Diagram, engineering drawing

Description automatically generated

Required generation file

@Ecore(nsURI="http://www.example.org/metamodel")

**package** org.eclipse.pss.dsl.metamodel

**abstract** **class** Abstract\_Component {

String Component\_identifier

**contains** Action[] action

**refers** Abstract\_Component[] ^extends

**contains** pool[] pool

}

**abstract** **class** Object {

String[1] Object\_identifier

}

**class** Component **extends** Abstract\_Component {

**contains** Data\_Object[] data\_object

}

**class** RootComponent **extends** Abstract\_Component {

**contains** Data\_Object[] data\_object

}

**abstract** **class** DataFlow\_Object **extends** Object {

}

**abstract** **class** Data\_Object **extends** Object {

}

**class** Resource **extends** Data\_Object {

Resource\_kind type\_identifier

}

**enum** Resource\_kind {

None

rand = 1

lock = 2

share = 3

}

**class** RootComponent **extends** Abstract\_Component {

**contains** Component\_Invocation[] component\_invocation

**refers** Action\_invocation action\_invocation

}

**class** Action {

String action\_identifier

**contains** Object[] object

**contains** Activity[] activity

}

**class** Activity {

**contains** Action\_invocation[] action\_invocation

}

**class** PssModel {

**contains** Abstract\_Component[] component\_declaration

**contains** Action[] action

}

**class** Component\_Invocation **extends** Component {

**refers** Component[] component

}

**class** Stream **extends** DataFlow\_Object {

**boolean** input

**boolean** output = "true"

}

**class** Buffer **extends** DataFlow\_Object {

**boolean** input = "true"

**boolean** output = "false"

}

**class** pool {

**contains** Object[] object

}

**class** Action\_invocation **extends** Action {

**refers** Action[] action\_instance

}