, add thermal rules for nets, net classes, areas and individual objects. Control over thermal relief on pads is provided for shape, spoke direction, number of spokes and connect/no connect status.

Construction Lines

Unique to Pulsonix, construction lines provide user-definable lines within your design from which to guide your design items. Use construction lines to create complex board outlines or align irregular shapes or design items.



The browser displays the errors by layer and type for easy identification

Curved/Filleted tracks

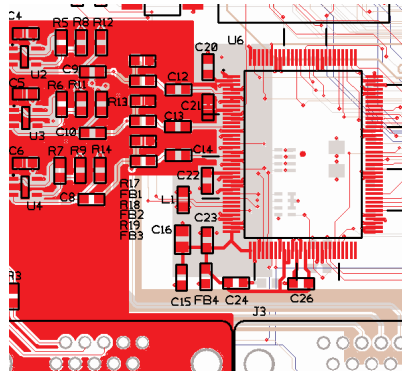
All track shape styles can be changed on-the-fly using the context menu. Change between orthogonal, Angled, Any angle and Curved tracks. Angled tracks can be filleted, blending them between each other. Further blending can be achieved using the teardrop function.

Powerful Report Writer

The powerful Report Maker feature enables complex reports and netlists to be created using the easy-to-use dialog. ASCII-based Pick and Place reports, interfaces to assembly and manufacturing tools can be created with ease.

Standard Manufacturing Outputs

Extensive manufacturing outputs are exported - Gerber, Excellon, ODB+++, Windows, HPGL, IPC-258 I, IPC-356, PDF plus a fully customisable Report Maker interface to create company reports, BOMs, netlists and assembly placement outputs as you require.



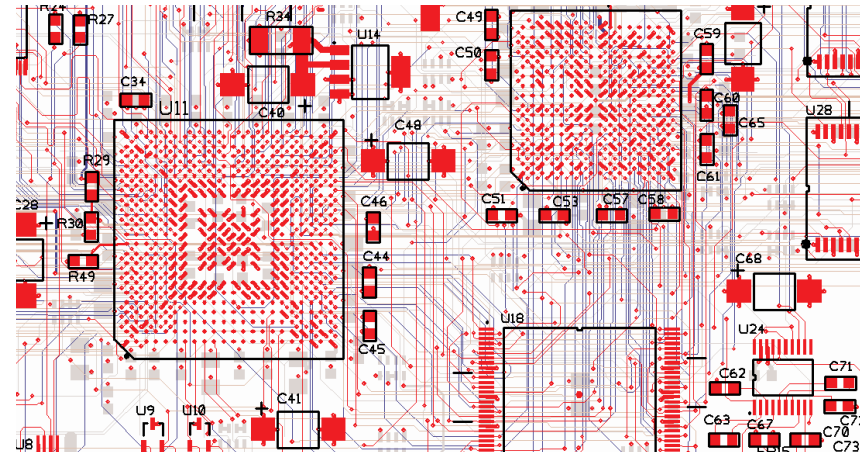
Intricate copper pouring is applied using Technology rules

ECAD-MCAD Co-Design

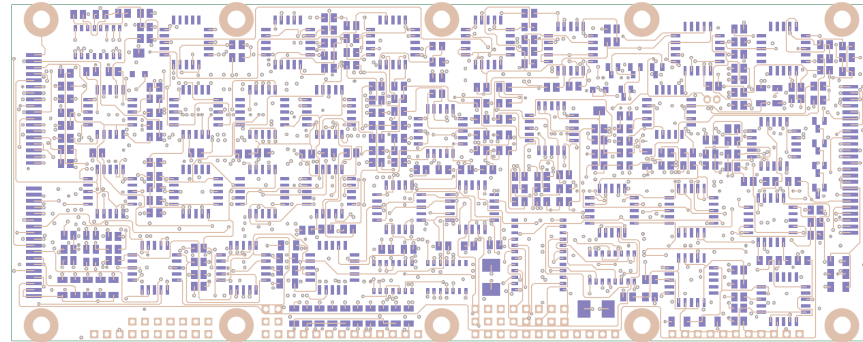
Bridge your MCAD-ECAD flows and design environments with support for IPC-258 I, STEP, DXF and IDF. Where a mechanical interface is required, the bi-directional STEP interface can utilise STEP models and import critical board outlines and positional changes. The STEP exporter will write the board outline out ready to add mechanical data. The built-in STEP previewer allows you to examine and verify the design data before you send it to the MCAD system.

FPGA Integration

As standard, Pulsonix is supplied with a built-in FPGA interface to integrate with the Altera Quartus II or Xilinx ISE development systems.



BGA and FPGA design is facilitated in Pulsonix using the powerful tools available as standard



Advanced auto-place and auto-routing algorithms' accelerate your design flow

“ On Pulsonix, high density boards with 8 layers and 0.3mm micro-vias are being designed as well as power electronics. With an interface to our MCAD system, this has helped us a lot in shortening our development lead-times and is saving the company money. ”

P. Goerlich, Durr Dental GmbH

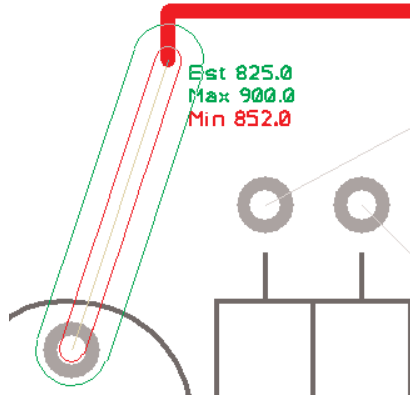
Interactive High Speed design

Constraint Driven Design Rules

Pulsonix delivers a powerful set of constraint rules-driven interactive High Speed design features. Conceived from the Schematic, the design is defined by the engineer during the early logical capture phase. All constraint rules are passed to the PCB design automatically where they are implemented using graphical guidance to ensure the layout is correct.

Interactive Length Indicators

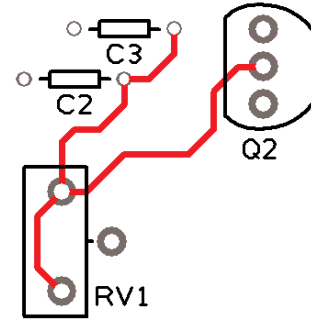
During track routing, the interactive display shows an 'oval' around the area to be routed indicating whether the track is within the minimum or maximum rule limits you have defined. A colour coded and text-based head-up display shows whether you are working within the constraint rules. The exact rule defined is also shown in the head-up display for pin-to-pin and track length rules as well as the actual track path being routed and an estimate of the final track length.



Coloured graphical and head-up displays show you progress of track routing
Coloured graphical and head-up displays show you progress of track routing

Pin-to-Pin & Daisy Chain Routing

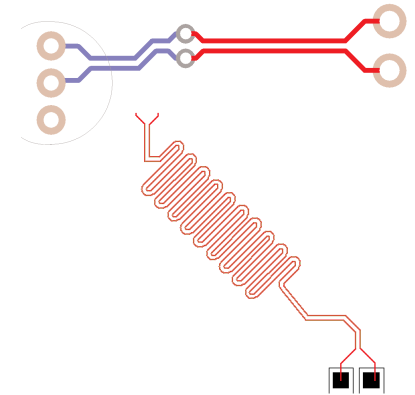
By editing Net Classes you can create specific track sequences using pin-to-pin rules; rules for min/max pin-to-pin length and the overall track length. Where the exact net path required is critical daisy-chain routing gives you precise control to determine the sequence. Once defined, these rules are used during routing and can be further checked using the DRC Manufacturing feature.



Pin to pin and Daisy Chain rules enable critical net paths to be defined

Differential Pair Routing

The advanced constraint rules allow Differential Pairs to be created easily and quickly. The two net pairs are routed interactively from their source using a dual path for both tracks and utilising an optional spacing rule between them to keep separation exact. The Differential Pairs may have rules that define how much they are allowed to differ in length once completed and what the minimum percentage of the overall length is allowed to deviate away from being



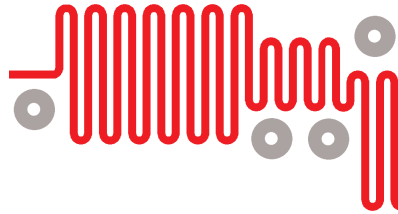
Differential Pairs are easily created for track pairs and serpentine route paths

Serpentine Routing

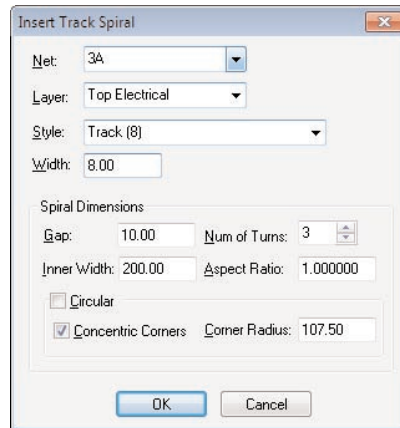
Serpentine Routing enables you to increase the length of high speed nets following your constraint rules without introducing spacing errors and without manual intervention. Using the Serpentine Routing command you can define additional constraint parameters, such as the amplitude and separation of each loop, the number of loop cycles to insert, and the amount of additional length required.

Interactive Spiral Tracks and Shapes

The High Speed option also contains RF design features. Advanced Spiral creation is supported for copper; tracks and shapes. These can be used on electrical and non-electrical layers as required. When created as tracks or copper, they can also be connected to as part of a net. Full DRC checking to these items is also permitted. Spirals can be associated with pads and vias within a footprint and reused on multiple designs. Complex spirals can also be used to create components such as planar transformers for use through multi-layer and Embedded Component technologies.



Complex serpentine routing can be easily defined and constructed



Spirals for your design and footprints are created using dialog driven rules

RF Design features

As part of the RF design suite, Pulsonix provides essential features to facilitate this; square-ended tracks and chamfered track corners. Both features are enabled on a Net Class basis to allow control of these features. Square-ended tracks provide precise track ends when an 'open-ended' square end is required without the use of a square landing pad to achieve this. Chamfered corners allow a traditional 45-degree inside and outside mitre to contain a 90-degree inner corner and 45-degree outer corner, ideal for RF designs.



Feature Summary

- Differential pair definition and routing
- Interactive routing of track pairs
- Pattern control for vias
- Track length rules
- Pin-to-Pin rules
- Maximum Length deviation rule
- Net length rules during routing
- Dynamic display of Min/Max rules
- Head-up of rules in text and updating
- Graphical net length indicators
- Min/Max Track length rules
- Min/Max Pin-to-Pin Track length rules
- Net Track length differences rule
- Conditional Track length Min/Max rules
- Daisy chain Pin-to-Pin topology rules
- 90 and 45 degree serpentine routing
- Spiral creation using intelligent rules
- Circular/square spiral shapes
- Square-ended tracks
- Chamfered track corners for true RF mitres

Corporate Database Access for Pulsonix

Industry Standard ODBC Connection

PDC connects to manufacturing, engineering and corporate databases using any ODBC connection. It allows access to many databases and other storage formats such as MS Access, MS Excel, CSV, TXT, DBase, Fox, Sage, MySQL and SQLServer for example.

Configuration

A graphical interface provided is used to configure the system with easy mapping between the 'host' data fields and Pulsonix attribute fields. Configuration allows critical fields to be defined and checked. Critical fields are those which when checked, must be the same as the database and not 'local' values. A tool to migrate Pulsonix Part data to the database format is also supplied.

Parametric Searching

Within Pulsonix, up-to-date Parts can be identified from the central database using powerful SQL parametric search criteria from drop-down list selections. Searching

using a number of search parameters will quickly locate suitable Part candidates from the database which you can then further refine to identify the exact Part you require.

Supply of Database

Where you wish to use this exciting product but an existing company database does not exist, the purchase of a 'ready-made' template database is possible. The database is supplied in configured and populated format ready to use and make your own additions to.

Management Tools

PDC is run from a centralised database resource. The system administrator is able to manage database access and read/write permissions for each user using standard server admin rights. Additional library management control facilities are available when using the PDC with floating Pulsonix licenses.

Consultancy

We, at Pulsonix, understand the power of consultancy and are therefore able to offer a consultancy service for various aspects of the database integration, including data migration, setup, Part creation and system administration services.

Database Connection Setup

Database Connection Configuration File
C:\Program Files (x86)\Pulsonix85\DatabaseConnection.docc

Connection Type: Access

Path Name: D:\Documents\Support\Reference\Designs\Parts Databases\Parts.mdb

User Name:
Password:

Database Tables and Mappings

☐ Specify which tables are visible to searches
☒ Define table properties and field mappings

Table Name: Capacitor
Key Field: PART_NUMBER
Partname Field: PARTNAME

Apply To All Tables

Field Name	Show	Map To	Load	Critical	Hyperlink	Interpret As
PARTNAME	<input checked="" type="checkbox"/>	PARTNAME	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PART_NUMBER	<input checked="" type="checkbox"/>	PART_NUMBER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VALUE	<input checked="" type="checkbox"/>	VALUE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TOLERANCE	<input checked="" type="checkbox"/>	TOLERANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
POWER	<input checked="" type="checkbox"/>	POWER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VOLTAGE	<input checked="" type="checkbox"/>	VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MFR	<input checked="" type="checkbox"/>	MFR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CATEGORY	<input checked="" type="checkbox"/>	CATEGORY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IN_STOCK	<input checked="" type="checkbox"/>	IN_STOCK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C11DDI #P	<input type="checkbox"/>	C11DDI #P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Alternative 'Map To' Attribute for Partname:

Connect to your manufacturing/engineering/corporate database and choose key tables and critical fields to use

Database

Settings: Auto Save ☐ Open... Save As... Reset Synchronise

Look In: Capacitor Found 51 items Search

Field Operator Value Value2

☒ TOLERANCE = 10%

☒ =

Add to Design Add to Bin Update Setup... Fit Cols Help Next Symbol Next Footprint

PARTNAME	PART_NUMBER	VALUE	TOLERANCE	POWER	VOLTAGE	MFR	CATEGORY	IN_STOCK	SUPPLIER
08055C102KATDA	08055C102KATDA	1000pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C103KATDA	08055C103KATDA	10000pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C104KATDA	08055C104KATDA	100000pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C222KATDA	08055C222KATDA	2200pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C223KATDA	08055C223KATDA	22000pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C332KATDA	08055C332KATDA	3300pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C333KATDA	08055C333KATDA	33000pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C471KATDA	08055C471KATDA	470pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C472KATDA	08055C472KATDA	4700pf	10%		50	AVX	Capacitor/SM/Ceramic	1	RS COMPONENTS
08055C473KATDA	08055C473KATDA	47000pf	10%						
08505G1042ZTDA	08505G1042ZTDA	100000pf	10%						
0603YC104KATDA	0603YC104KATDA	100000pf	10%						
0805YC334KATEA	0805YC334KATEA	330nf	10%						
0805YC474KATEA	0805YC474KATEA	470nf	10%						
0805ZC105KATEA	0805ZC105KATEA	1uf	10%						
06033C223KATDA	06033C223KATDA	22000pf	10%						
06033C473KATDA	06033C473KATDA	47000pf	10%						
06035C102KATDA	06035C102KATDA	1000pf	10%						
06035C103KATDA	06035C103KATDA	10000pf	10%						
06035C222KATDA	06035C222KATDA	2200pf	10%						
06035C332KATDA	06035C332KATDA	3300pf	10%						

Record 1

Capacitor New Search...

C14

1000pf

Database Check

Choose Items to Check:

☒ All Components

☐ Selected Components

Update Design from Database

☐ Allow Update of Design to Match Database

☐ Update Component Attributes

☐ Update Local Component to Database

Choose What to Check:

☒ Components using Local Parts

☒ Attributes Different To Database

☒ Check Critical Attributes

☒ Check Normal Attributes

☒ Associated Parts

Reporting Results

☒ Highlight Components

☒ Highlight Components using Local Parts

☒ Highlight Mismatched Components

☒ Write Report

☒ View Report on Completion

Save/Load Settings

Load... Save... Clear

The Pulsonix Database Connection (PDC) option provides instant access to database driven Parts

Check Parts in your design against critical key fields in your database

Feature Summary

- Connects to corporate database
- Uses an industry standard ODBC
- Allows access to many databases and other storage formats such as MS Access, MS Excel, CSV, TXT, Dbase, Fox, Sage, MySQL and SQLServer
- Integrated environment within Pulsonix
- Centralised database resource
- Configuration mapping of data fields
- Migration tool available for Parts libraries
- Add Parts from SCM and PCB designs
- Powerful parametric searching
- Refine searching from 'rough' searches
- Preview windows shows both SCM Symbol and PCB Footprint
- Part analysis of design items to database
- Report 'local' Parts not in the database
- Check selected Parts or whole design
- Update design based on critical fields
- Option update design based on mismatched non-critical fields



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