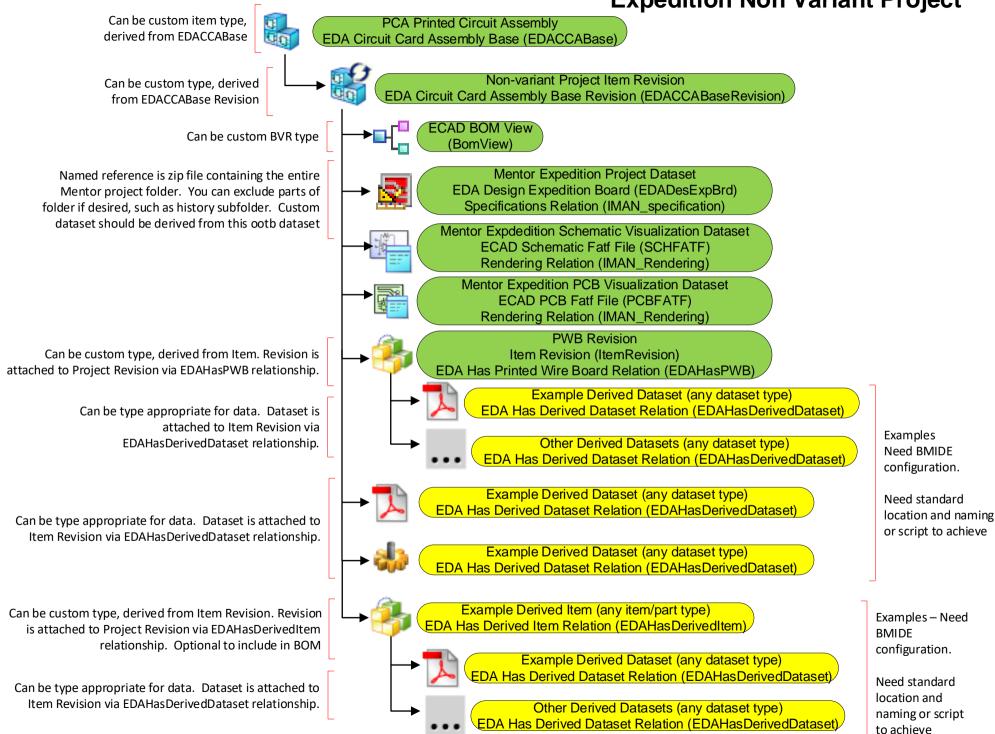
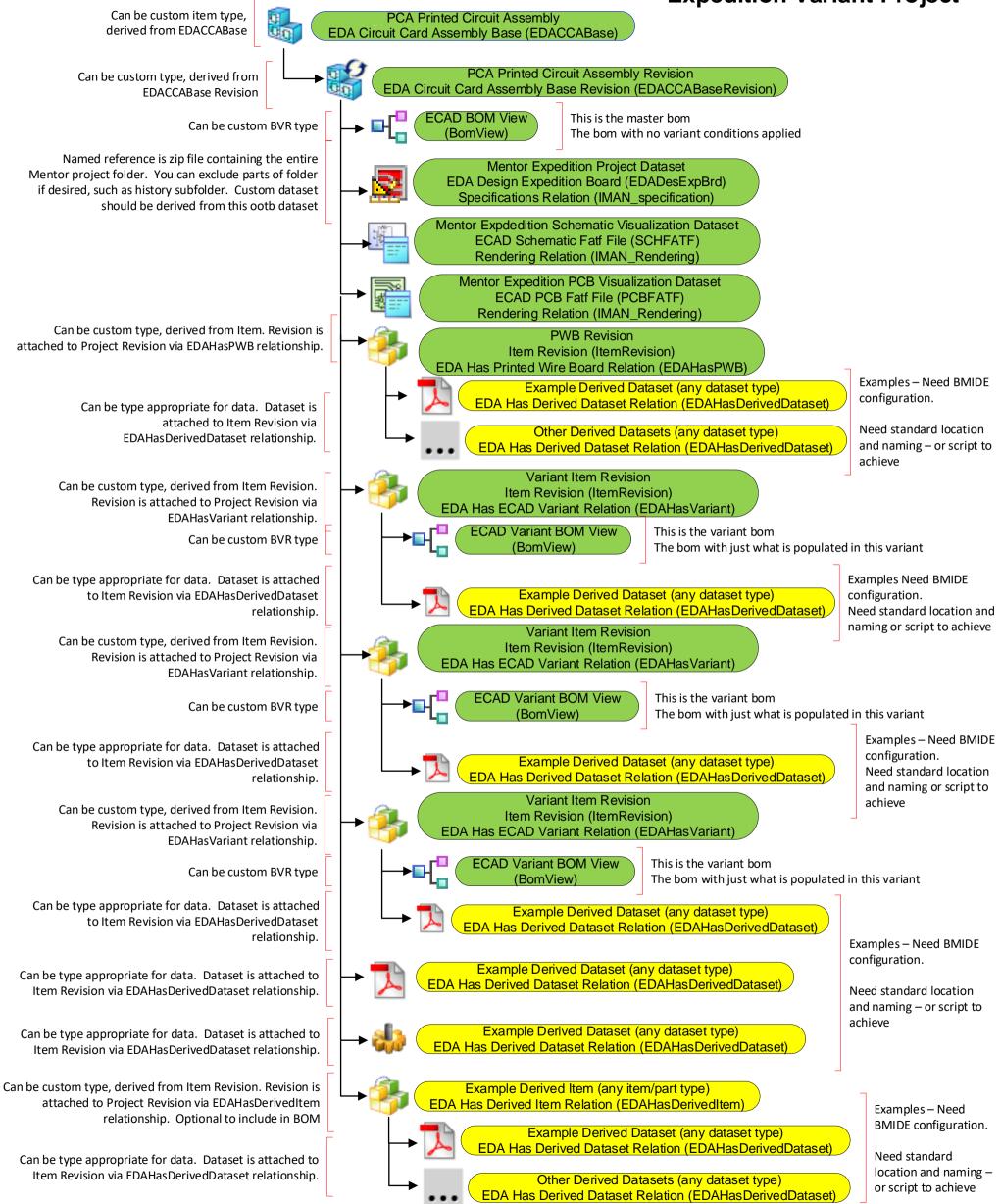
## **Expedition Non Variant Project**



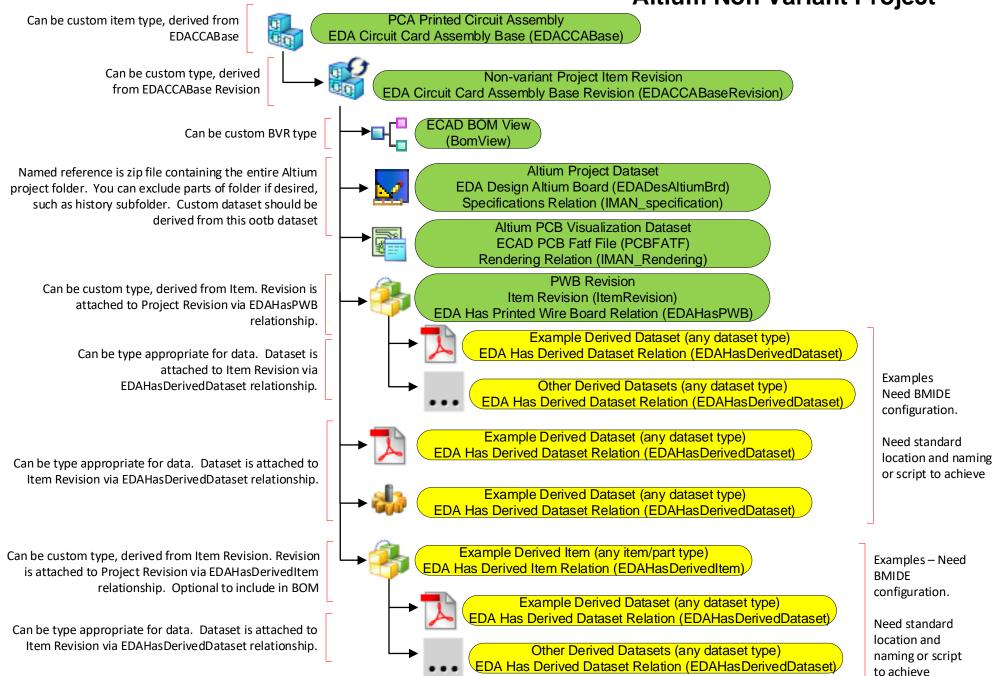
## **Expedition Variant Project**



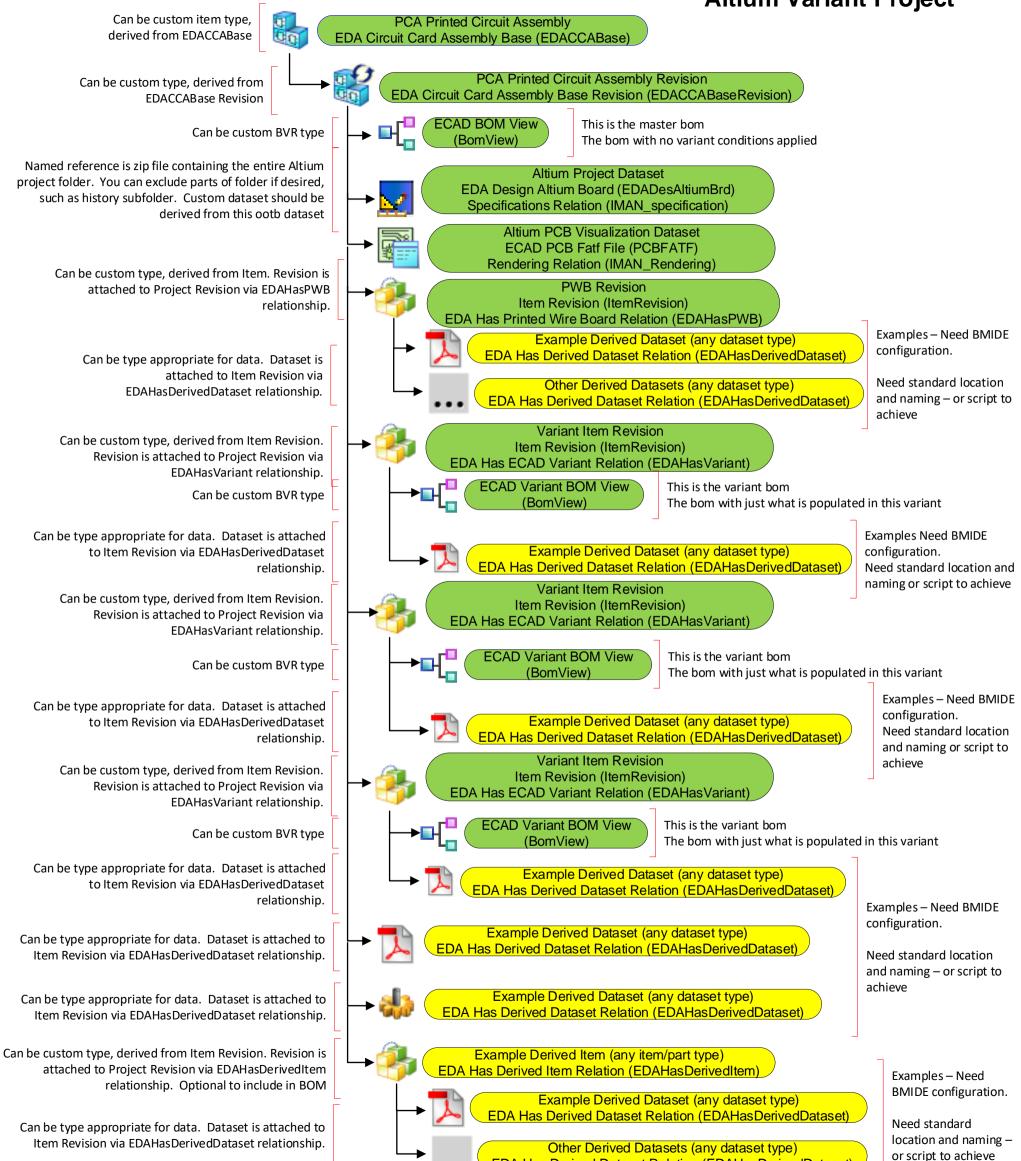
**PADS Non Variant Project** Can be custom item type. PCA Printed Circuit Assembly derived from EDACCABase EDA Circuit Card Assembly Base (EDACCABase) Can be custom type, derived Non-variant Project Item Revision from EDACCABase Revision EDA Circuit Card Assembly Base Revision (EDACCABaseRevision) **ECAD BOM View** Can be custom BVR type (BomView) Pads Layout PCB Dataset Named reference is zip file containing the PCB design EDA Pads Board Design (EDADesPadsBrd) files. You can exclude parts of folder if desired, such Specifications Relation (IMAN specification) as history subfolder. Custom dataset should be derived from this ootb dataset Pads PCB Visualization Dataset ECAD PCB Fatf File (PCBFATF) Rendering Relation (IMAN Rendering) Can be custom type, derived from EDASchem Item. SCH Schematic Revision Revision is attached to CCA Revision via EDA Schematic Revision (EDASchem Revision) EDAHasSchematic relationship. EDA Has Schematic Relation (EDAHasSchematic) Named reference is zip file containing the Schematic Pads Designer Schematic Dataset design files. You can exclude parts of folder if desired, EDA Xpedition Schematic Design (EDADesExpSch) such as history subfolder. Custom dataset should be Specifications Relation (IMAN specification) derived from this ootb dataset Pads Schematic Visualization Dataset ECAD Schematic Fatf File (SCHFATF) Example Derived Dataset (any dataset type) Examples EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Need BMIDE Can be type appropriate for data. Dataset is configuration. attached to Item Revision via Other Derived Datasets (any dataset type) EDAHasDerivedDataset relationship. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Need standard location and naming or script to achieve **PWB Revision** Item Revision (ItemRevision) Can be custom type, derived from Item. Revision is EDA Has Printed Wire Board Relation (EDAHasPWB) attached to Project Revision via EDAHasPWB relationship. Example Derived Dataset (any dataset type) DA Has Derived Dataset Relation (EDAHasDerivedDataset) Can be type appropriate for data. Dataset is attached to Item Revision via Examples EDAHasDerivedDataset relationship. Other Derived Datasets (any dataset type) **Need BMIDE** EDA Has Derived Dataset Relation (EDAHasDerivedDataset) configuration. Example Derived Dataset (any dataset type) Need standard EDA Has Derived Dataset Relation (EDAHasDerivedDataset) location and naming Can be type appropriate for data. Dataset is attached to or script to achieve Item Revision via EDAHasDerivedDataset relationship. Example Derived Dataset (any dataset type) DA Has Derived Dataset Relation (EDAHasDerivedDataset) Example Derived Item (any item/part type) Can be custom type, derived from Item Revision. Revision Examples - Need Has Derived Item Relation (EDAHas Derived Item) is attached to Project Revision via EDAHasDerivedItem **BMIDE** relationship. Optional to include in BOM configuration. Example Derived Dataset (any dataset type) DA Has Derived Dataset Relation (EDAHasDerivedDataset) Need standard Can be type appropriate for data. Dataset is attached to location and Item Revision via EDAHasDerivedDataset relationship. Other Derived Datasets (any dataset type) naming or script EDA Has Derived Dataset Relation (EDAHasDerivedDataset)

to achieve

## **Altium Non Variant Project**



### **Altium Variant Project**



EDA Has Derived Dataset Relation (EDAHasDerivedDataset)

#### **Allegro Non Variant Project** PCA Printed Circuit Assembly Can be custom item type, EDA Circuit Card Assembly Base (EDACCABase) derived from EDACCABase Can be custom type, derived Non-variant Project Item Revision from EDACCABase Revision EDA Circuit Card Assembly Base Revision (EDACCABaseRevision) Can be custom BVR type **ECAD BOM View** Named reference is zip file containing the PCB design Cadence Allegro PCB Dataset files. You can exclude parts of folder if desired, such EDA Design Cadence Board (EDADesCadBrd) as history subfolder. Custom dataset should be Specifications Relation (IMAN\_specification) derived from this ootb dataset Cadence Allegro PCB Visualization Dataset ECAD PCB Fatf File (PCBFATF) Rendering Relation (IMAN\_Rendering) Can be custom type, derived from EDASchem Item. SCH Schematic Revision Revision is attached to CCA Revision via EDA Schematic Revision (EDASchem Revision) EDAHasSchematic relationship. EDA Has Schematic Relation (EDAHasSchematic Named reference is zip file containing the Schematic Cadence Allegro Schematic Dataset design files. You can exclude parts of folder if desired, EDA Design Cadence Schematic (EDADesCadSch) such as history subfolder. Custom dataset should be Specifications Relation (IMAN\_specification) derived from this ootb dataset Cadence Allegro Schematic Visualization Dataset ECAD Schematic Fatf File (SCHFATF) Rendering Relation (IMAN\_Rendering) Examples - Need Can be type appropriate for data. Dataset is Example Derived Dataset (any dataset type) BMIDE configuration. attached to Item Revision via EDA Has Derived Dataset Relation (EDAHas Derived Dataset) EDAHasDerivedDataset relationship. Need standard Other Derived Datasets (any dataset type) location and naming -EDA Has Derived Dataset Relation (EDAHasDerivedDataset) or script to achieve **PWB** Revision Can be custom type, derived from Item. Item Revision (ItemRevision) Revision is attached to Project Revision via EDA Has Printed Wire Board Relation (EDAHasPWB) EDAHasPWB relationship. Examples - Need BMIDE Example Derived Dataset (any dataset type) configuration. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Can be type appropriate for data. Dataset is attached to Item Revision via Need standard location Other Derived Datasets (any dataset type) and naming – or script to EDAHasDerivedDataset relationship. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) achieve Examples - Need BMIDE Example Derived Dataset (any dataset type) configuration. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Can be type appropriate for data. Dataset is attached to Item Revision via Need standard location Other Derived Datasets (any dataset type) EDAHasDerivedDataset relationship. and naming - or script to EDA Has Derived Dataset Relation (EDAHasDerivedDataset) achieve Can be custom type, derived from Item Example Derived Item (any item/part type) Revision. Revision is attached to Project EDA Has Derived Item Relation (EDAHasDerivedItem) Examples – Need BMIDE Revision via EDAHasDerivedItem relationship. configuration.

Example Derived Dataset (any dataset type) DA Has Derived Dataset Relation (EDAHasDerivedDataset)

Other Derived Datasets (any dataset type)

DA Has Derived Dataset Relation (EDAHasDerivedDataset)

Need standard location

and naming - or script to

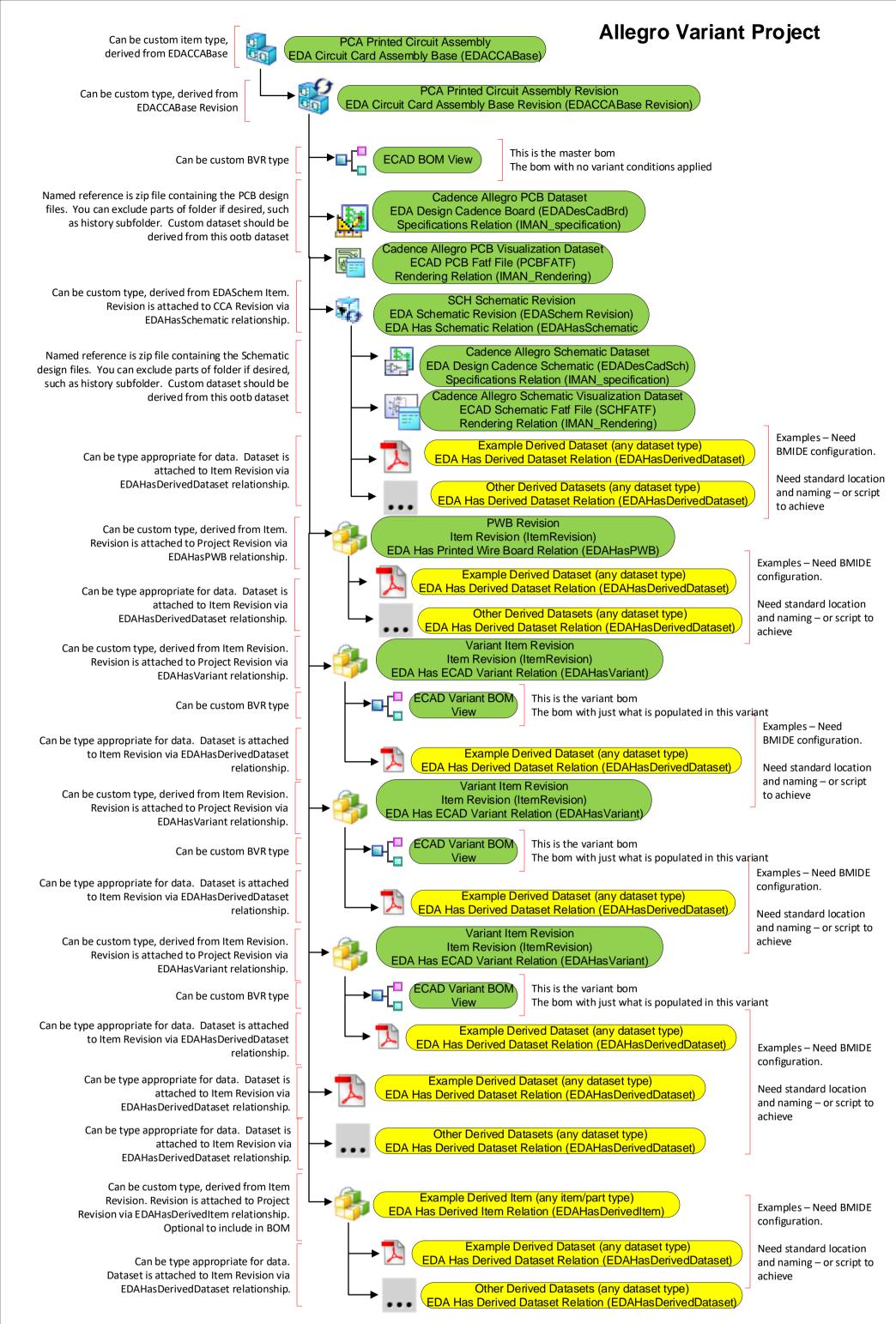
achieve

Optional to include in BOM

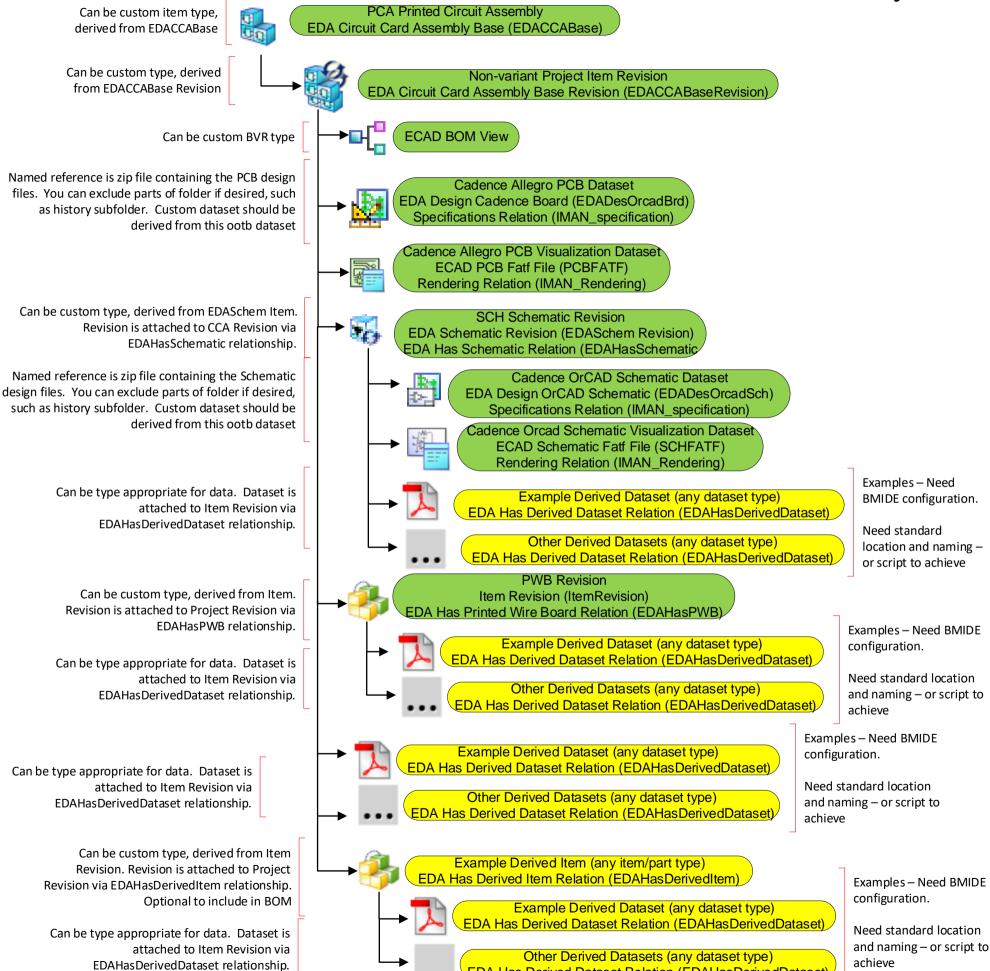
attached to Item Revision via

EDAHas Derived Dataset relationship.

Can be type appropriate for data. Dataset is



## **Orcad Non Variant Project**

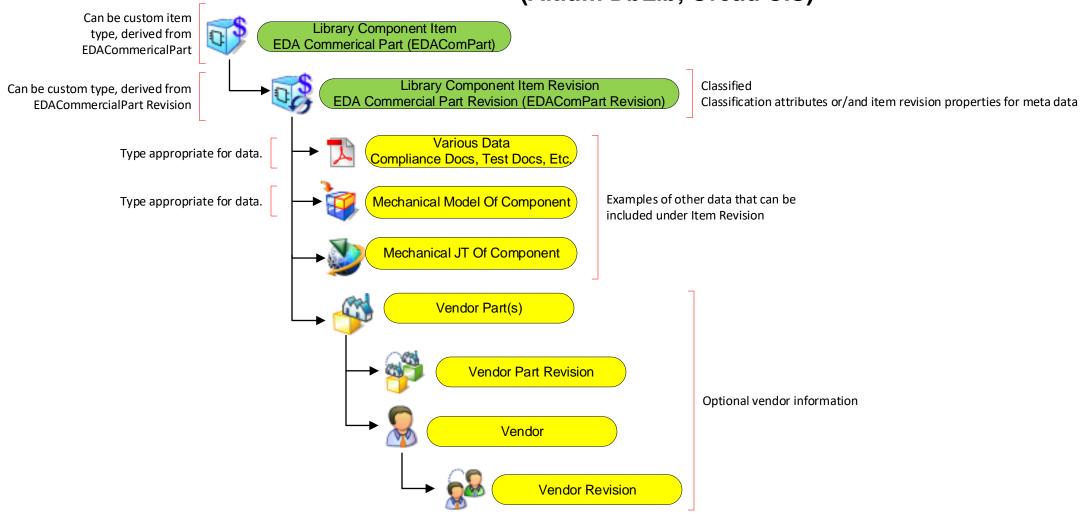


EDA Has Derived Dataset Relation (EDAHasDerivedDataset)

#### **Orcad Variant Project** Can be custom item type, PCA Printed Circuit Assembly derived from EDACCABase EDA Circuit Card Assembly Base (EDACCABase) PCA Printed Circuit Assembly Revision Can be custom type, derived from EDA Circuit Card Assembly Base Revision (EDACCABase Revision) **EDACCABase Revision** This is the master bom **ECAD BOM View** Can be custom BVR type The bom with no variant conditions applied Named reference is zip file containing the PCB design Cadence Allegro PCB Dataset files. You can exclude parts of folder if desired, such EDA Design Cadence Board (EDADesOrcadBrd) as history subfolder. Custom dataset should be Specifications Relation (IMAN\_specification) derived from this ootb dataset Cadence Allegro PCB Visualization Dataset ECAD PCB Fatf File (PCBFATF) Rendering Relation (IMAN\_Rendering) Can be custom type, derived from EDASchem Item. SCH Schematic Revision Revision is attached to CCA Revision via EDA Schematic Revision (EDASchem Revision) EDAHasSchematic relationship. EDA Has Schematic Relation (EDAHasSchematic Cadence OrCAD Schematic Dataset Named reference is zip file containing the Schematic EDA Design OrCAD Schematic (EDADesOrcadSch) design files. You can exclude parts of folder if desired, Specifications Relation (IMAN\_specification) such as history subfolder. Custom dataset should be Cadence Orcad Schematic Visualization Dataset derived from this ootb dataset ECAD Schematic Fatf File (SCHFATF) Rendering Relation (IMAN\_Rendering) Examples - Need Example Derived Dataset (any dataset type) BMIDE configuration. Can be type appropriate for data. Dataset is EDA Has Derived Dataset Relation (EDAHasDerivedDataset) attached to Item Revision via Need standard location EDAHasDerivedDataset relationship. Other Derived Datasets (any dataset type) and naming - or script EDA Has Derived Dataset Relation (EDAHasDerivedDataset) to achieve PWB Revision Can be custom type, derived from Item. Item Revision (ItemRevision) Revision is attached to Project Revision via EDA Has Printed Wire Board Relation (EDAHasPWB) EDAHasPWB relationship. Examples - Need BMIDE Example Derived Dataset (any dataset type) configuration. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Can be type appropriate for data. Dataset is attached to Item Revision via Need standard location Other Derived Datasets (any dataset type) and naming - or script to EDAHasDerivedDataset relationship. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) achieve Variant Item Revision Can be custom type, derived from Item Revision. Item Revision (ItemRevision) Revision is attached to Project Revision via EDA Has ECAD Variant Relation (EDAHas Variant) EDAHas Variant relationship. Variant BOM This is the variant bom Can be custom BVR type The bom with just what is populated in this variant Examples – Need BMIDE configuration. Can be type appropriate for data. Dataset is attached Example Derived Dataset (any dataset type) to Item Revision via EDAHasDerivedDataset EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Need standard location relationship. and naming – or script Variant Item Revision Can be custom type, derived from Item Revision. to achieve Item Revision (ItemRevision) Revision is attached to Project Revision via EDA Has ECAD Variant Relation (EDAHasVariant) EDAHasVariant relationship. ECAD Variant BOM This is the variant bom Can be custom BVR type The bom with just what is populated in this variant Examples - Need BMIDE Can be type appropriate for data. Dataset is attached configuration. to Item Revision via EDAHasDerivedDataset Example Derived Dataset (any dataset type) relationship. EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Need standard location and naming - or script to Variant Item Revision Can be custom type, derived from Item Revision. achieve Item Revision (ItemRevision) Revision is attached to Project Revision via EDA Has ECAD Variant Relation (EDAHasVariant) EDAHas Variant relationship. This is the variant bom Variant BOM Can be custom BVR type The bom with just what is populated in this variant Can be type appropriate for data. Dataset is attached Example Derived Dataset (any dataset type) to Item Revision via EDAHasDerivedDataset EDA Has Derived Dataset Relation (EDAHasDerivedDataset) Examples – Need BMIDE relationship. configuration. Can be type appropriate for data. Dataset is Example Derived Dataset (any dataset type) Need standard location attached to Item Revision via EDA Has Derived Dataset Relation (EDAHasDerivedDataset) and naming - or script to EDAHasDerivedDataset relationship. achieve Can be type appropriate for data. Dataset is Other Derived Datasets (any dataset type) attached to Item Revision via EDA Has Derived Dataset Relation (EDAHasDerivedDataset) EDAHasDerivedDataset relationship. Can be custom type, derived from Item Example Derived Item (any item/part type) Revision. Revision is attached to Project Examples – Need BMIDE EDA Has Derived Item Relation (EDAHasDerivedItem) Revision via EDAHasDerivedItem relationship. configuration. Optional to include in BOM Example Derived Dataset (any dataset type) Need standard location DA Has Derived Dataset Relation (EDAHasDerivedDataset) Can be type appropriate for data. and naming - or script to Dataset is attached to Item Revision via achieve Other Derived Datasets (any dataset type) EDAHasDerivedDataset relationship.

DA Has Derived Dataset Relation (EDAHasDerivedDataset)

# Gateway Component Library (Altium DbLib, Orcad CIS)



## **Cadence Allegro Component Library**

