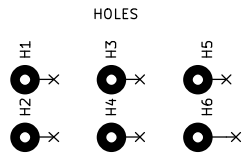

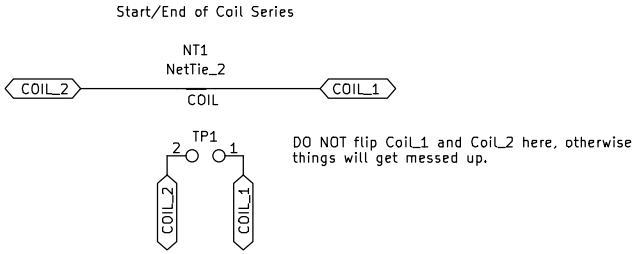

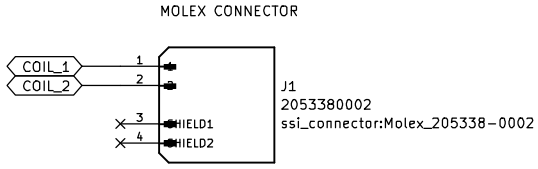

If Coil_1 (+): Out of Satellite On This Face
If Coil_2 (+): Into Satellite On This Face

This board takes in 12V from port 1 & 2 via the Molex connector and runs the current through the embedded coils in the five copper layers. 2 of the identical PCB boards will be soldered together to generate the desired amount of moment. This schemetics represents only *1* of the boards.

Per PCB board:
average x coil length (mm) = 113.54499999999999
average y coil length (mm) = 47.83999999999999
number of turns n = 29-30
current per board (A) = 0.45630724992366367
moment generated per board (A·m2)= 0.3594053659451054