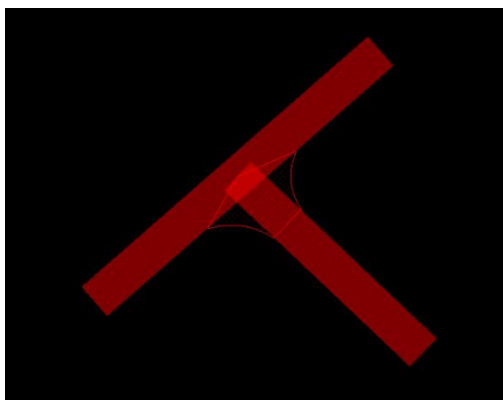
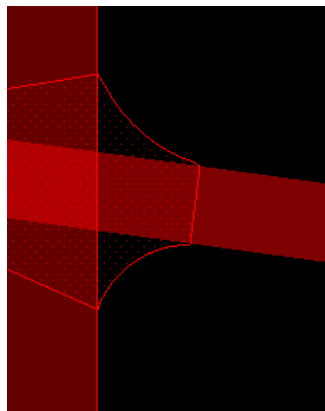
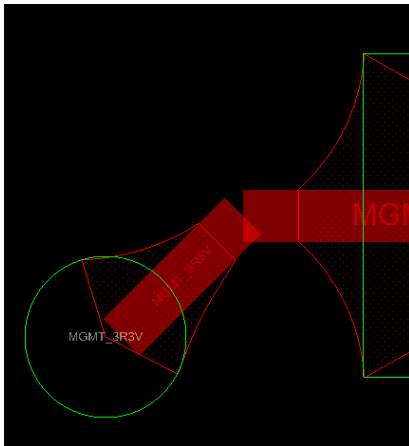


Teardrop

Creates shape-based teardrops also known as fillets at trace-to-pad intersections. This ensures that the hole or bend will not create a possible open at this point.

Features:

- Teardrop outlines and Allegro generated fillet outlines may be edited.
- Makes the process of generating and editing teardrops easier.
- Works with shape connections and cline T intersections.



Options

dal teardrop

Teardrop

[Add select] [Add all] Rpt

Add incremental [?]

[Delete select] [Delete all]

Enabled layers [?] Viewlog

Length from pad edge 1.25X [?]

Width from cline side 1X [?]

Tangent rectangular pads [?]

Tangent circular pads [?]

Skip line widths < 6.0 [?]

Skip line widths > 20.0 [?]

Skip segment % > 80 [?]

Dynamic shape teardrops

Arc gradient

Ignore fixed (pin/via/shape)

Ignore NO_FILLET (net/pin/via)

Ignore NO_GLOSS areas/props

Ignore Route keep out areas

Ignore prop override (sym.net.pin.via.shp) [?]

Ignore constraint area props [?]

Skip pads with multiple connections

Cline tee teardrops

Allow DRCs

Fillet (Standard type)

[Add/Convert select] [Add all]

[Delete select] [Delete all]

[Convert fillet to teardrop] [Params]

Add all dynamic fillets

Prop -> -> Missing -> HL ->

[Help]

Reports

The screenshot shows a window titled "Report" with a menu bar containing "File", "Close", and "Help". The main content area displays the following text:

```
944 missing teardrop(s) found.

#,Layer,XY,Netname
1, TOP, (-139.7175 -3446.546), DUMMY_NET
2, TOP, (-205.4784 -3512.307), DUMMY_NET
3, TOP, (-117.0 -3028.181), DUMMY_NET
4, TOP, (-277.0 -3027.413), DUMMY_NET
5, TOP, (153.5 -3541.5), DUMMY_NET
6, TOP, (153.5 -3448.5), DUMMY_NET
7, TOP, (149.0 -3058.647), GND
8, TOP, (179.0 -2477.413), DUMMY_NET
9, TOP, (165.0 -2015.413), DUMMY_NET
10, TOP, (235.0 555.0), P1R3VA
11, TOP, (235.0 690.0), GND
12, TOP, (345.2055 -3527.563), DUMMY_NET
13, TOP, (384.238 -3443.15), DUMMY_NET
14, TOP, (204.5 -1490.0), UNNAMED_6_LED_I140_C
15, TOP, (360.9375 450.0), P1R3VA
16, TOP, (341.1612 511.1612), P1R3VA
17, TOP, (291.1612 511.1612), P1R3VA
18, TOP, (341.1612 661.1612), GND
19, TOP, (341.1612 611.1612), P1R3VA
20, TOP, (341.1612 561.1612), P1R3VA
```

On the left side, there is a vertical menu with the following items: "Report", "Highlight", "Dehighlight", "Drc", and "Clear drcs". An arrow points from the "Report" item in this menu to the main report content area.

The missing teardrop report is sorted by layer and zooms to the location when the xy is clicked with the left mouse button.

DRC

- Report
- Highlight
- Dehighlight
- Drc
- Clear drcs

LISTING: 1 element(s)

< DRC ERROR >

Class: DRC ERROR CLASS
Subclass: TOP
Origin xy: (3445.0000 416.9815)
Constraint: Externally Determined Violation
Constraint Set: Missing teardrop/fillet
Constraint Type: EXTERNAL REFERENCE

Constraint value: None
Actual value: NONE

Element type: SYMBOL PIN
Class: PIN

PIN: C17.2
pinuse: UNSPEC
location-xy: (3425.0000 415.0000)
part of net name: GND

Element type: CONNECT LINE
Class: ETCH
Subclass: TOP

part of net name: GND

Note: The board manufacturer may use Valor to add teardrops automatically. This tool is for those companies that do not allow the artwork to be modified by the fabricator to ensure consistent results.

Help

