<http://communities.mentor.com/mgcx/docs/DOC-2089>

How To: Configure and Customize a Wire List Report

版本 2  [单击查看文档历史记录](http://communities.mentor.com/mgcx/docs/DOC-2089/diff?secondVersionNumber=2)

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**Introduction**

Wire Reports are used to report on the wire content in a Logical, Integrator, or Harness design. Their content and style varies from one application to another. A Wire Cut List for example is used to feed a cutting machine and hence needs to be configured for that specific purpose.

CHS offers great flexibility in this area by giving the user the ability to control content and style of wire reports through a *Configurable Wire List* report present among the in-tool embedded reports.

This document describes how to configure this report so it will be customized to your particular application and style.

**Configuration File**

A configuration file is used to set up the report contents (columns to include) as well as the style (table layout, etc.). Present inside C:\MentorGraphics\CHS\reporter\templates\embedded, there is a file under the name of config.XML. XML (Extensible Markup Language) is a structured file format so it’s easy to understand what each line or “tag” is supposed to do and at what level. From within this file, the content and style are defined.

**Configuration Steps:**

1. Scroll to one of three sections corresponding to the 3 design tools; Capital Logic, Capital Integrator, or Capital HarnessXC

2. Set the report title and style sheet to be used. The style sheet is an XSL file that can be edited in Microsoft Excel.

3. Set the table title

4. Configure the attributes/properties that need to be shown

5. Configure the attributes and properties that need to be shown for the components that are added on the first Wire End of the wire – “start”

6. Configure the attributes and properties that need to be displayed for the connector connected to “start” (Wire End)

7. Configure the attributes and properties that need to be displayed for the connected pin to “start” (Wire End)

8. Repeat the procedures 5–7 for the second Wire End of the wire – “end”

Now if you generate the wire from the main menu Tools > Reports… then choosing Confiugured Wire List, the report will contain the configured columns in the style dictated by the specified stylesheet.

定制化数据如下

- <!--

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- <!--

Apart From attributes in IXWire section of “<PRODUCT\_HOME>\doc\plugin\chsapi\AttibuteList.html” file , below attribute on wire can also be used to take report

For Logic Design : Project, Design, DesignDescription, DesignRevision, Description, Status,TypeCode, RevisionStatus, Multicore

For Harness Design: Project, Design, DesignDescription, DesignRevision, Description, Status,TypeCode, RevisionStatus, Multicore, HarnessDesignPartNumber, NumberOfWireMarkers, Signal, HarnessLevels, NumCenterStripSplices, CenterStrip, , End1, End2, Spaced, Middle

For Integrator Design: Project, Design, DesignDescription, DesignRevision, Description, Status ,TypeCode, RevisionStatus, Multicore, Signal, HarnessLevels, NumCenterStripSplices, CenterStrip

For list of attributes under component tag IXDevice, IXSplice section of the AttributeList.html can be used.

For list of attributes under Connector tag IXConnector section of AttributeList.html can be used.

For list attributes under Pin tag IXCavity, IXDevicePin and IXSplicePin section of AttributeList.html can be used.

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <reports>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <report title="**Configured Wire List**" type="**Logic**" stylesheet="**report.xsl**">

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <table title="">

- <!--

An attribute Named "Name"

-->

<attribute title="**Design**" value="**Design**" />

<attribute title="**Circuit\_Name**" value="**Name**" />

<attribute title="**WireCSA**" value="**WireCSA**" />

<attribute title="**WireColor**" value="**WireColor**" />

<attribute title="**WireSpec**" value="**WireSpec**" />

<attribute title="**Option**" value="**OptionExpression**" />

<attribute title="**Circuit\_PN**" value="**PartNumber**" />

<attribute title="**Harness**" value="**Harness**" />

<attribute title="**Multicore**" value="**Multicore**" />

<attribute title="**Type**" value="**MaterialDescription**" />

- <!--

A property Named Signal

-->

<property title="**Signal**" value="**Signal**" />

- <!--

Remove the coments to get the multicore attributes and properties

<multicore>

<attribute title="Multicore Name" value="Name"/>

<attribute title="Multicore Type" value="SheathType"/>

</multicore>

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <wireendexpression>

- <!--

expressions that are applicate to the ends of wires

-->

- <!--

Start of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <start>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <component>

- <!--

Devices, splices

-->

<attribute title="**From\_Device**" value="**Name**" />

</component>

- <!--

If no connector element is specified, then component element itself will act as a connector

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**From\_Conn**" value="**Name**" />

<attribute title="**Conn\_PN**" value="**PartNumber**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin1**" value="**Name**" />

<property title="**Plating**" value="**Plating**" />

- <!--

if connected=true, it will be evaluated on the pin mated to the directly connected pin of wire

-->

<attribute title="**MatedPin1**" value="**Name**" connected="**true**" />

</pin>

</start>

- <!--

End of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <end>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <component>

- <!--

Devices, splices

-->

<attribute title="**To\_Device**" value="**Name**" />

</component>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**To\_Conn**" value="**Name**" />

<attribute title="**Conn\_PN**" value="**PartNumber**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin2**" value="**Name**" />

<property title="**Plating**" value="**Plating**" />

<attribute title="**MatedPin2**" value="**Name**" connected="**true**" />

</pin>

</end>

</wireendexpression>

</table>

</report>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <report title="**Configured Wire List**" type="**Harness**" stylesheet="**report.xsl**">

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <table title="">

- <!--

An attribute Named "Name"

-->

<attribute title="**Name**" value="**Name**" />

- <!--

Remove the coments to get the multicore attributes and properties

<multicore>

<attribute title="Multicore Name" value="Name"/>

<attribute title="Multicore Type" value="SheathType"/>

</multicore>

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <wireendexpression>

- <!--

expressions that are applicate to the ends of wires

-->

- <!--

Start of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <start>

- <!--

If no connector element is specified, then component element itself will act as a connector

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**PNConnector1**" value="**PartNumber**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin1**" value="**Name**" />

</pin>

- <!--

Remove the comment to get the wire end attributes.

<wireend>

<attribute title="Terminal Material Code" value="TerminalMaterialCode" />

<attribute title="Terminal Type Code" value="TerminalTypeCode" />

</wireend

-->

</start>

- <!--

End of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <end>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**PNConnector2**" value="**PartNumber**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin2**" value="**Name**" />

</pin>

- <!--

Remove the comment to get the wire end attributes.

<wireend>

<attribute title="Terminal Material Code" value="TerminalMaterialCode" />

<attribute title="Terminal Type Code" value="TerminalTypeCode" />

</wireend

-->

</end>

</wireendexpression>

</table>

</report>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <report title="**Configured Wire List**" type="**Integrator**" stylesheet="**report.xsl**">

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <table title="">

- <!--

An attribute Named "Name"

-->

<attribute title="**Name**" value="**Name**" />

- <!--

A property Named Signal

-->

<property title="**Signal**" value="**Signal**" />

- <!--

Remove the coments to get the multicore attributes and properties

<multicore>

<attribute title="Multicore Name" value="Name"/>

<attribute title="Multicore Type" value="SheathType"/>

</multicore>

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <wireendexpression>

- <!--

expressions that are applicate to the ends of wires

-->

- <!--

Start of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <start>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <component>

- <!--

Devices, splices

-->

<attribute title="**Component1**" value="**Name**" />

</component>

- <!--

If no connector element is specified, then component element itself will act as a connector

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**Connector1**" value="**Name**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin1**" value="**Name**" />

- <!--

if connected=true, it will be evaluated on the pin mated to the directly connected pin of wire

-->

<attribute title="**MatedPin1**" value="**Name**" connected="**true**" />

</pin>

</start>

- <!--

End of the Wire

-->

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <end>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <component>

- <!--

Devices, splices

-->

<attribute title="**Component2**" value="**Name**" />

</component>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <connector>

- <!--

Plugs, Jacks, inlines

-->

<attribute title="**Connector2**" value="**Name**" />

</connector>

[**-**](file:///C:\MentorGraphics\Capital\reporter\templates\embedded\config.xml) <pin>

<attribute title="**Pin2**" value="**Name**" />

<attribute title="**MatedPin2**" value="**Name**" connected="**true**" />

</pin>

</end>

</wireendexpression>

</table>

</report>

</reports>