```
Component
# id
# defaultValue
# minValue
# maxValue
# netlist
+ Component()
+ Component()
+ operator==()
+ setComponentValues()
+ getType()
+ setID()
+ getID()
+ setMaxValue()
+ getMaxValue()
+ setMinValue()
and 6 more...
# validNetlist()
# setNetlist()
# validComponentValues()
# setSingleNetlistTerminal()
# copyComponentValues()
       TwoTerminal
  + TwoTerminal()
  + TwoTerminal()
  + setT1()
  + setT2()
  + connectedTo()
  + getT1()
  + getT2()
  + printComponentInfo()
  # validNetlist()
  # setNetlist()
         Resistor
  + Resistor()
  + operator=()
  + Resistor()
  + getType()
  + printComponentInfo()
```