Ultra Librarian – Gold Version

Zuken Process

The Partner For Success

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High Level Process

1. Download and install Ultra Librarian Software

2. Select the component(s) to be downloaded

3. Export the ascii data and the 3D STEP model for the component(s)

4. Convert the ascii data to vendor-specific data

5. Merge the new component data into the existing library
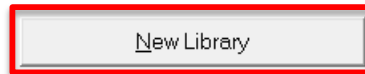
6. QC and release

Detailed Process

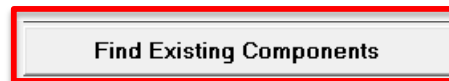1. **Install** Ultra Librarian http://www.accelerated-designs.com

2. **Open** Ultra Librarian (CIS)

There are multiple methods to search for and load components. This example assumes that the Accelerated Designs Online Components will be used.

3. Select **New Library**   New Library
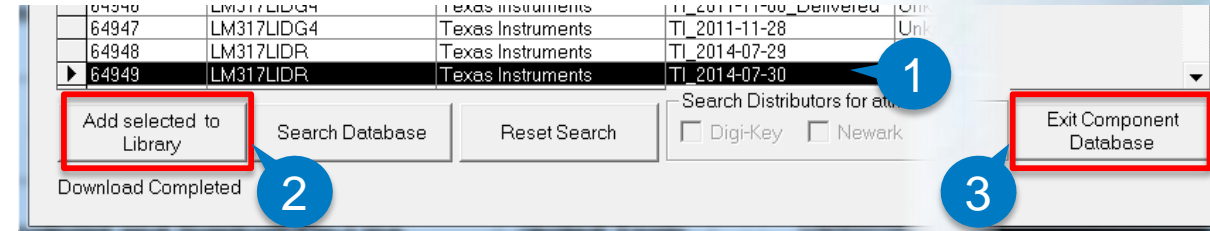
4. Select **Find Existing Components**   Find Existing Components

5. Select the **Accelerated Designs Online Components** option   Accelerated Designs's Online Components
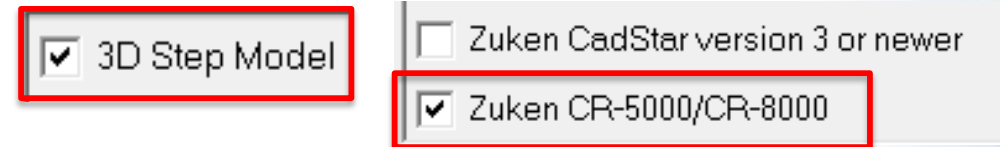
6. Select the component(s) to be downloaded, select **Add selected to Library,** then select **Exit Component Database**

7. Select **File -> Export Options**

8. **Select** both **3D Step Model** and **Zuken CR-5000/CR-8000**
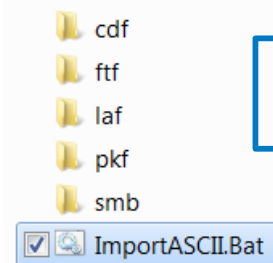

9. Select **Export Entire Library**

The Export log will detail the export path along with instructions on how to convert the ascii export data to the vendor-specific format

- All ascii files are exported to: C:\UltraLibrarian\Library\Exported\CR5000\<date_time>\<date_time>
- Step model is exported to: C:\UltraLibrarian\Library\Exported\STL\<date_time>

Detailed Process

10. Move or copy the Step model (the .stp file) to the proper folder within the Zuken library

11. Using Windows Explorer, **navigate** to the ascii export path

📁 cdf	
📁 ftf	All folders contain ascii data, the exception being
📁 laf	the smb folder which is an empty placeholder.
📁 pkf	
📁 smb	
☑ 🔍 ImportASCII.Bat	

12. Run ImportASCII.Bat

    1.   Select **Components Manager** or **Components Editor** based on the installed environment

    2.   Select **System Designer** or **Design Gateway** based on the installed environment

The import routine will run with any errors output to the error-log.txt file

The part, package, and footprint will be created at the same level as the export path.

The symbol will be created in the smb folder.

13. Move or copy the symbol (the .smb file) to the proper symbol folder within the Zuken library

14. Open the symbol and add any company specific information

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> **If Layer Mapping has been preconfigured please skip steps 15-19**

Update the footprint layer mapping (assumes library access privileges)

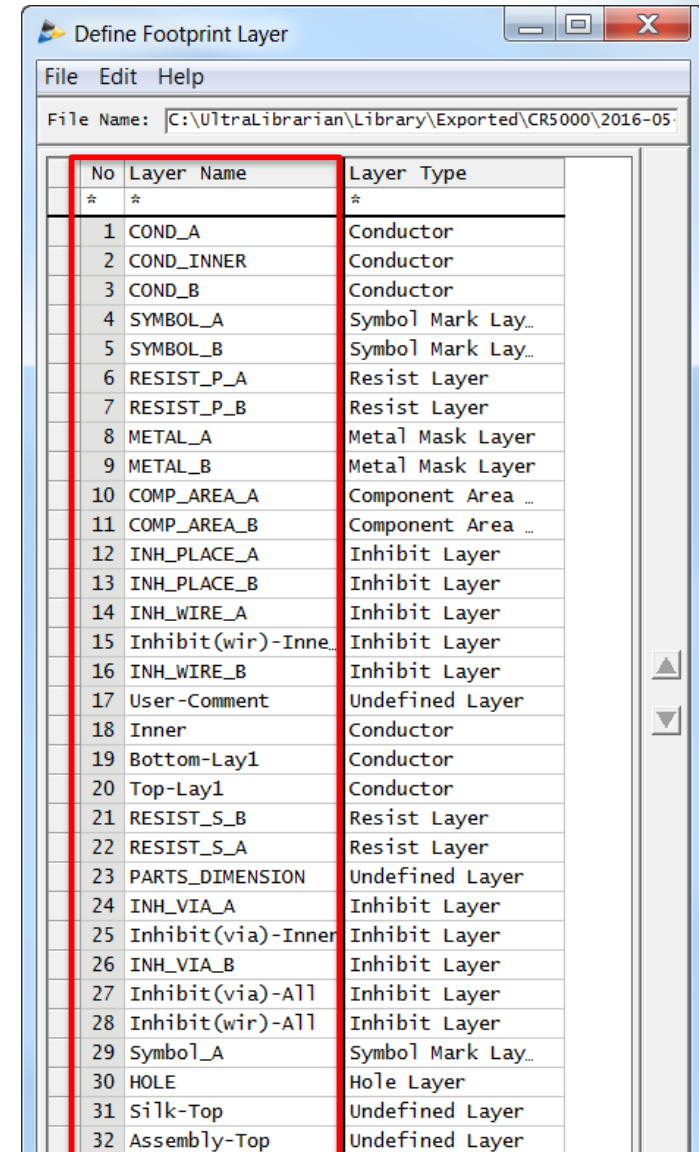**15. Open Components Manager** or **Components Editor**

16. Drag-and-drop the .ftp from the export path onto Components Manager (or Components Editor)

17. Select **Tools -> Define Footprint Layer**

18. Change the Layer Names to company specific layer names and Save

19. Close Components Manager or **Components Editor**

Define Footprint Layer

File   Edit   Help

File Name: C:\UltraLibrarian\Library\Exported\CR5000\2016-05

No	Layer Name	Layer Type
*	*	*
1	COND_A	Conductor
2	COND_INNER	Conductor
3	COND_B	Conductor
4	SYMBOL_A	Symbol Mark Lay…
5	SYMBOL_B	Symbol Mark Lay…
6	RESIST_P_A	Resist Layer
7	RESIST_P_B	Resist Layer
8	METAL_A	Metal Mask Layer
9	METAL_B	Metal Mask Layer
10	COMP_AREA_A	Component Area …
11	COMP_AREA_B	Component Area …
12	INH_PLACE_A	Inhibit Layer
13	INH_PLACE_B	Inhibit Layer
14	INH_WIRE_A	Inhibit Layer
15	Inhibit(wir)-Inne…	Inhibit Layer
16	INH_WIRE_B	Inhibit Layer
17	User-Comment	Undefined Layer
18	Inner	Conductor
19	Bottom-Lay1	Conductor
20	Top-Lay1	Conductor
21	RESIST_S_B	Resist Layer
22	RESIST_S_A	Resist Layer
23	PARTS_DIMENSION	Undefined Layer
24	INH_VIA_A	Inhibit Layer
25	Inhibit(via)-Inner	Inhibit Layer
26	INH_VIA_B	Inhibit Layer
27	Inhibit(via)-All	Inhibit Layer
28	Inhibit(wir)-All	Inhibit Layer
29	Symbol_A	Symbol Mark Lay…
30	HOLE	Hole Layer
31	Silk-Top	Undefined Layer
32	Assembly-Top	Undefined Layer

Merge the Part, Package, and Footprint into the Zuken library as follows: (assumes library access privileges)

20. Open Components Manager or **Components Editor**

21. Select **Tools -> Compare Objects**

22. Select **Environment -> Compare Footprint Library**

1. Set the **Reference Library** to the .ftp created in step #12
2. Set the **Destination Library** to the Zuken library .ftp
3. Set the **Output Object** to "Object having different contents…"
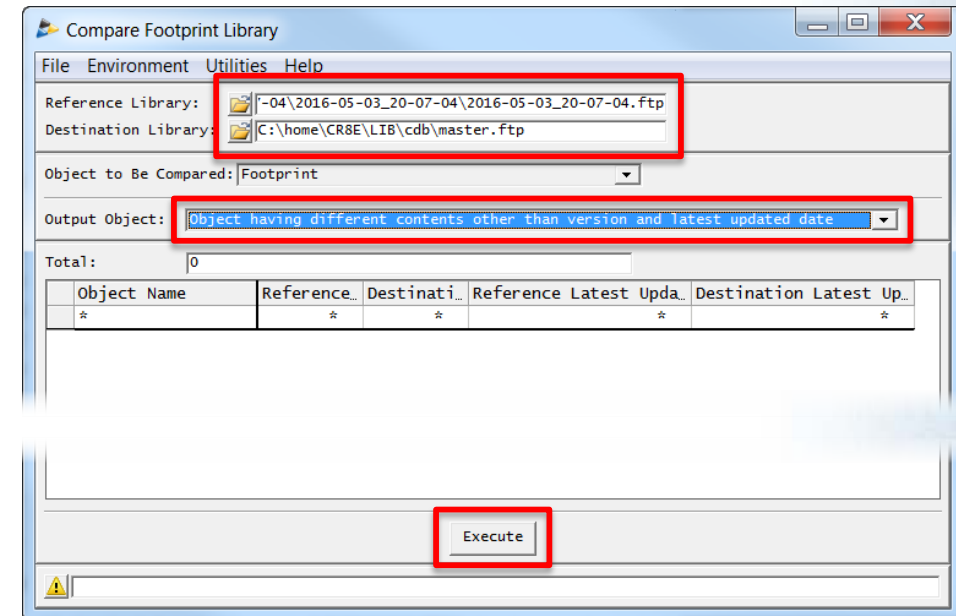4. Select **Execute**
5. **Close** the Warnings

23. Select **Utilities -> Transfer Objects to Copy CDB Library**

The Copy Footprint Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

24. Select **Execute**

25. Close the Message Viewer

26. Close the Copy Footprint Library window

27. In the Compare Footprint Library window select **Environment -> Compare Package Library**

    1.   Set the **Reference Library** to the .pkg created in step #12

    2.   Set the **Destination Library** to the Zuken library .pkg

    3.   Set the **Output Object** to "Object having different contents…"

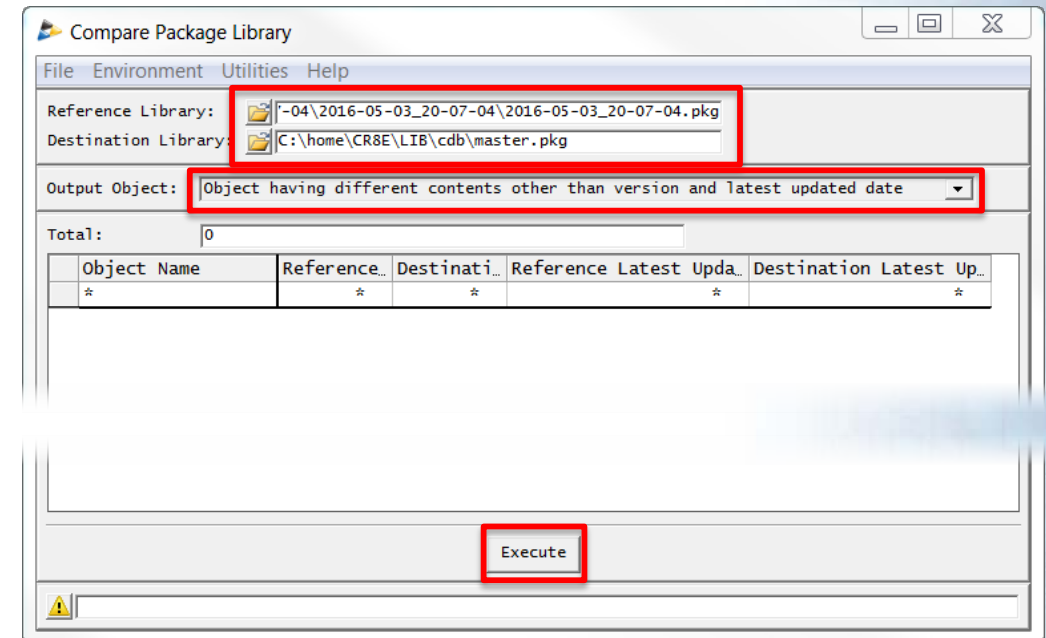   4.   Select **Execute**

    5.   **Close** the Warnings

28. Select **Utilities -> Transfer Objects to Copy CDB Library**

The Copy Package Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

29. Select **Execute**

30. Close the Warning

31. Close the Copy Package Library window

32. In the Compare Package Library window select **Environment -> Compare Part Library**
    1. Set the **Reference Library** to the .prt created in step #12
    2. Set the **Destination Library** to the Zuken library .prt
    3. Set the **Output Object** to "Object having different contents…"
    4. Select **Execute**
    5. **Close** the Warnings

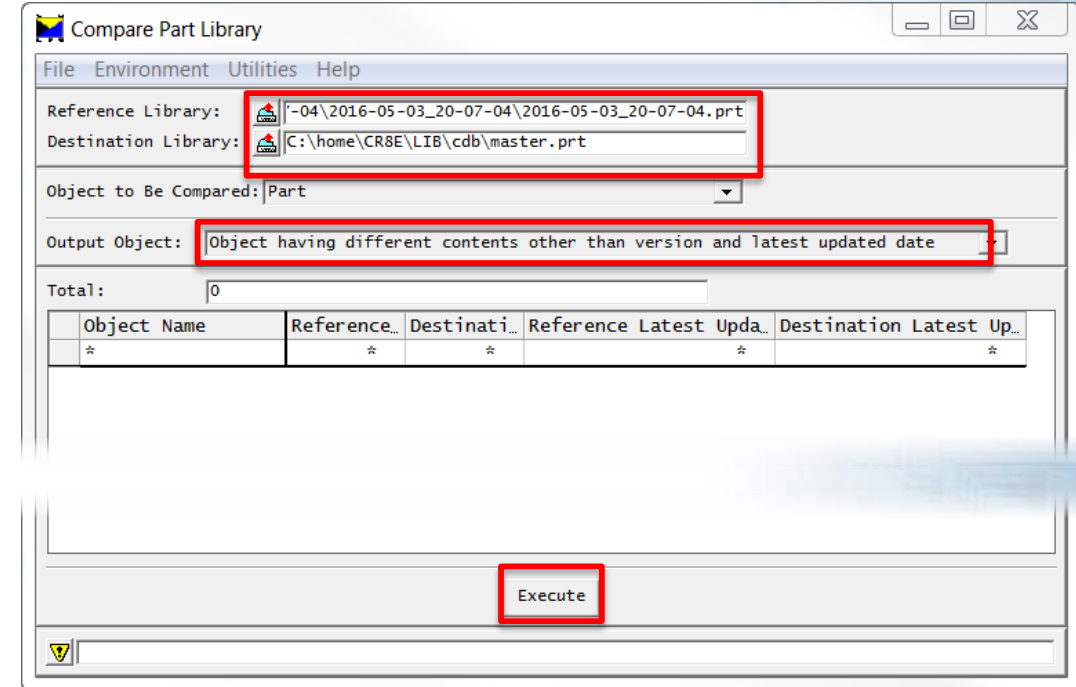33. Select **Utilities -> Transfer Objects to Copy CDB Library**

The Copy Part Library form should already have the correct Reference and Destination Library, and the objects to be copied should already be selected.

34. Select **Execute**

35. Close the Warning

36. Close the Copy Part Library window

37. Close the Compare Part Library window

The new component(s) are ready to be checked and released