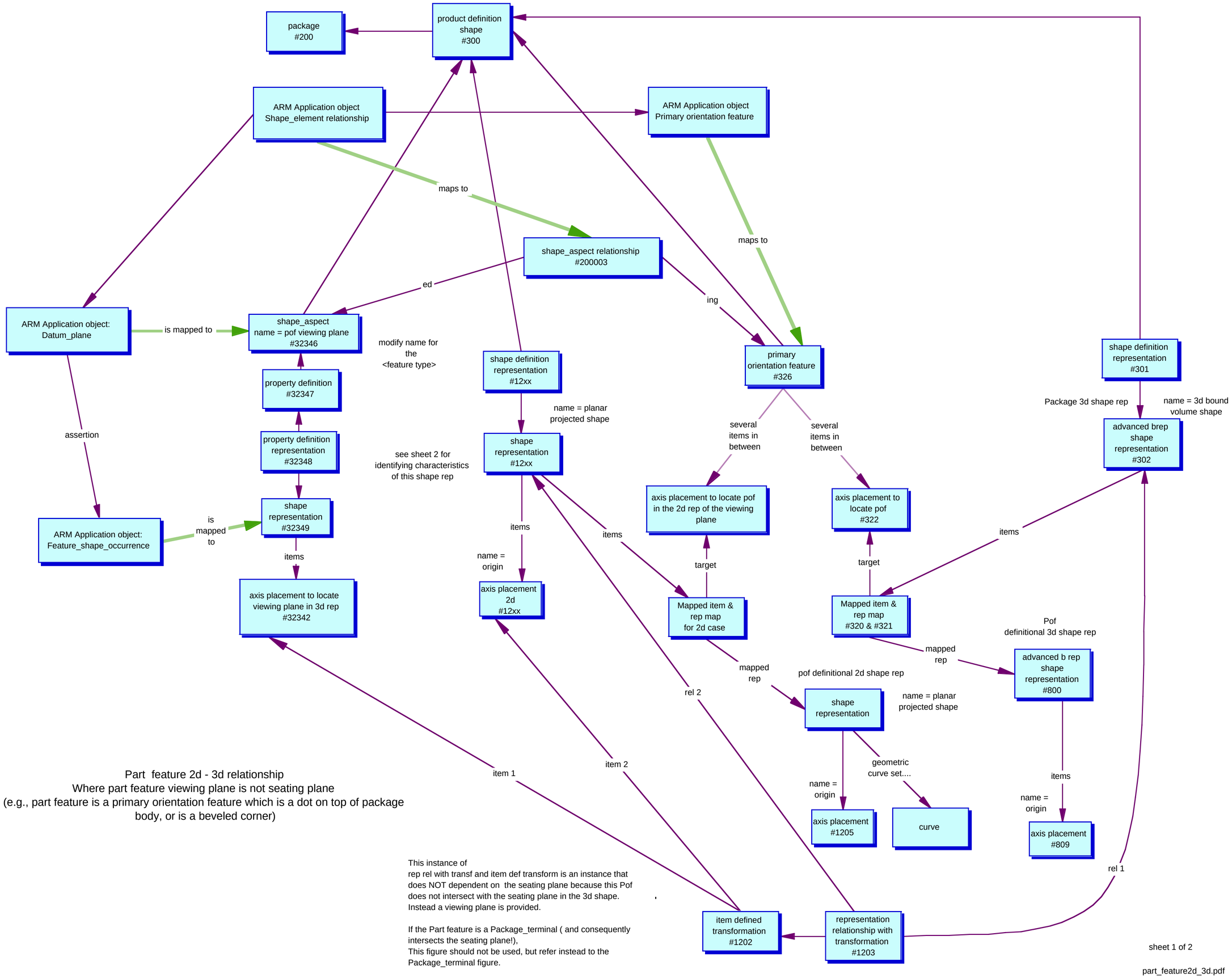
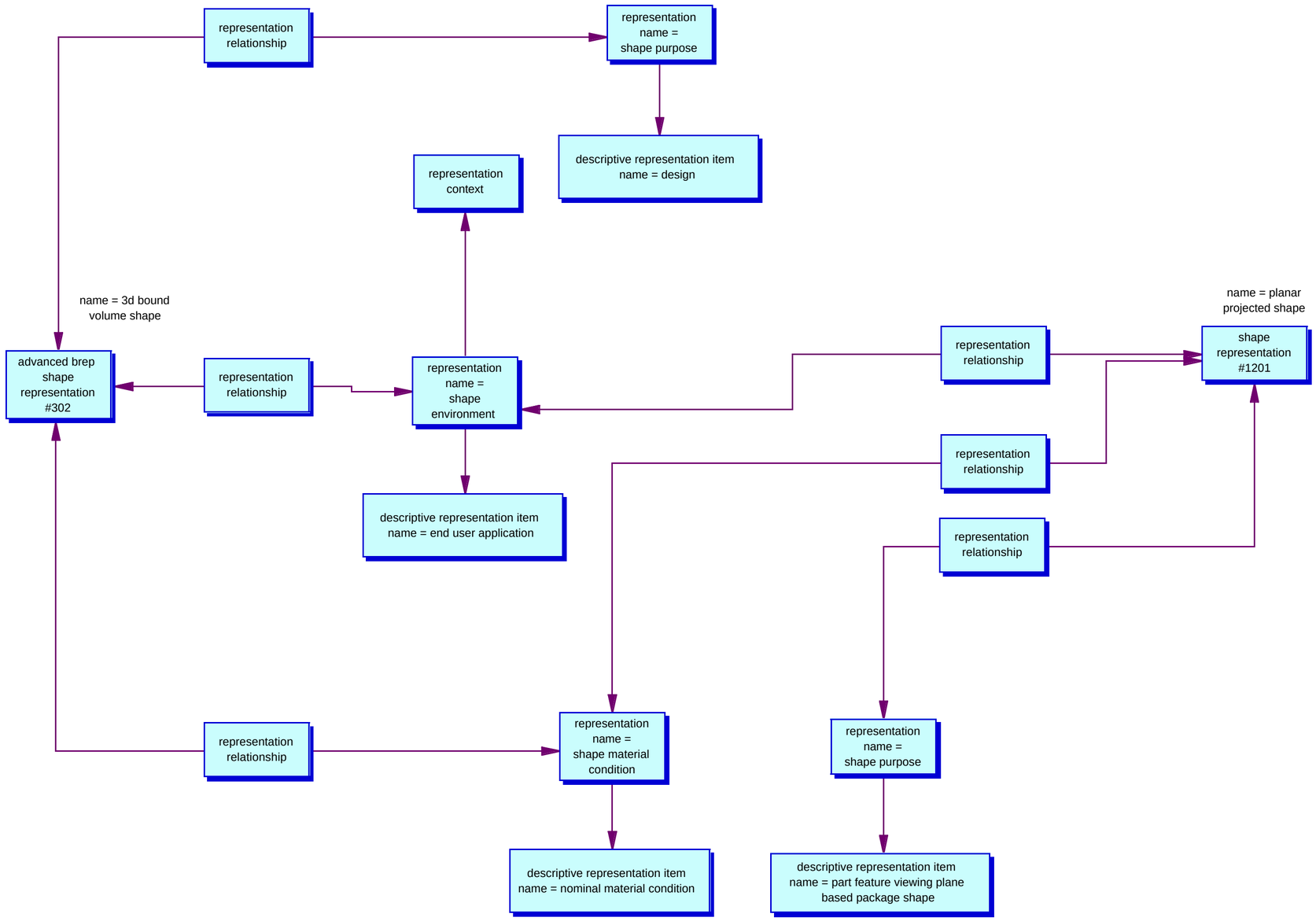


Part feature 2d - 3d relationship
Where part feature viewing plane is not seating plane
(e.g., part feature is a primary orientation feature which is a dot on top of package body, or is a beveled corner)

This instance of
rep rel with transf and item def transform is an instance that does NOT dependent on the seating plane because this Pof does not intersect with the seating plane in the 3d shape. Instead a viewing plane is provided.

If the Part feature is a Package_terminal (and consequently intersects the seating plane!),
This figure should not be used, but refer instead to the Package_terminal figure.

This example uses Primary orientation feature for illustrative purposes.


representation relationship
representation name = shape purpose
descriptive representation item name = design
representation context
name = 3d bound volume shape
advanced brep shape representation #302
representation relationship
representation name = shape environment
representation relationship
name = planar projected shape
shape representation #1201
representation relationship
descriptive representation item name = end user application
representation relationship
representation relationship
representation name = shape material condition
representation name = shape purpose
descriptive representation item name = nominal material condition
descriptive representation item name = part feature viewing plane based package shape