About Dexcom: Dexcom is a medical device company which develops continuous glucose monitoring sensors for diabetic patients. This sensor is attached to the user's body with an applicator and measures glucose levels in the interstitial fluid of the patient. Data from the sensor is sent to the patient's phone, allowing them to constantly track their glucose levels.

Dexcom Advisors: Sonia Goetschius, Nam Hoang

Problem: Currently ultrasonic welding is used to attach the three primary molded components of the applicator together, which is costly and not particularly reliable for high volume manufacturing.

Need: Develop a new method of mechanical attachment for the kangaroo applicator. Decided on snap fit components: Clamshell A to Chassis, Clamshell B to Chassis, and Clamshell to Clamshell press components.

Team Dextech

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