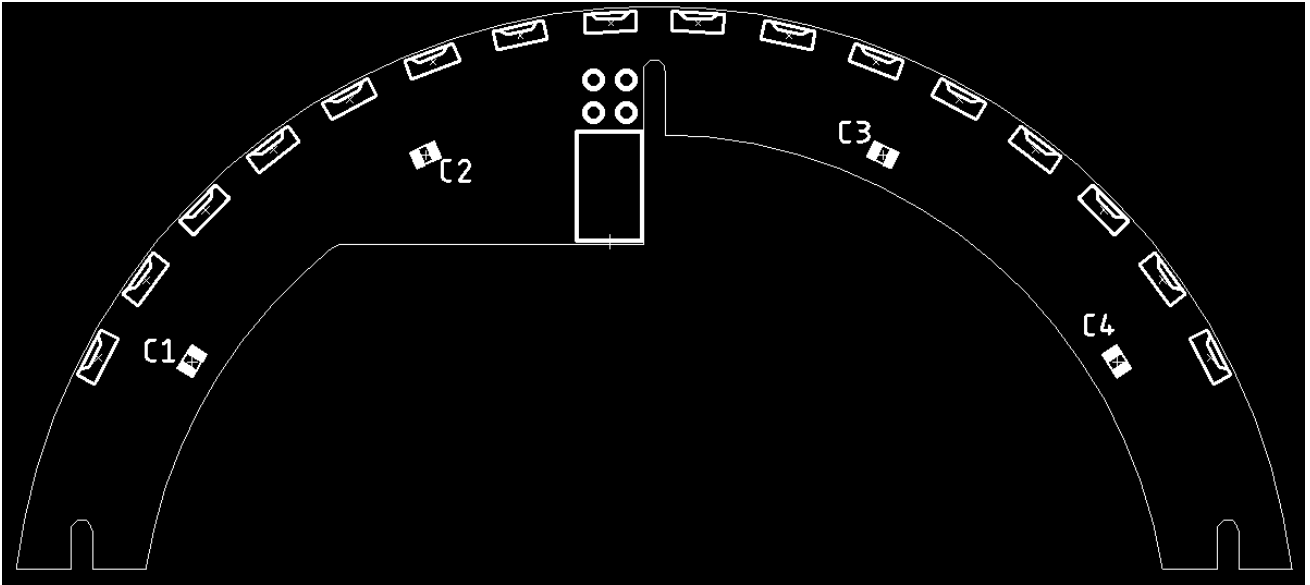


# HiboTronix **DiscoBall Assembly**



## Parts Required:

### SMD Components

Designator	Part	Qty	Example Link
C1,C2,C3,C4	0805 100nF(0.1uF) CAPACITOR	96	Digikey

### Other Items

Description	Qty
SK6812-SIDE-4020 LEDs	384

(These LEDs can be obtained from AliExpress and EBAY, possibly other places too!)

## PCB And Stencil

You need the following:

24x DiscoBall LED Ribs PCBs

Gerber files can be found on [GitHub](#)

Files for the LED Ribs are in folder: DiscoBall\_Rib\_PCB.zip

Files for the SMD stencil are in folder: DiscoBall\_Rib\_Stencil.zip

## Assembly:

1) Paste and assemble SMD components to board

- 2) Place the 2x2 pin header in the PCB from the LED side, using something to hold it aligned with the edge of the board and the silkscreen, solder it in.
- 3) Repeat 24 times.
- 4) My advice would be to test each rib individually before final assembly, I had an old Arduino UNO with some male to male Dupont cables as a temporary test jig.

Once you have 24 assembled and tested ribs, use the instructions in [DiscoBall\\_Assembly\\_2.pdf](#) to complete your DiscoBall.