Printed Circuit Board Layout: Production Design
This 4-layer printed circuit board is the production design for SimEscape. It mounts to the simulation helmet and contains all of the processing components. In addition, it serves as a mounting point for the two LCD panels in the helmet. This design was not prototyped by the team due to the high cost of one-off PCB fabrication (PCB construction, solder stencil, and PCB population).

Printed Circuit Board Layout: Mirror Interface
This 2-layer printed circuit board acts as an interface between the displays and sensors for the mirror-mount enclosure. This board is for testing and development.

Printed Circuit Board Layout: Front Interface
This 2-layer printed circuit board is functionally identical to the mirror interface board, but contains mounting points for forward display mounting, as opposed to mirrored mounting.