

Polygon Connect Style

Modified by Jason Howie on Oct 20, 2014

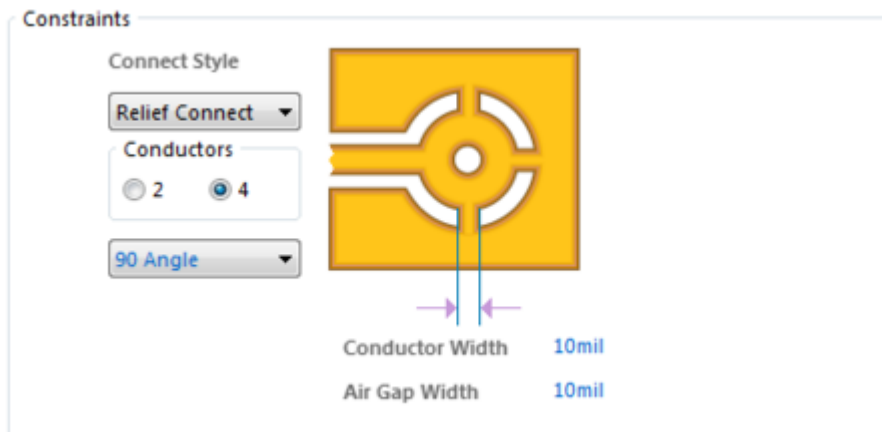
Rule category: [Plane](#)

Rule classification: Binary

Summary

This rule specifies the style of the connection from a component pin to a polygon plane.

Constraints



Default constraints for the Polygon Connect Style rule.

Connect Style - defines the style of the connection from a pin of a component, targeted by the scope (Full Query) of the rule, to a polygon plane. The following three styles are available:

- **Relief Connect** - connect using a thermal relief connection.
- **Direct Connect** - connect using solid copper to the pin.
- **No Connect** - do not connect a component pin to the polygon plane.

The following constraints apply only when using the **Relief Connect** style:

- **Conductors** - the number of thermal relief copper connections (2 or 4).
- **Conductor Width** - how wide the thermal relief copper connections are.
- **Angle** - the angle of the copper connections (45° or 90°).
- **Air Gap Width** - the distance between the edge of the pad and the surrounding polygon.

How Duplicate Rule Contentions are Resolved

All rules are resolved by the priority setting. The system goes through the rules from highest to lowest priority and picks the first one whose scope expression(s) match the object(s) being checked.

Rule Application

During polygon pour.

Source URL:

[http://documentation.circuitmaker.com/display/CMAK/PCB_Dlg-PolygonConnectStyleRule_Frame\(\(Polygon+Connect+Style\)\)_CM](http://documentation.circuitmaker.com/display/CMAK/PCB_Dlg-PolygonConnectStyleRule_Frame((Polygon+Connect+Style))_CM)