The original "gembrane" basic instructions for making a replacement one using a Silhouette Cameo V2 printer. Files are only for the EMU Proteus MPS keyboard

Materials checklist:
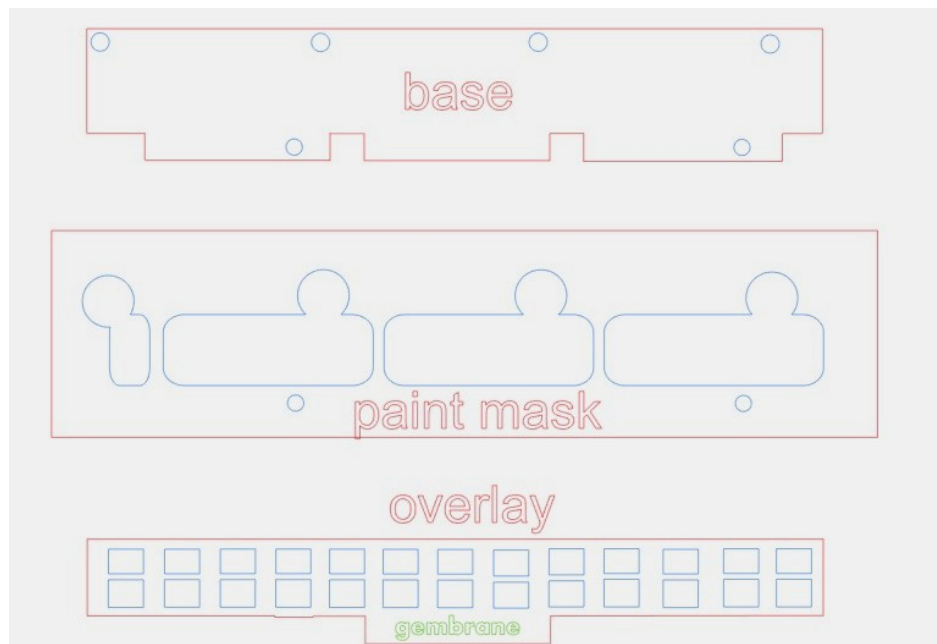1 – various sheets of plastic for cutting the "base" and "paint mask"
2 – Vinyl for cutting the overlay.
3 – Nickel conductive spray or carbon. Carbon doesn't seem as strong but it works.
4 – Tack spray adhesive.
5. A steady hand and a Silhouette Cameo V2 Printer

Note: always spray in a well ventilated area.

The base is the first item you will need to cut. The plastic needs to be very flexible. About .004 thick. Laser transparencies do not work.
I used index dividers and sheet protectors from the dollar store. Always cut the holes first before the main shape.
This is the side that will be sprayed with conductive paint. Before painting, use steel wool to rough up the surface. Hold the base firmly to prevent tweaking or bending while sanding. Use a tack spray on the surface you are going to use for painting the base using the mask.

Cut the blue shapes of the mask first - you can also make the holes another color and cut those before cutting the conductive spray mask shapes. Spray the underside lightly with a tack spray tack and carefully line up the bottom holes.

After spraying and drying, carefully lift the mask up. Sometimes it rips. Maybe try lifting while still wet?

Cut the green and blue colors first using vinyl paper. You won't need the cut mat for cutting it. Can't be the cheap really thin vinyl. Use a vinyl similar to the ones silhouette supplies.