



Solid Edge 2D Diagramming

(Blocks and Connectors)

Art Patrick
Solid Edge Planning



Solid Edge Diagramming

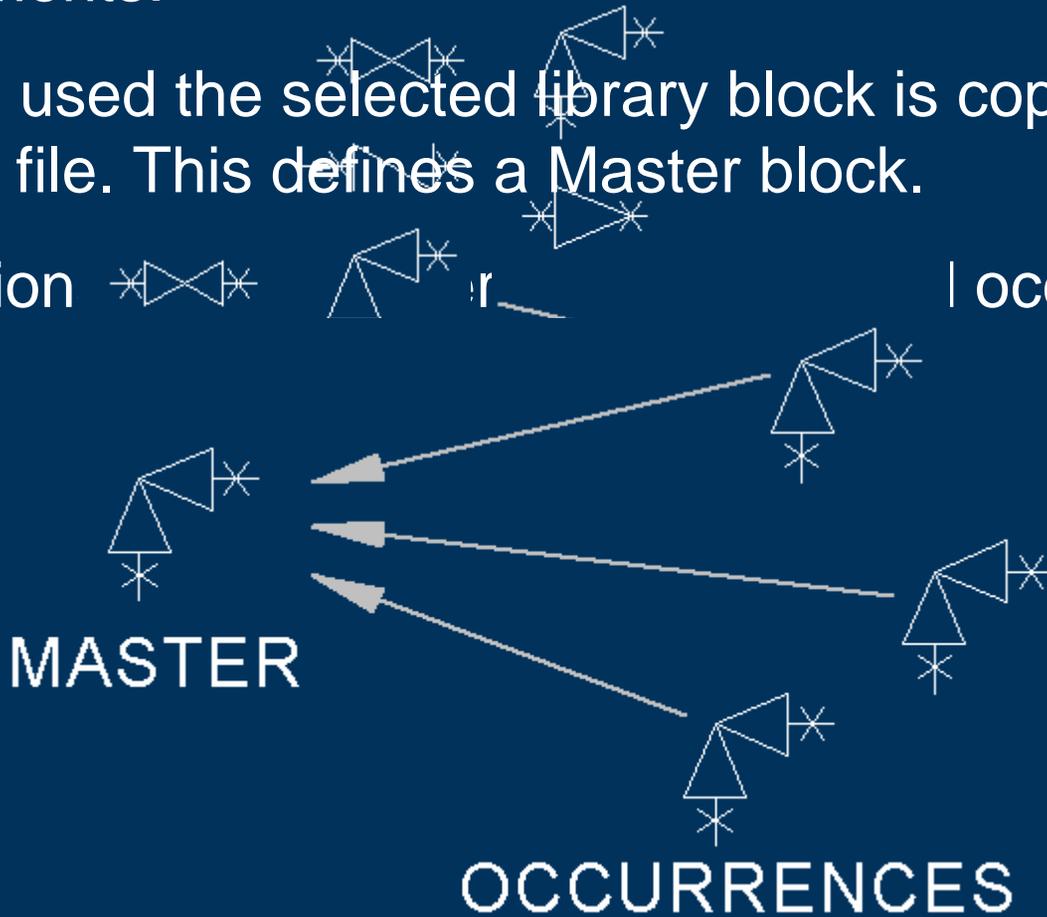


- ▶ Blocks are the key to 2D Diagramming
- ▶ What's this Connector thing?
- ▶ Demonstration
- ▶ Translators
- ▶ Block Futures



What is a Block?

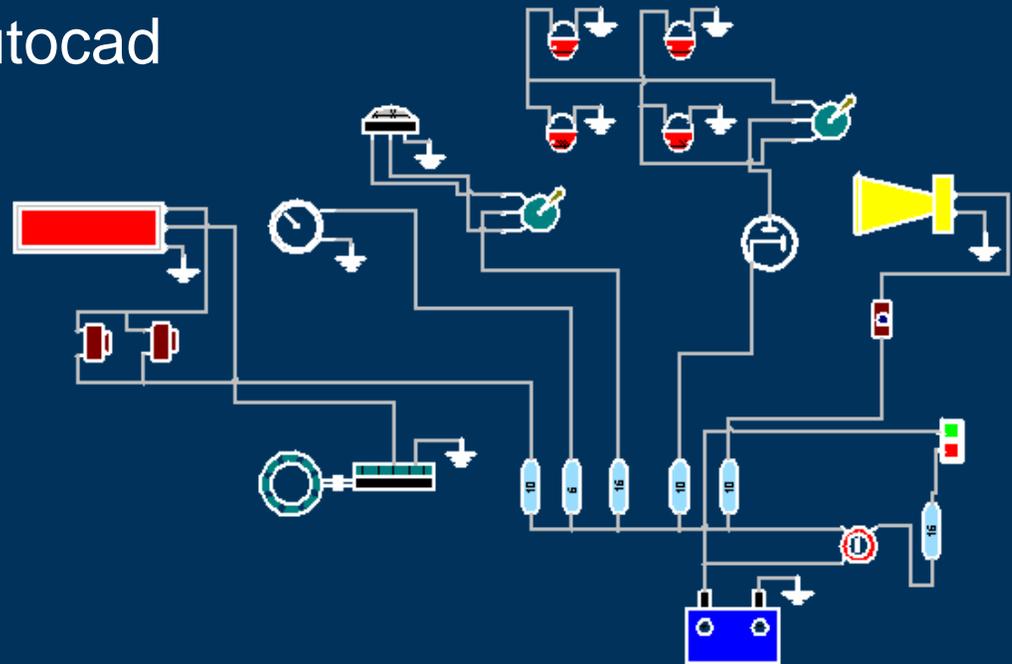
- ▶ A block is a predefined Library of 2D graphics that can be retrieved and used across multiple draft documents.
- ▶ When used the selected library block is copied to the target file. This defines a Master block.
- ▶ Location  or  1 occurrences.





Why do I need Blocks?

- ▶ 2D layouts, schematics and other non-3D CAD graphics
- ▶ Blocks are an important tool in the 2D workflow (Standards, Data reuse, Drawing Production etc.)
- ▶ Translation from Autocad





- ▶ Create Block Command
 - Everything except:
Drawing Views, Inserted Objects
- ▶ Multiple Representation Support (Open\Closed Switch)
- ▶ EdgeBar Library UI
- ▶ Block Properties and Property Text
- ▶ Example Libraries delivered with Solid Edge
- ▶ Use Autocad Blocks directly in Solid Edge
- ▶ Blocks are not supported in V18 Profile/Sketch



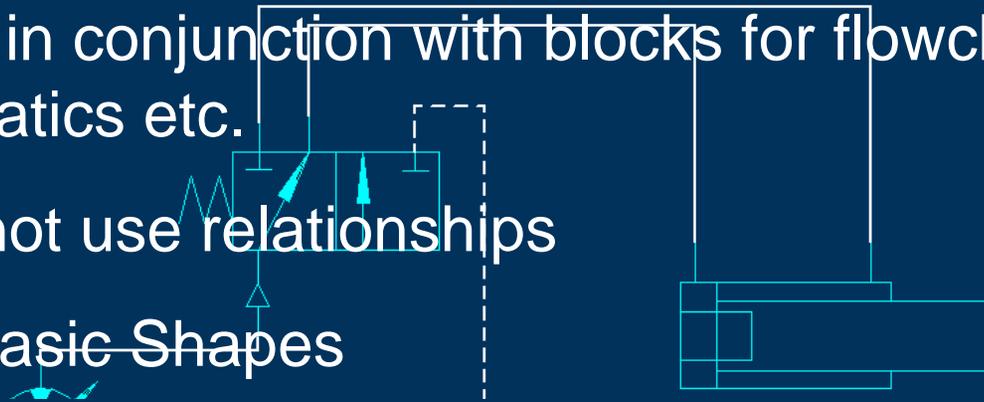
New for V19



- ▶ Block Labels (Autocad Attributes)
- ▶ Edit Block Master
- ▶ Block Automation
- ▶ Solid Edge Example Libraries updated with Block Labels



- ▶ Solid Edge Annotation Object
- ▶ Works in conjunction with blocks for flowcharts, schematics etc.
- ▶ Does not use relationships
- ▶ Four Basic Shapes



Line



Jump



Corner



Step



Demonstration





- ▶ Data Import

 - 2D IGES and Microstation import do not support blocks.
(Cells are dropped)

 - Autocad Attribute Text will come in as a SE Block Label
Option to bring Autocad blocks in as groups like V17.

- ▶ Data Export

 - SE Blocks will export as Blocks to DWG/DXF

 - SE Blocks are dropped to graphic elements when
exported to Microstation or 2D IGES.



- ▶ Draft Parts Lists
- ▶ Virtual Components
- ▶ Blocks in 3D Model sketches and profiles
- ▶ Rebind (Replace, Update)
- ▶ Reference Blocks
- ▶ Attributes on Connectors



Questions?