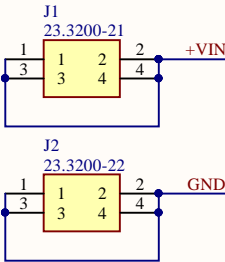
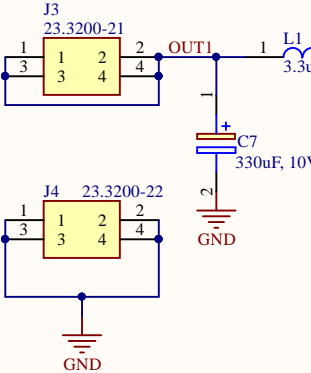


Input



Output 1



Output 2

