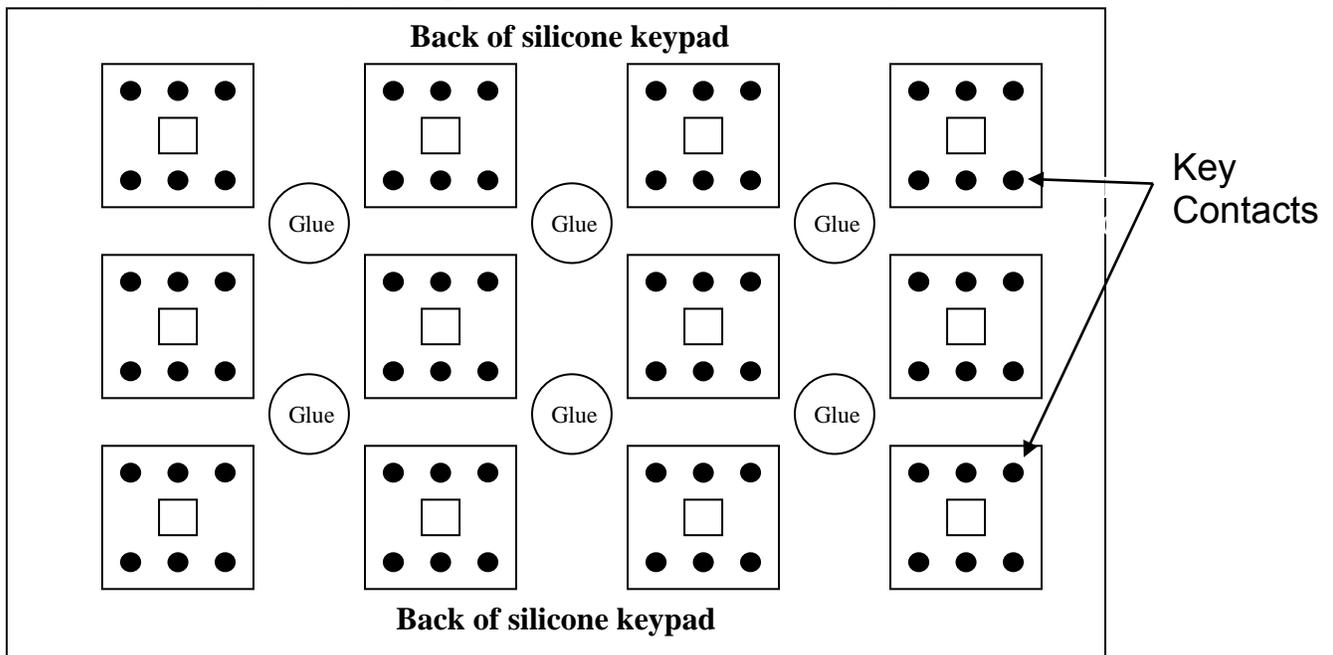


Step 1: Materials Needed for an OEM Assembly



1. OEM Printed Circuit Board
2. Silicone Rubber Keypad Overlay
3. Cable
4. Silicone RTV Glue

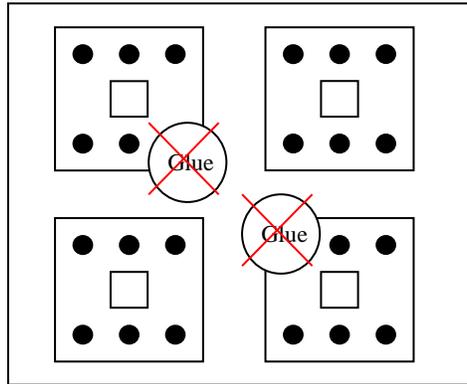
Step 2: Applying Adhesive to Silicone Overlay



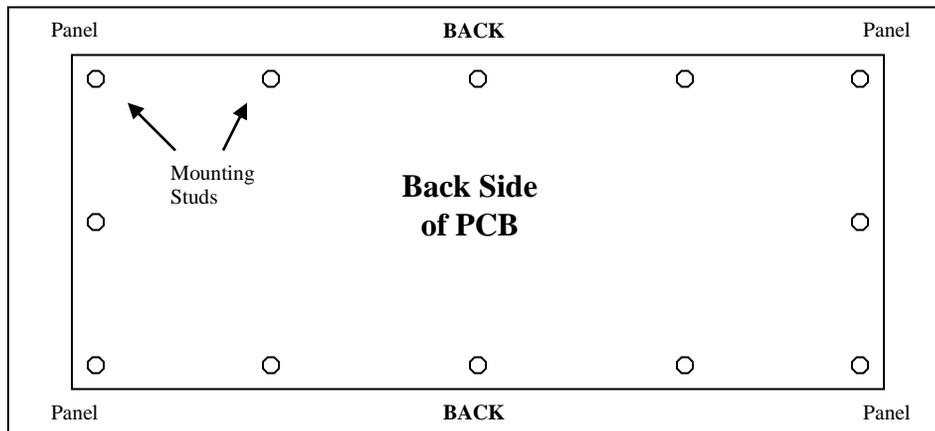
Apply silicone adhesive [Stealth recommends SuperFlex by Loctite] to back side of silicone overlay (keypad). Sparingly dab glue on the middle of each key intersection across the whole keyboard as seen in this picture.

Be careful not to drop silicone on any key contacts.

INCORRECT GLUING PROCEDURE

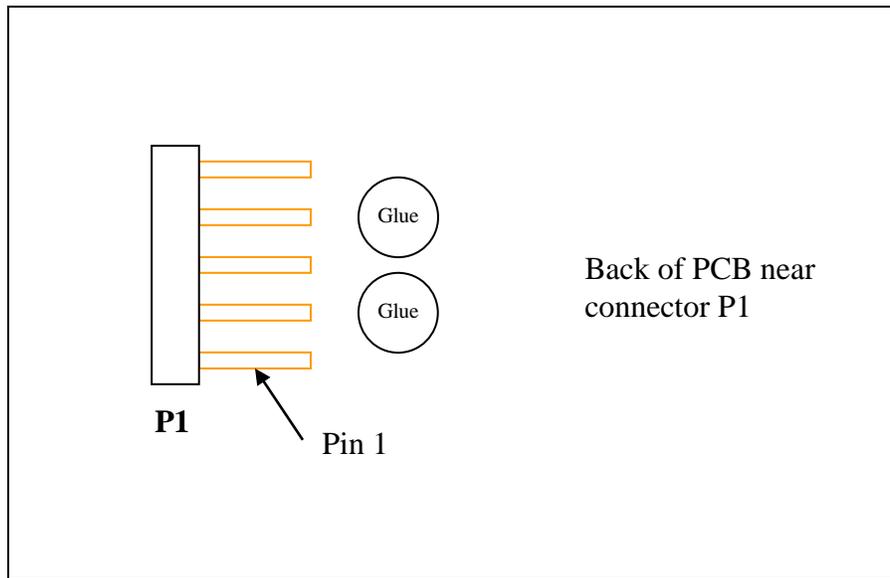


1. Put the silicone rubber keypad into place on the panel or enclosure you are using. Do not place PCB yet.
2. Seat the keypad in the mounting cutout by sliding one edge at a time into the cutout space.
3. Spread the keypad to be sure it is well seated on all four sides. Ensure that the lip is through the cutout all the way around the pad.
4. When the keypad is in place, gently allow the board to fall into place on top of the keypad so no glue is displaced onto a key trace, or key contact. (**Note:** make sure the PCB and pad are oriented in the same direction.)

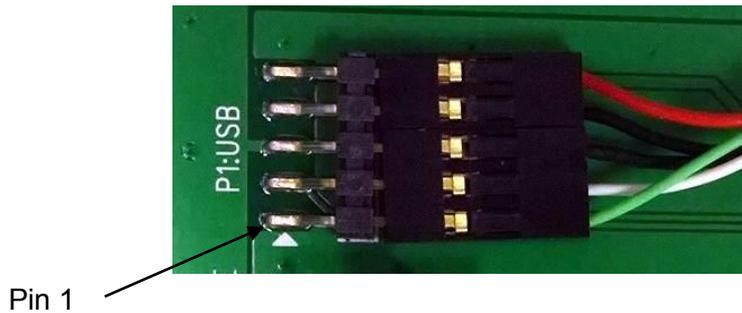


5. Tighten hex nuts until keypad is just SLIGHTLY compressed between panel and PCB. We recommend 1.5 in/lbs. of torque when tightening.
6. Run fingers between all keys to ensure a good silicon and PCB bond.
7. Allow glue to cure for 1 hour

Step 4: Wiring for Keyboard



Add a dab or two of glue on the PCB just in front of the connector so that the cable header will sit on the glue when connected to the board and make itself more secure. The picture above illustrates the placement of the glue prior to the connection



USB Cable: Green, White, Dull Black, Shiny Black, Red



PS2 Cable: Blue, Black, Red, Black, Brown

Custom Cables Signal Layout

USB MOUSE	
P1 (1x5 Header)	
PIN	Connectivity Function
1	D+ green
2	D- white
3	Chassis ground dull black
4	Signal ground shiny black
5	Power (+5VDC) red

PS2 MOUSE	
P2 (2x5 Header)	
PIN	Connectivity Function
1	NC
2	NC
3	PS2 Clock
4	Chassis Ground
5	Signal Ground
6	NC
7	NC
8	PS2 Data
9	NC
10	PS2 (+5 VDC)

If you should have any additional questions, please feel free to contact Stealth directly at (888) 783-2584 or <http://www.stealth.com/support.htm>

