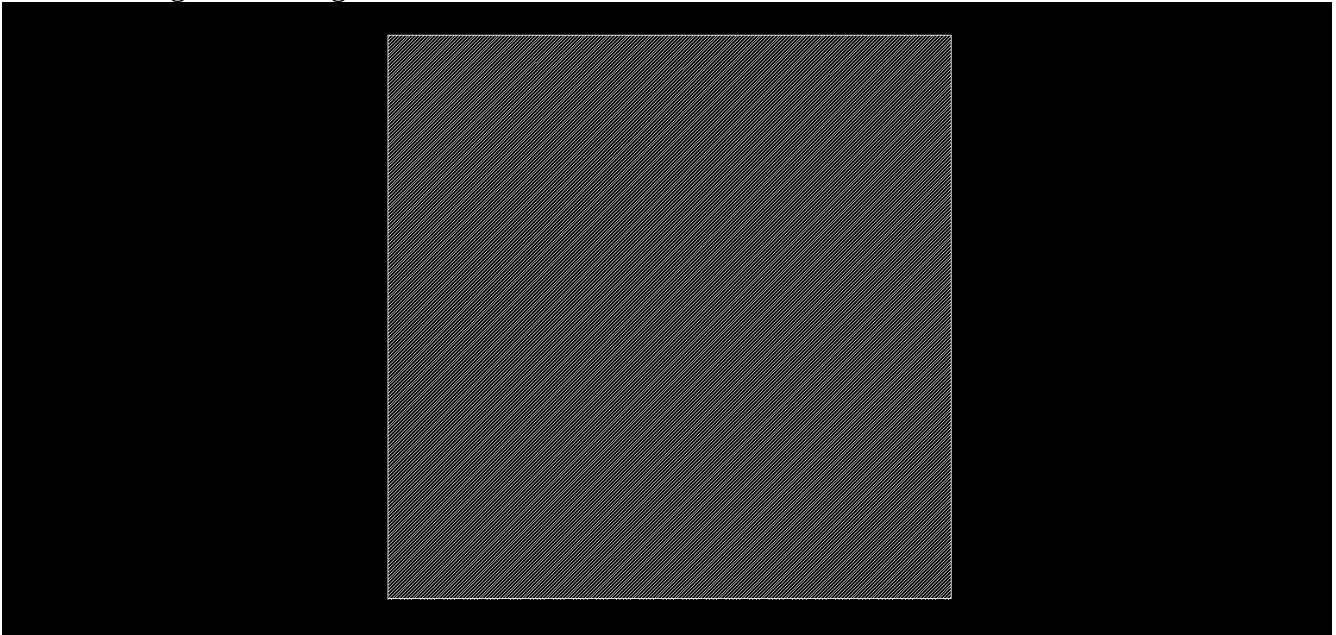


Layout Documentation

Drawing units are millimeters.

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See LICENSE.txt for details

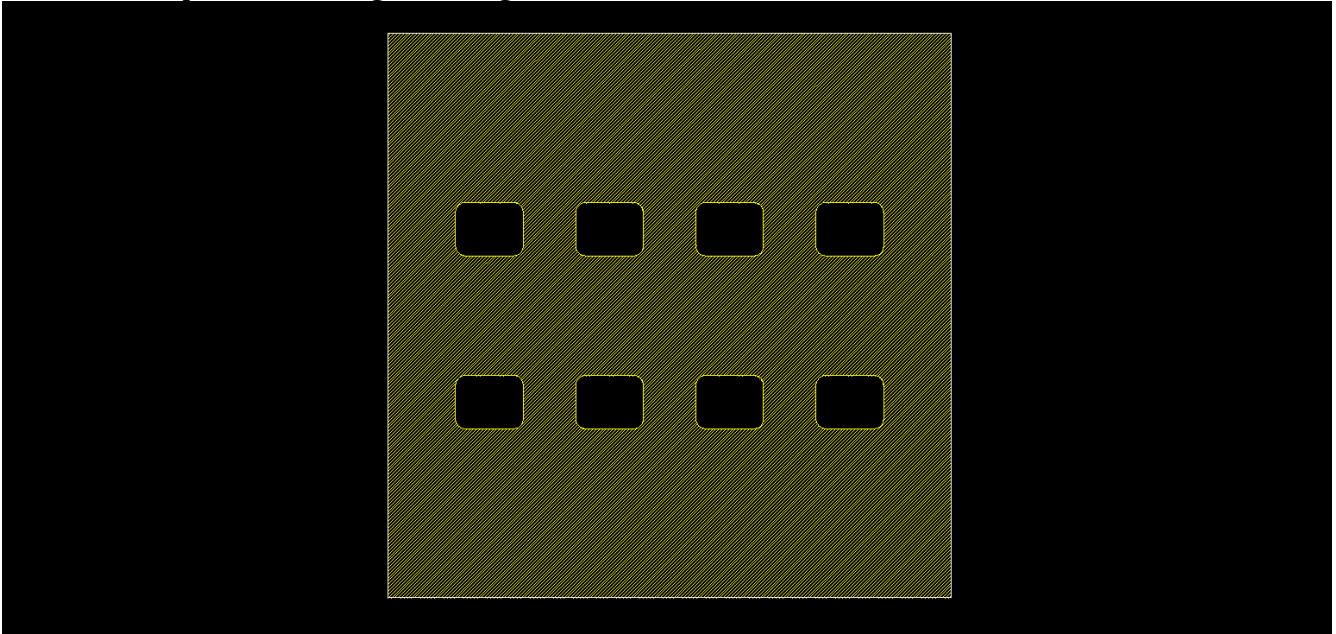
Glass drawing file name: glass.dxf



Nominal dimensions: 30.00 mm square

Final shape tolerance: 0.2mm or better on the “shadow” (2D projection) of the glass piece

Illumination aperture drawing name: light.dxf



light mask holes, nominally:

a: area = 10 mm²

r: radius = $-\sqrt{(h*w-a)}/\sqrt{4-\pi} \approx 0.530959$

h: height = 2.845 mm

w: width = 3.6 mm

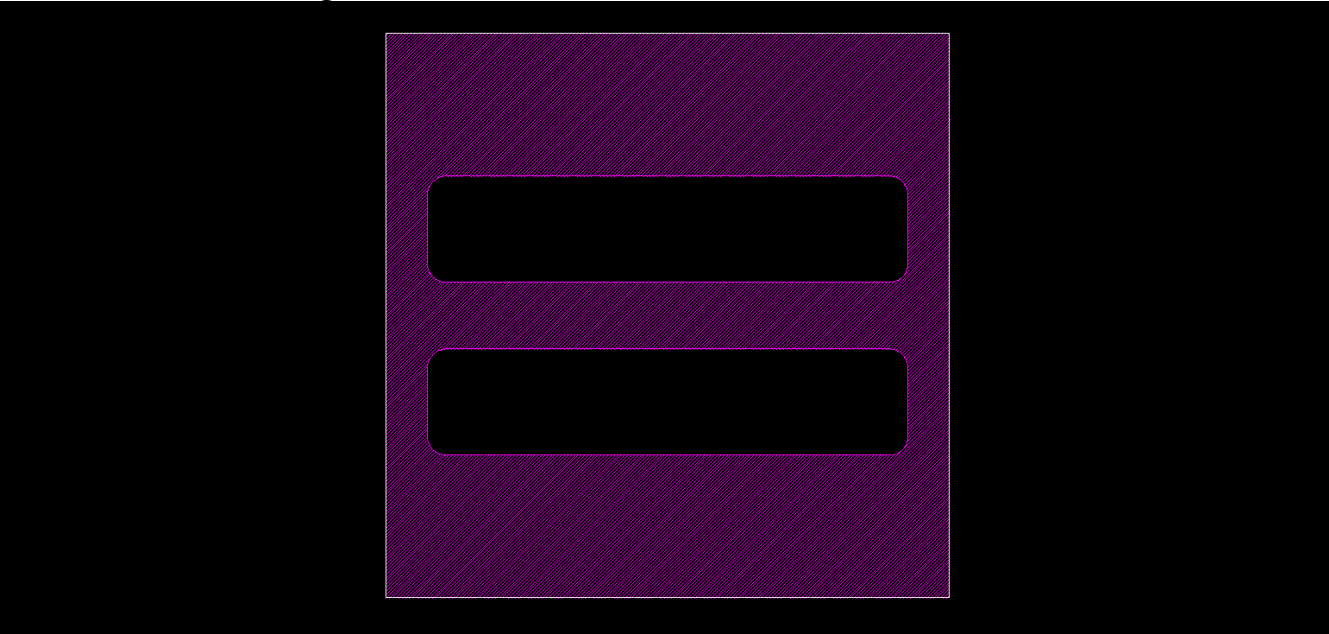
governing equation: $(a-r*\pi)/h = w$

nominal geometric dark area

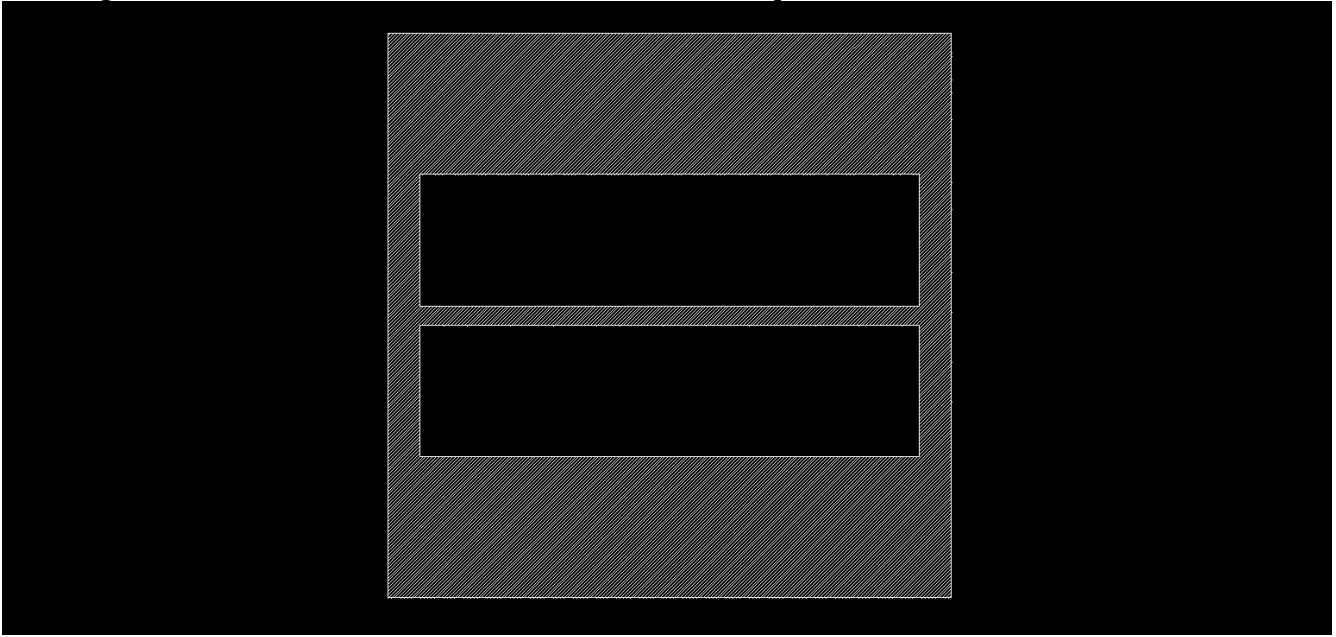
dark area = 15.666 mm²

found by inspection of the drawing

Active area mask drawing name: active.dxf

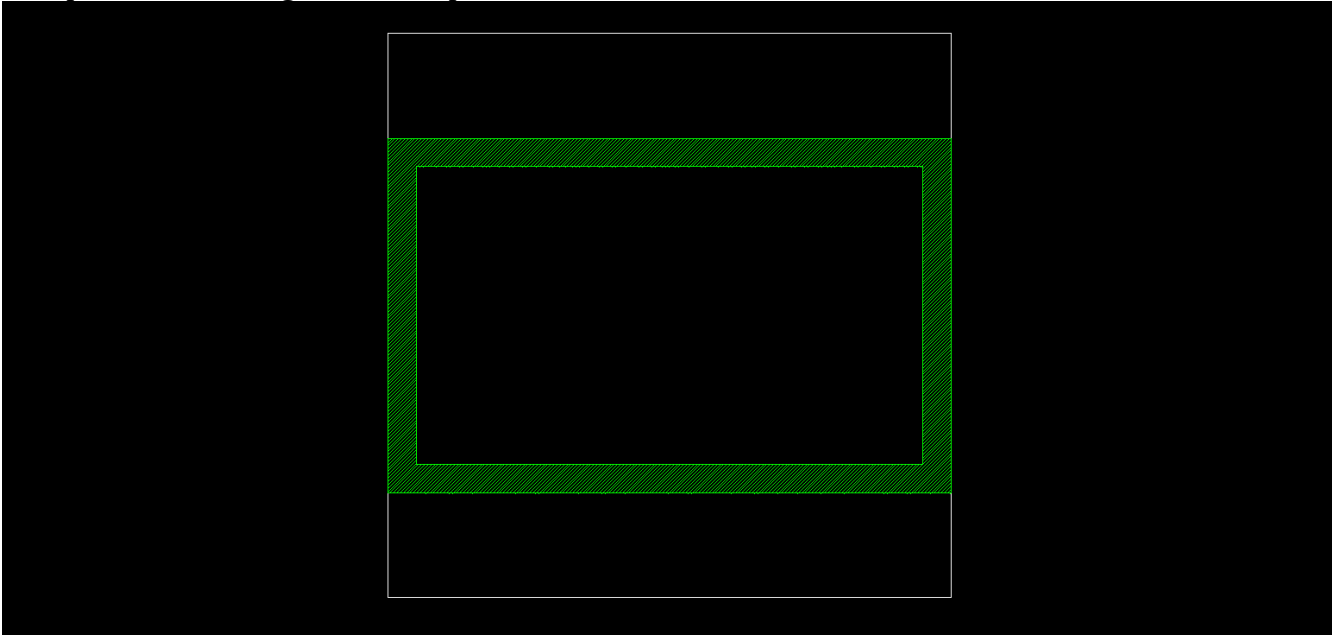


Drawing name for areas that must be clean when metal is deposited: clean.dxf



Everything except the two central black rectangles shown here must be clean when metal deposition takes place so that metal is deposited directly onto glass or TCO with no absorber/ETL/HTL or other device layers in between.

Encapsulation drawing name: encapsulation.dxf



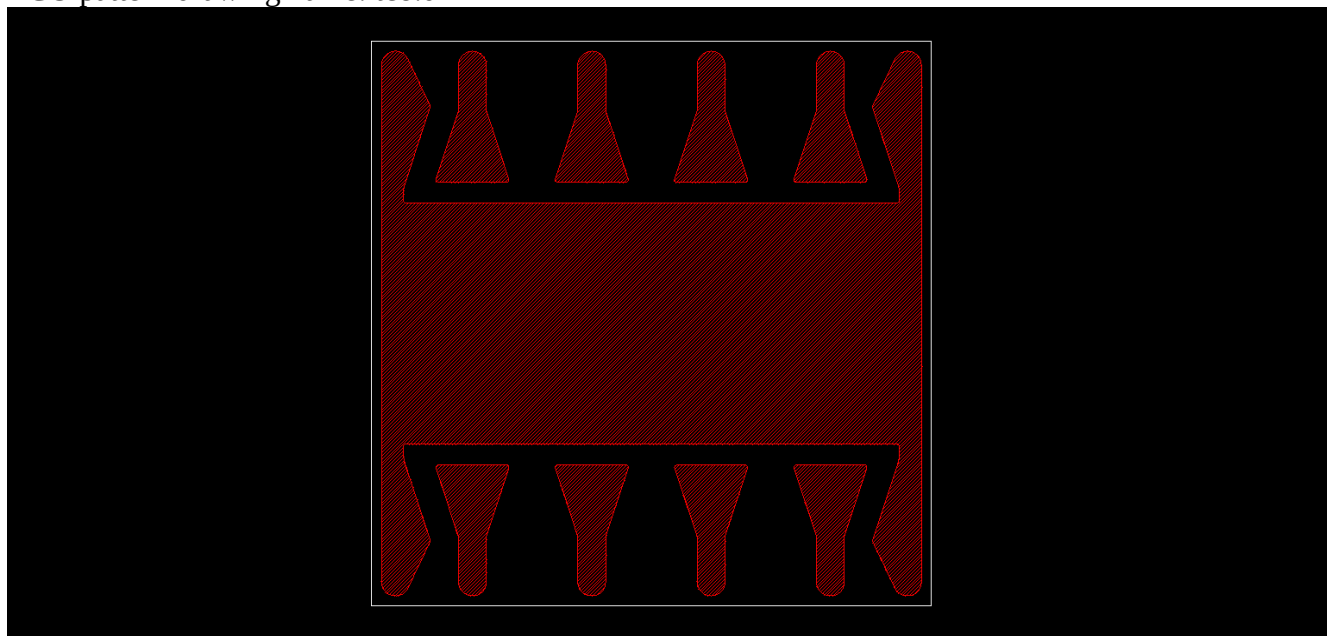
The outer dimensions of the encapsulation glass should be 30mm by 18.84mm. The inner pocket should be 27mm by 15.84mm so that the nominal width of glued region is 1.5mm wide.

Metal mask drawing name: metal.dxf



Pixel #1 indicated by a flat region in the lower left corner.

TCO pattern drawing name: tco.dxf



TCO should remain in the red hatched areas, bare glass in the black areas.