



Bartels AutoEngineer®

Version 7.6

Highlights

This document contains illustrated information about some of the new features introduced with **Bartels AutoEngineer Version 7.6**.

Bartels AutoEngineer Version 7.6 Highlights

Published by: Bartels System GmbH, Erding

Last printing: October 2010

The information contained in the **Bartels AutoEngineer** publications as well as the products and/or programs described therein are subject to change without notice and should not be construed as a commitment by Bartels System.

Although Bartels System has gone to great effort to verify the integrity of the information provided with the **Bartels AutoEngineer** publications, these publications could contain technical inaccuracies or typographical errors. Bartels System shall not be liable for errors contained therein or for incidental consequential damages in connection with the furnishing, performance or use of this material. Bartels System appreciates readers' and/or users' comments in order to improve these publications and/or the products described therein. Changes are periodically made to the information therein. These changes will be incorporated in new editions of the **Bartels AutoEngineer** publications.

All rights reserved. No part of the **Bartels AutoEngineer** publications may be reproduced, stored in a retrieval system, translated, transcribed or transmitted, in any form or by any means manual, electric, electronic, electromagnetic, mechanical, chemical, optical or otherwise without prior express written permission from Bartels System.

Bartels AutoEngineer®, **Bartels Router®** and **Bartels Autorouter®** are registered trademarks of Bartels System.

Bartels User Language™ and **Bartels Neural Router™** are trademarks of Bartels System. All other products or services mentioned in this publication are identified by the trademarks or service marks of their respective companies or organizations.

Copyright © 1986-2010 by Oliver Bartels F+E

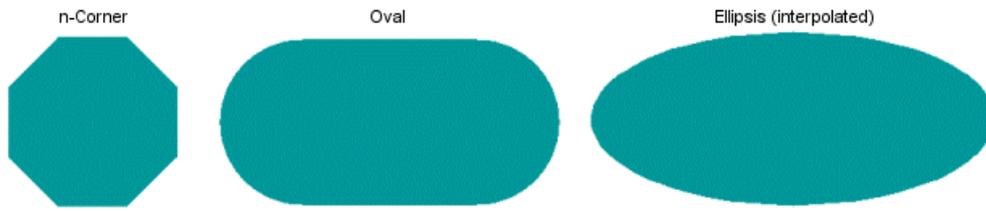
All Rights Reserved

Printed in Germany

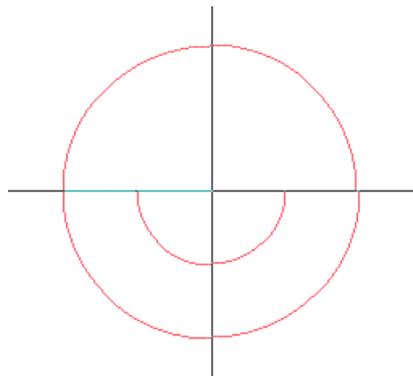
Contents

Bartels AutoEngineer® Version 7.6 Highlights	1
Additional Polygon Types supported by Draw Assistant	5
Arc Direction Polygon Edit Marker	5
Polygon Corner/Segment Drag & Drop Edit Mode	5
Windows Tooltips with Toolbar Data Display	6
Group and Error Highlight with Display Patterns	6
Symbol Move with Unroutes Display Option	6
“Add Text” Dialog with Text Properties Input Controls	7
Multiline Text Editor in p-Key Dialog	8
Symbol/Part Pin List in p-Key Dialog.....	8
PDF Output with Symbol/Part Notes.....	9
Layout Colour Palette extendend to 512 Colours.....	9
Layout Group Autoplacement according to Schematics (BAE HighEnd)	9
Autorouter Functions integrated to the Layout Editor	10
Automatic Drill Plan Generation with Drill Legend.....	10

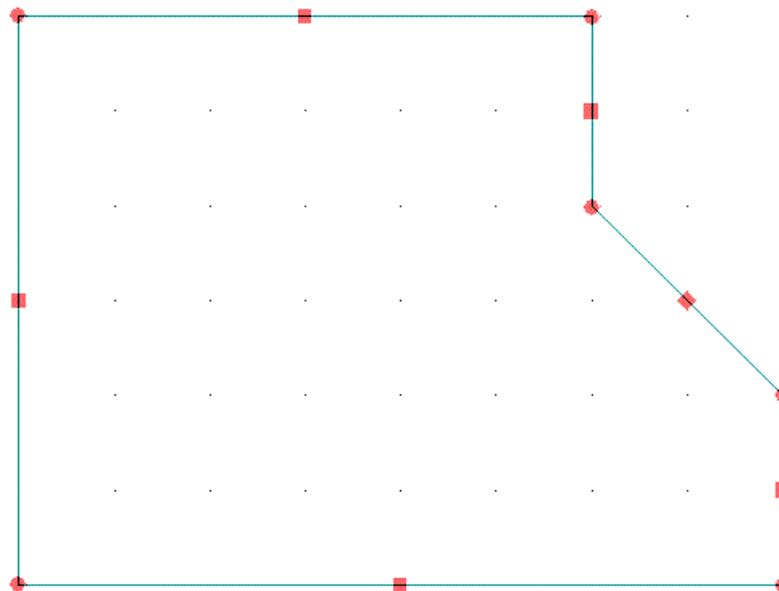
Additional Polygon Types supported by Draw Assistant



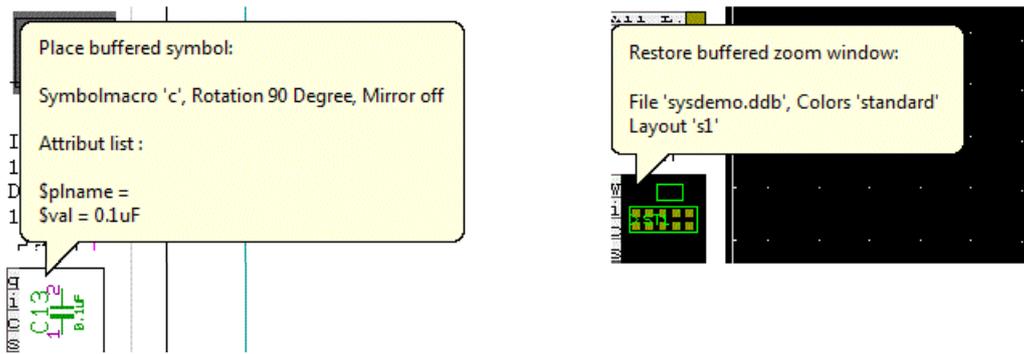
Arc Direction Polygon Edit Marker



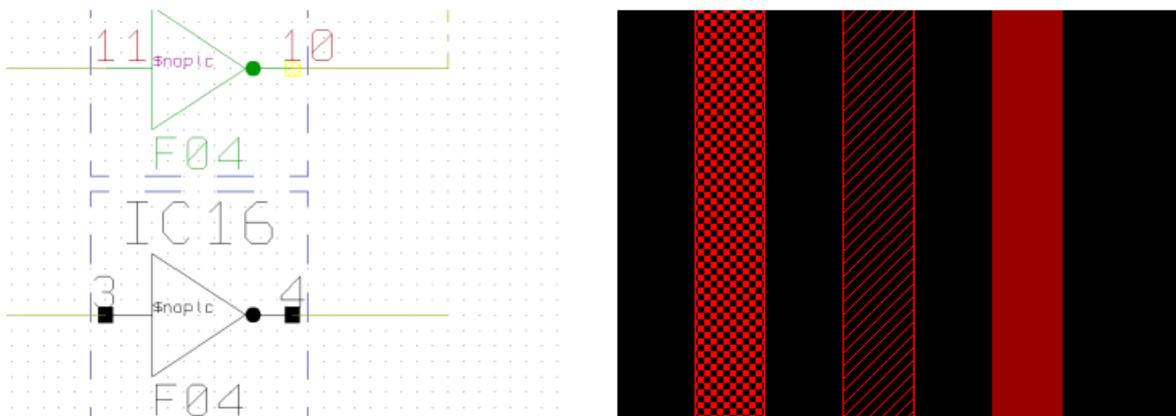
Polygon Corner/Segment Drag & Drop Edit Mode



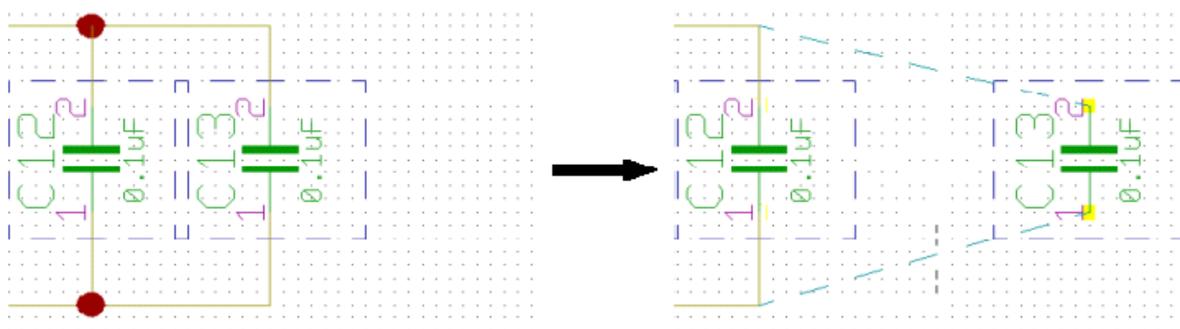
Windows Tooltips with Toolbar Data Display



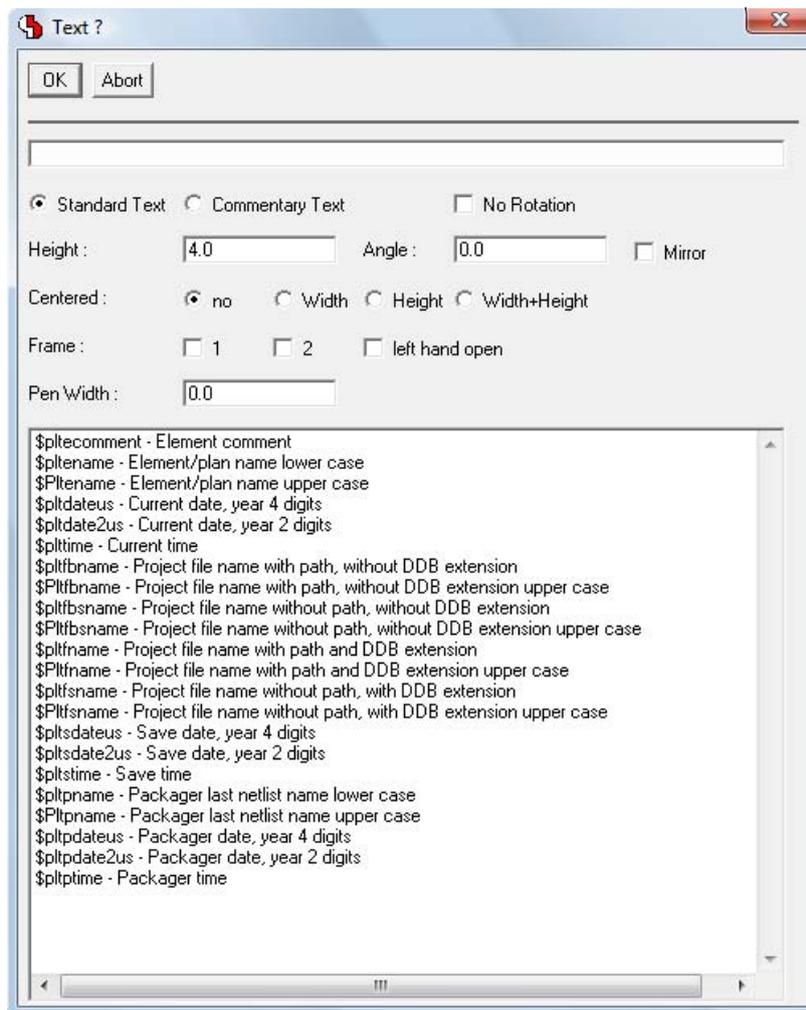
Group and Error Highlight with Display Patterns



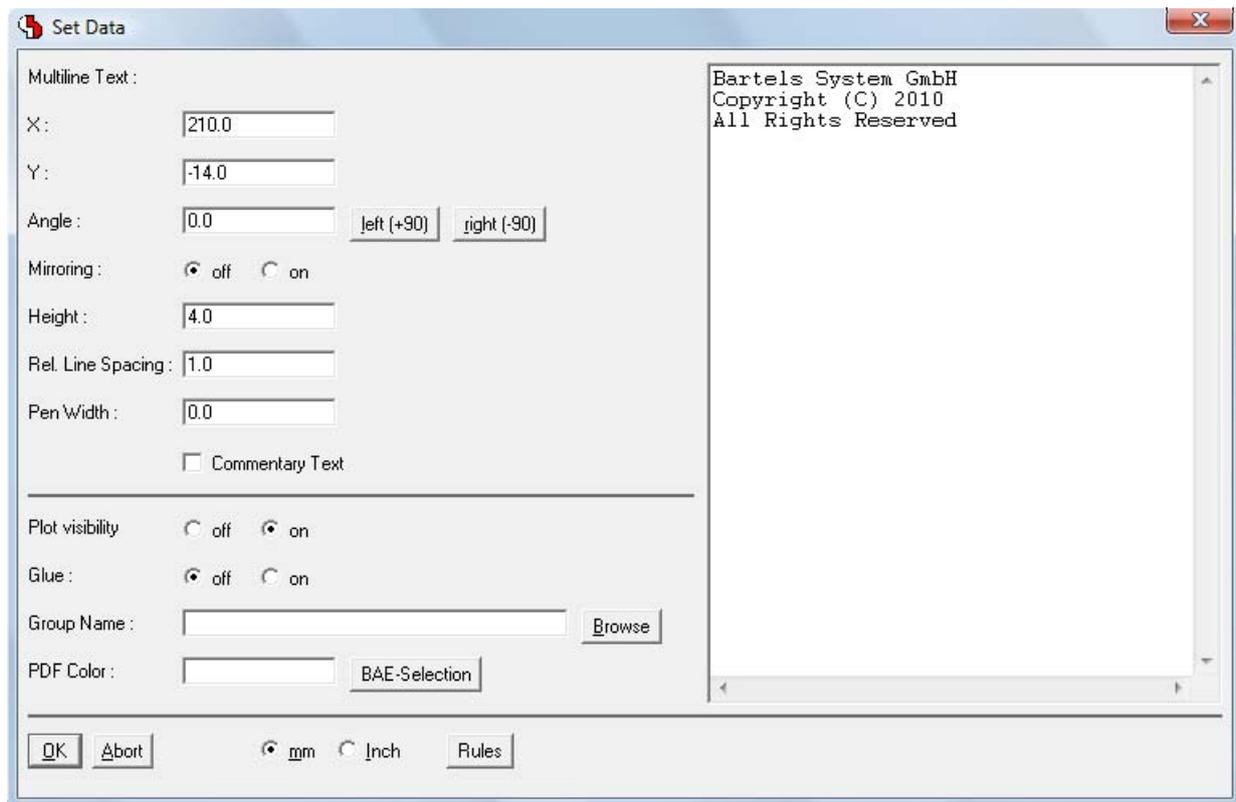
Symbol Move with Unroutes Display Option



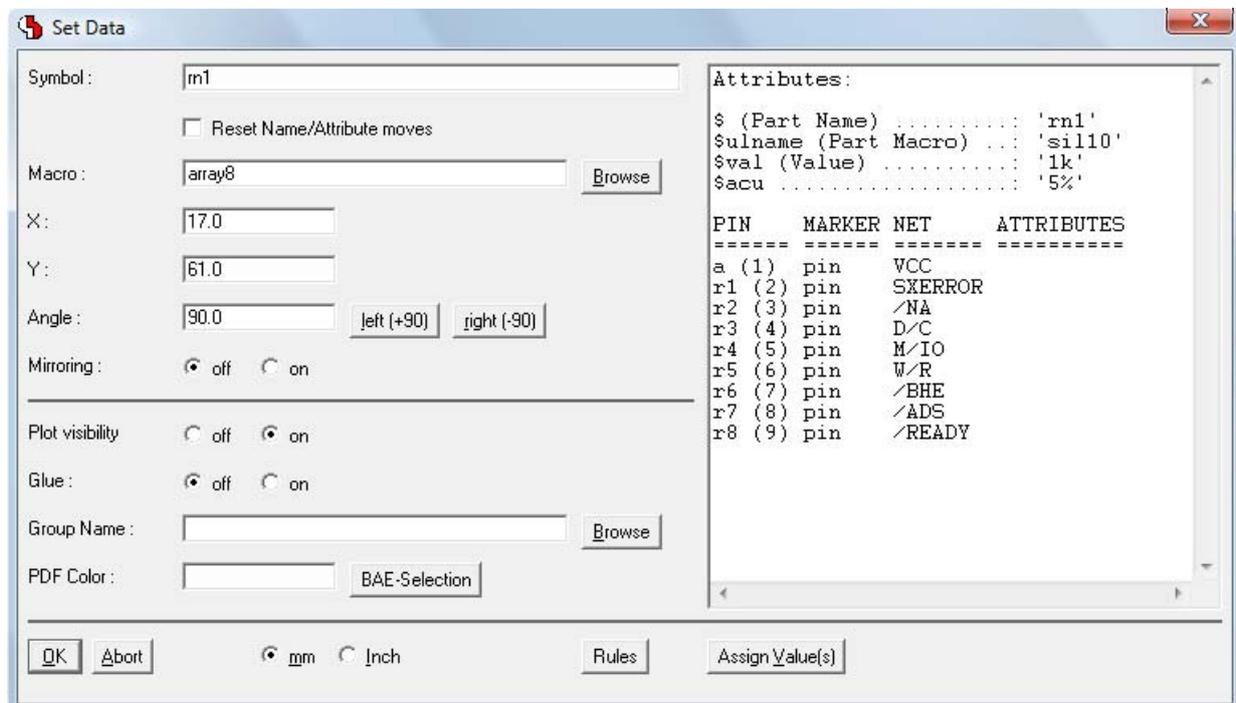
“Add Text” Dialog with Text Properties Input Controls



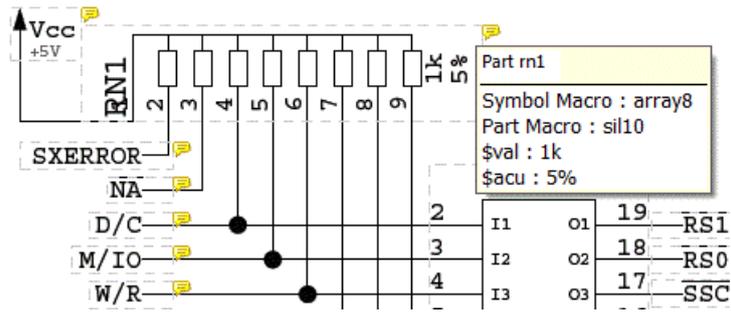
Multiline Text Editor in p-Key Dialog



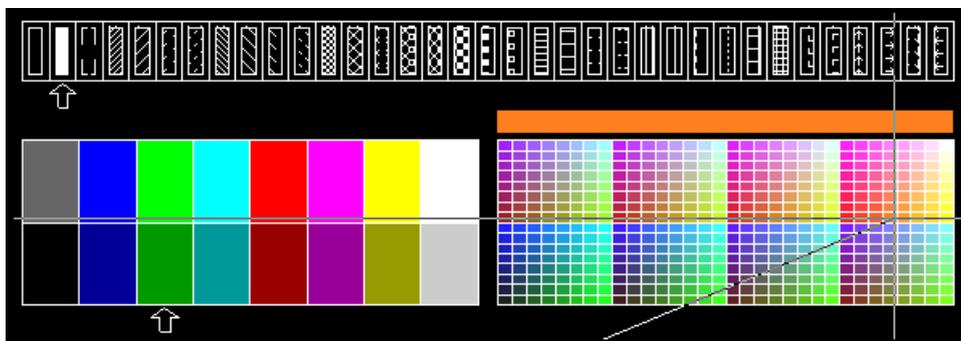
Symbol/Part Pin List in p-Key Dialog



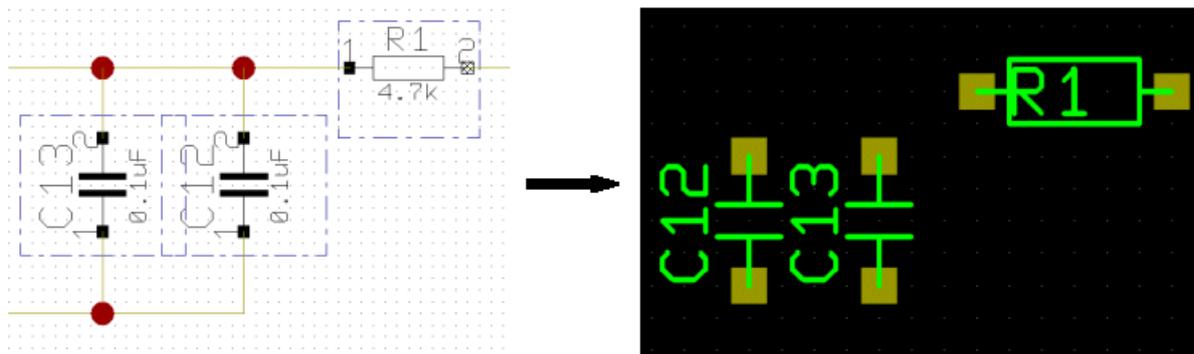
PDF Output with Symbol/Part Notes



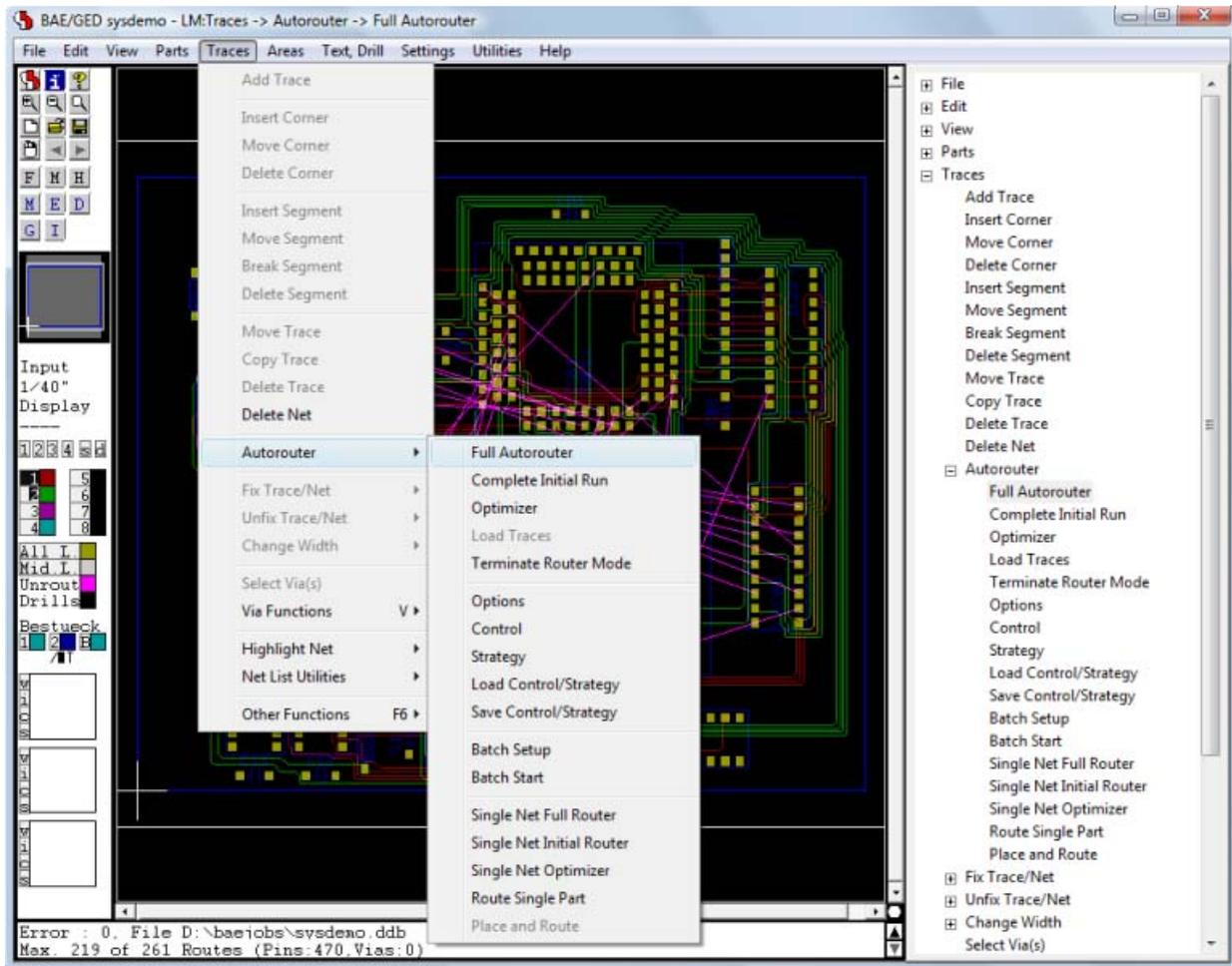
Layout Colour Palette extendend to 512 Colours



Layout Group Autoplacement according to Schematics (BAE HighEnd)



Autorouter Functions integrated to the Layout Editor



Automatic Drill Plan Generation with Drill Legend

Total Drill Count : 83

A - 0.5mm	27 Drills
B - 0.8mm	3 Drills
C - 0.9mm	50 Drills
D - 1.0mm	1 Drills
E - 1.6mm	2 Drills

The diagram shows a PCB layout with various drill sizes labeled as A, B, C, D, and E. The labels are distributed across the layout, indicating the locations of the drills. The drill sizes correspond to the legend provided on the right.

Please see the **Bartels AutoEngineer® Version 7.6 Release Notes** for a detailed description of all new features introduced with Bartels AutoEngineer Version 7.6 features.