Applications Interactive Block Diagrams

User Guide
Interactive Block Diagrams

- Interact with block diagrams for a wide variety of applications.
- View and select ON Semiconductor devices which are functionally specific for each block.
- Create a Word summary document containing a listing of devices you have selected for each block in the block diagram. Links to each datasheet are provided.
- Print the document, if desired.
From onsemi.com home page, click on the APPLICATIONS tab or scroll on the SOLUTIONS slider.
Choose your Applications category of interest. For this example, we will CLICK Consumer & Portable.
Consumer & Portable Home Page

Consumer & Portable Interactive Block Diagrams are listed in the top pane.
For this example, we will CLICK >> Set Top Box.
Block Diagram

GREEN blocks list ON Semiconductor devices that are functionally specific to that block.

NEW means there are devices in this block which were introduced within the last 90 days.

For this example, MOUSE OVER the ‘Clock Generation’ functional block.
A menu will list the various part types that are commonly used for this block function. Several part types may be listed.

For this example, we will CLICK Clock Generation > PLL Clock Generators.
Device Selection

PLL Clock Generators which are appropriate for this application are listed.

SORT and FILTER each column to narrow your selections.

CLICK the Select box for each choice.

Note each selection is highlighted.
Device Selection

CLICK the ‘Add to Worksheet’ button.

Your selections will be saved for the creation of the final Worksheet and you will be returned to the block diagram to complete the process for the other blocks.

Or CLICK here to return to the block diagram at any time.
Finish Device Selections

CLICK on other GREEN blocks and follow the same procedure.
Creating the Output Worksheet

Enter information here. This will appear in the header of the Worksheet. You may leave blank, if you wish.

Your selections are listed here. You may uncheck boxes or return to the block diagrams to add others.
Creating the Output Worksheet

When complete, CLICK ‘Create Worksheet’ at bottom
Creating the Output Worksheet

‘Worksheet’ may be opened immediately or saved to your hard drive.

CLICK ‘Open’ and Word will be launched and your Worksheet will appear.
'Worksheet' is automatically created. This is a fully editable Microsoft Word document. Page 1 is shown.

Header information and logos appear at the top of page 1.

Block diagram shows next.
### Worksheet

<table>
<thead>
<tr>
<th>Part Types Used</th>
<th>Selected Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Amp</td>
<td>XCF350DAM50</td>
</tr>
<tr>
<td>Audio Filter</td>
<td>XLE3250NJL</td>
</tr>
<tr>
<td>Audio Switch</td>
<td>XBS411BS4700</td>
</tr>
<tr>
<td>Clock Generation</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>Code/Modes</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>Voltage Regulator</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>DC/DC Converters</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>Transistors</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>Relays</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>NAND Gates</td>
<td>XBR3201JFBR13</td>
</tr>
<tr>
<td>Notes</td>
<td>XBR3201JFBR13</td>
</tr>
</tbody>
</table>

**Block list with Selected Parts list appears on the next 1 or 2 pages.**

Note each Selected Part has a hyperlink to its Web product page, providing easy access to datasheet and other information.

**Notes section appears last. You may use this area as desired.**
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