



**DS0066**  
**BOM with Mfg Part Numbers & Ref. Designators**



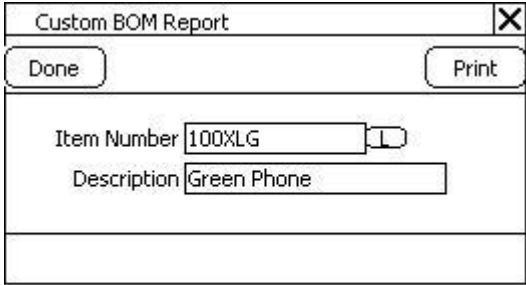

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## Problem Definition

<b><i>Problem Definition</i></b>	<b>CCDA</b>																																								
<p>ACME Co. needs a BOM report that shows first level components, and the reference designators and manufacturer's part numbers for each component.</p> <p>The report should have a general layout similar to this:</p> <table border="0"> <tr> <td>Parent Part</td> <td>Item Description</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    Component Part</td> <td>Item Description</td> <td>QTY</td> <td>UOFM</td> <td></td> </tr> <tr> <td></td> <td>Manufacturers Part Numbers:</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>    MPN 1</td> <td>Manufacturer 1</td> <td></td> <td></td> </tr> <tr> <td></td> <td>    MPN 2</td> <td>Manufacturer 2</td> <td></td> <td></td> </tr> <tr> <td></td> <td>    MPN 3</td> <td>Manufacturer 3</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Reference Designators:</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Ref des 1</td> <td>ref des 2</td> <td>ref des 3</td> <td>ref des 4    etc.</td> </tr> </table>	Parent Part	Item Description				Component Part	Item Description	QTY	UOFM			Manufacturers Part Numbers:					MPN 1	Manufacturer 1				MPN 2	Manufacturer 2				MPN 3	Manufacturer 3				Reference Designators:					Ref des 1	ref des 2	ref des 3	ref des 4    etc.	
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## Design Features

<b>BOM Report</b>	<b>CCDA</b>								
<p>A new report will be added to Dynamics GP that is accessed from two locations:</p> <ul style="list-style-type: none"> <li>• Bill of Materials Entry: Extras &gt;&gt; Additional &gt;&gt; Custom BOM Report</li> <li>• Reports &gt;&gt; Inventory &gt;&gt; Custom BOM Report</li> </ul> <div data-bbox="470 610 991 893" data-label="Form">  </div> <p data-bbox="506 914 737 941">  = Lookup Button         </p> <table border="1" data-bbox="191 1008 1272 1196"> <thead> <tr> <th>Field</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Item Number</td> <td>When opened from Bill of Material Entry the Item Number will auto-fill from the item displayed on BOM Entry. The user can also manually enter an item or use the Lookup.</td> </tr> <tr> <td>Description</td> <td>Fills from Item Master</td> </tr> <tr> <td>Print</td> <td>Executes the report</td> </tr> </tbody> </table> <p>The report layout will be similar to what is shown above in the Problem Definition section.</p> <p>The Reference Designators will print in columns. We will determine during design time how many columns can reasonably fit across the page, so it may be more or fewer than what is</p>	Field	Function	Item Number	When opened from Bill of Material Entry the Item Number will auto-fill from the item displayed on BOM Entry. The user can also manually enter an item or use the Lookup.	Description	Fills from Item Master	Print	Executes the report	
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Print	Executes the report								

<p>shown here. The Reference Designators will fill across the page into the number of available columns, the wrap to a new line if needed.</p> <p>This will report will be generated using a Quick Report. This is a special type of Dynamics GP report that is generated at print-time completely through code. In contrast to a report like a Sales Invoice, which has a Report Form that can be altered using Modifier, a Quick Report does not exist as a report form.</p> <p>We are suggesting the use of a Quick Report due to the complex layout required by the custom BOM—having 2 “detail” sections, where one section has repeating columns running across rather than down a page. This type of layout is very difficult to achieve with a standard GP report, and better suited to the flexibility provided by dynamically generating the report through code.</p>	
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