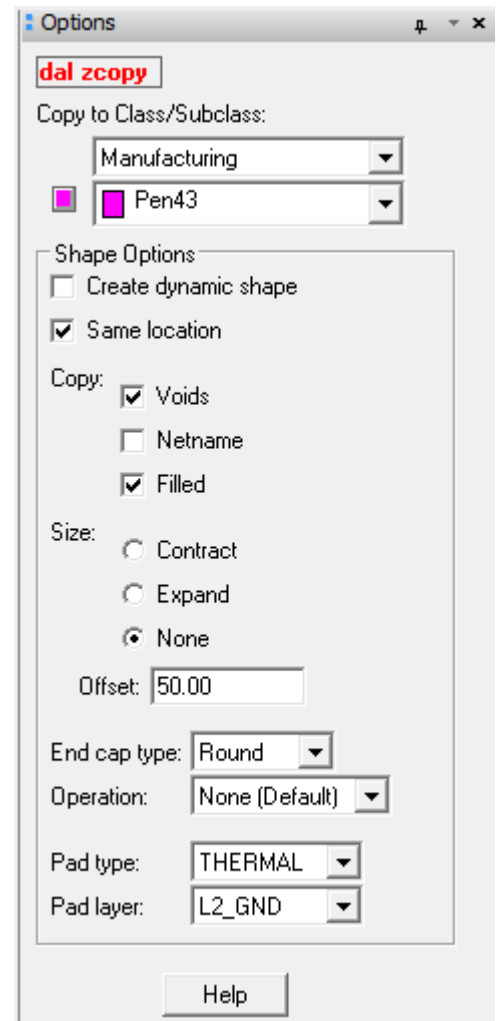
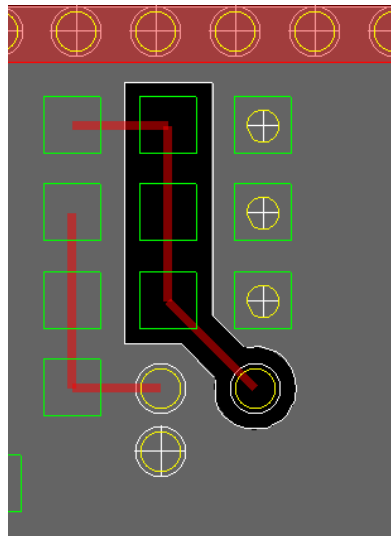


Zcopy

Converts objects to shapes with advanced capabilities.

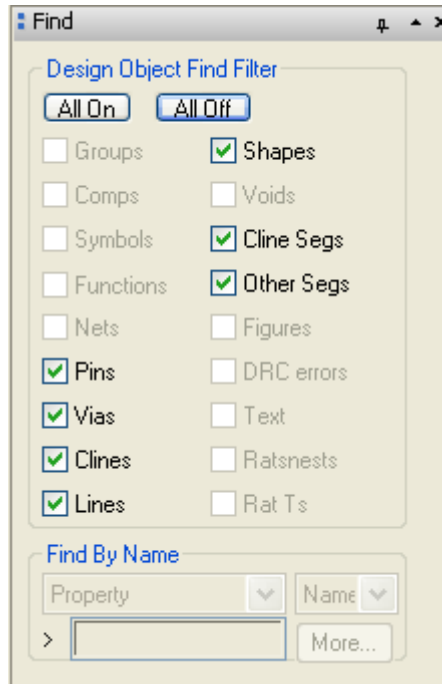
Features:

- Same functionality as Allegro zcopy but with enhanced support for pin, via, cline and line conversions.
- Useful for adding impedance tubs under high speed traces and pads..
- Supports or'ing multiple shapes into a single shape.
- Supports round and square end caps.
- Copies objects as shapes to any layer that supports shapes.



[Pins, via and clines are easily expanded on the route keepout layer providing a GND impedance tub](#)


Example



[Supported objects for conversion to shapes](#)

Help

1.0_019 02-27-2015



Help

Command: dal zcopy

Purpose: Operates much like the standard "zcopy shape" command except it includes enhanced capabilities.

Copy to Class/Subclass:
Selects the layer in which the objects that are converted to shapes are copied.

Shape Options:

- Create dynamic shape
When selected the shape will be dynamic if copied to an etch layer.
- Same location
When selected the objects are copied to the same xy location.
- Copy:
Voids - The shape voids will be copied when selected.
Netname - The shape netname will be copied when selected.
Fill - If selected the copied shapes will be filled.
- Size:
Contract - The shape is made smaller by the distance in the offset box.
Expand - The shape is made larger by the distance in the offset box.
None - The shape is not expanded or contracted.
- Offset: - The value the shape is contracted or expanded.

End cap type: - Type of rounding for the endpoints of lines/clines. Square or round.

Operation:
None - No operation is performed.
And - Shapes that overlap are copied.
Or - Shapes are combined/merged into a single shape when they overlap.
Andnot - Subtracts one shape from another.

Pad type: Controls the type of pad graphics to copy for pins and vias. The choices are regular, anti, thermal or the drill size.

Note: If pin and via are selected in the find filter, then all visible pad layers are copied as shapes.

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Ok