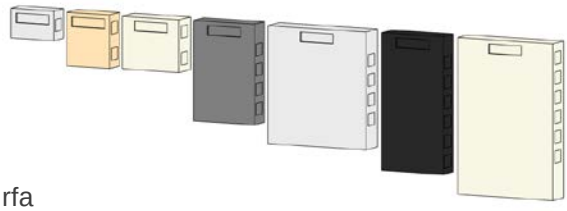
QuickPort® Boxes
Using Leviton BIM Content in Revit®



Revit® Family:
Data_Device-Work_Area-Leviton-Surface-Mount-Housing.rfa
Schedule File:
Schedule - Data_Device-Work_Area-Leviton-Surface-Mount-Housing.rvt

Basic Features:
- The Revit® family includes geometry and metadata that represent QuickPort Boxes by Leviton.
- The family includes strong references near mounting features for maximum compatibility with other QuickPort families. Connectors will snap into place!

Loading the family into a project:
- The Revit® family may be loaded into a **Revit® 2013 or later** project through all traditional methods.
- When placing a family, press **Spacebar to rotate** if necessary and click once to place each instance.
- If component does not easily snap into place, verify that reference lines are visible. Click **View → Graphics → Visibility / Graphics → Annotations** and check the box for Reference Lines.

Family Types

12-Port Surface Mount Box
6-Port Surface Mount Box
4-Port Surface Mount Box

2-Port Surface Mount Box
1-Port Surface Mount Box

For Shielded Connectors
2-Port Surface Mount Box
1-Port Surface Mount Box

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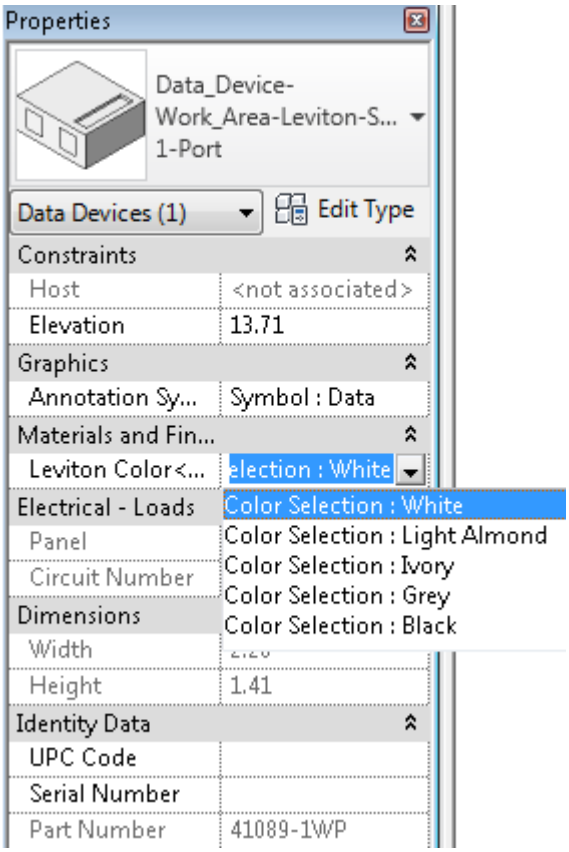
Features and Settings

These user configurable parameters may appear in a schedule if desired.



Instance Properties:

Materials and Finishes

1. **Select Color (ie. White)**

Select a color. If the Part Number parameter message “Error” appears, please verify that the selected QuickPort product is available in that color.

Identity Data

2. **Part Number**

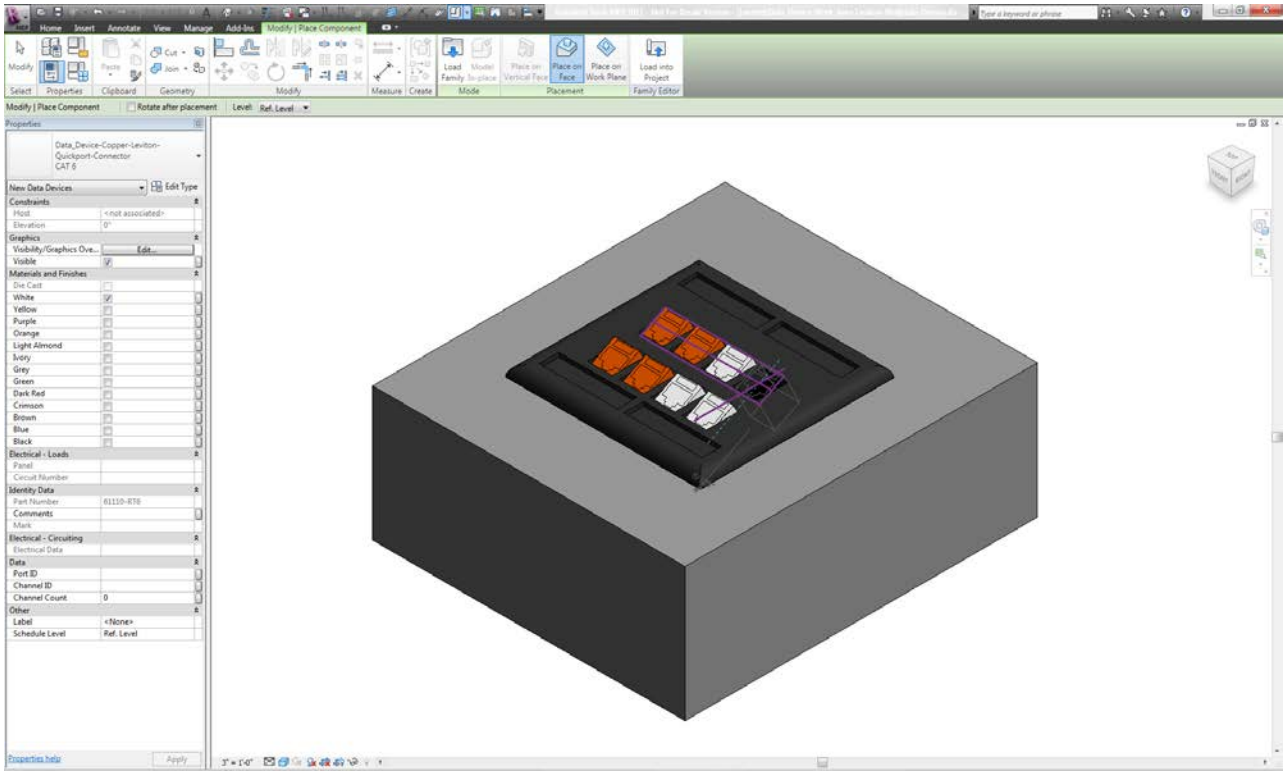
Automatically updates as connector types and colors are selected.

Type Properties Palette

Advanced Techniques

Preconfigured Families:

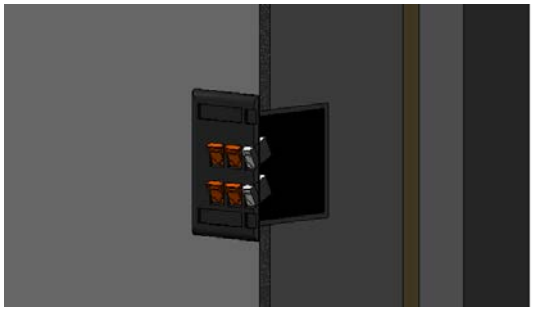
In smaller projects, it is often simpler and faster to place a QuickPort housing and QuickPort Connectors directly into a project file without the need for a common *parent* family file. However, if you often work with specific QuickPort housing types in combination with a few specific QuickPort Connectors, consider saving preconfigured families with only those types that you need loaded into a common *parent* family file. In some cases, this method may help improve performance and streamline the workflow.



Nested QuickPort Family

Building Preconfigured Families:

- When building preconfigured families, it is recommended to nest the desired QuickPort housing and QuickPort Connectors in a parent Family file (not provided) instead of placing the connectors directly into the QuickPort housing file.
- To build a preconfigured Family file:
    1. Create a new Family file. If using a template, a more flexible template is often preferable. For instance: *Generic Model face based.rft*
    2. Using the type catalog (provided), load a QuickPort housing type. For better performance select only one type per parent family file. Create additional preconfigured family files as desired to represent desired configurations.
    3. Using the type catalog (provided with QuickPort Family), load QuickPort Connector types.
    4. Place and configure QuickPort Connector types as desired to populate QuickPort housing.
    5. Load preconfigured family into target project file and place each instance as desired.



Section View of Preconfigured Wallplate in a Project

Note: While we encourage the use of a parent Family file, we do not supply one. This file should be custom built for the particular requirements of the project at hand.