```
Component
# id
# defaultValue
# minValue
# maxValue
# netlist
+ Component()
+ Component()
+ operator==()
+ setComponentValues()
+ getType()
+ setID()
+ getID()
+ setMaxValue()
+ getMaxValue()
+ setMinValue()
and 6 more..
# validNetlist()
# setNetlist()
# validComponentValues()
# setSingleNetlistTerminal()
# copyComponentValues()
       Three Terminal
  + ThreeTerminal()
  + ThreeTerminal()
  + connectedTo()
  + setDrain()
  + setGate()
  + setSource()
  + getDrain()
  + getGate()
  + getSource()
  + printComponentInfo()
  # validNetlist()
  # setNetlist()
          NMOS
  + operator=()

    + NMOS()

    + NMOS()

  + getType()
  + printComponentInfo()
```