

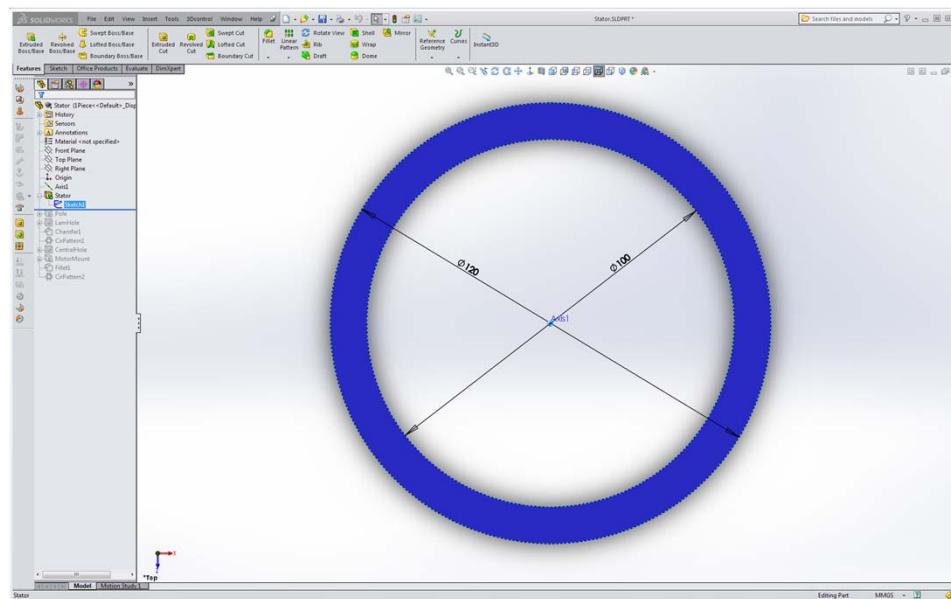


Solid Parts

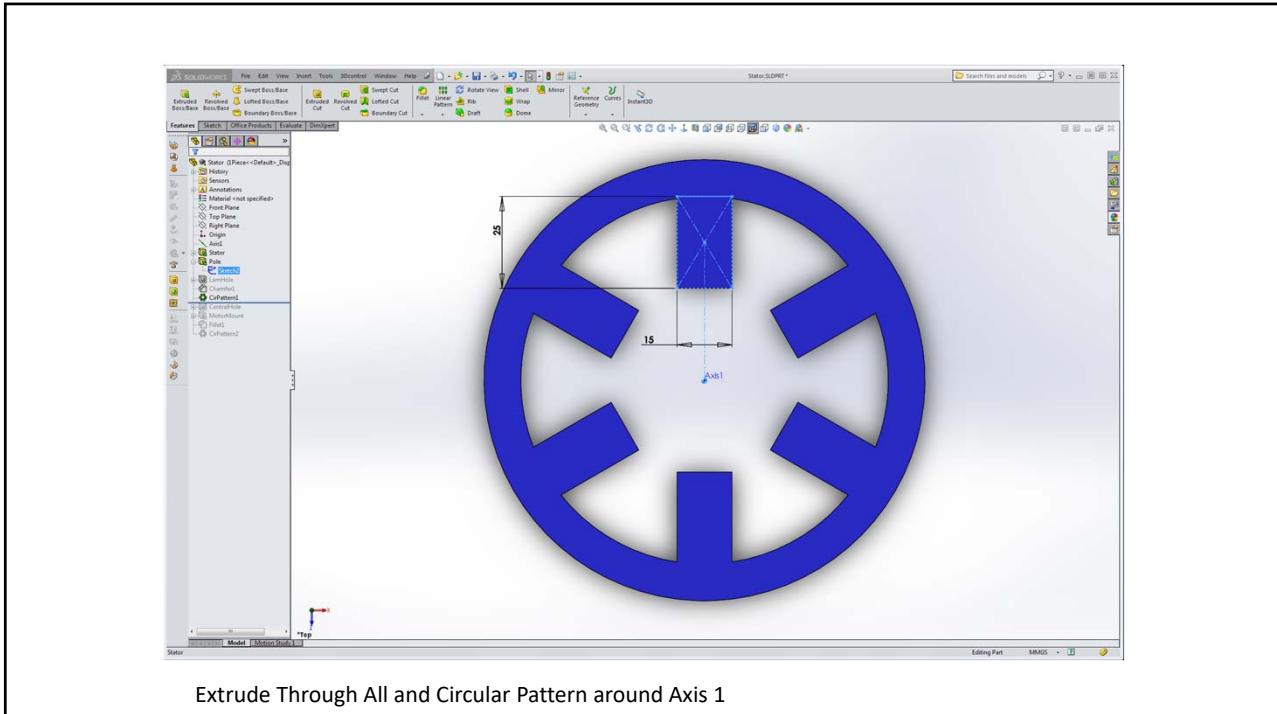
- Stator
 - Sketches
 - Black lines
 - Driven geometry
 - Design Tree
 - Rearrange order
 - Referenced features prevent time-travel
 - Reverse time
 - Reference geometry (axis)
 - Configurations
 - Suppressed Features
 - Dimensions
 - Colours
- Pinion
 - Tooth Geometry
 - Helical
- Export
 - 3D Printer
 - STL
 - Waterjet
 - DXF

Stator.SLDprt

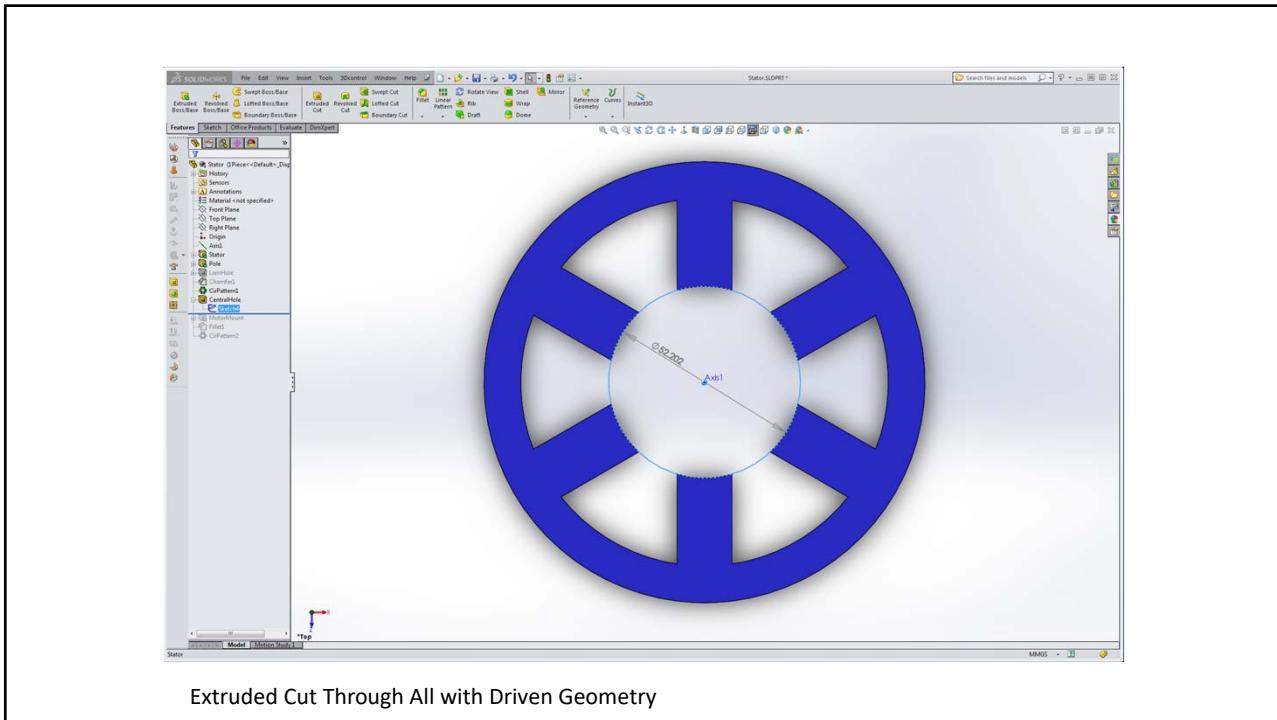
Solid Parts



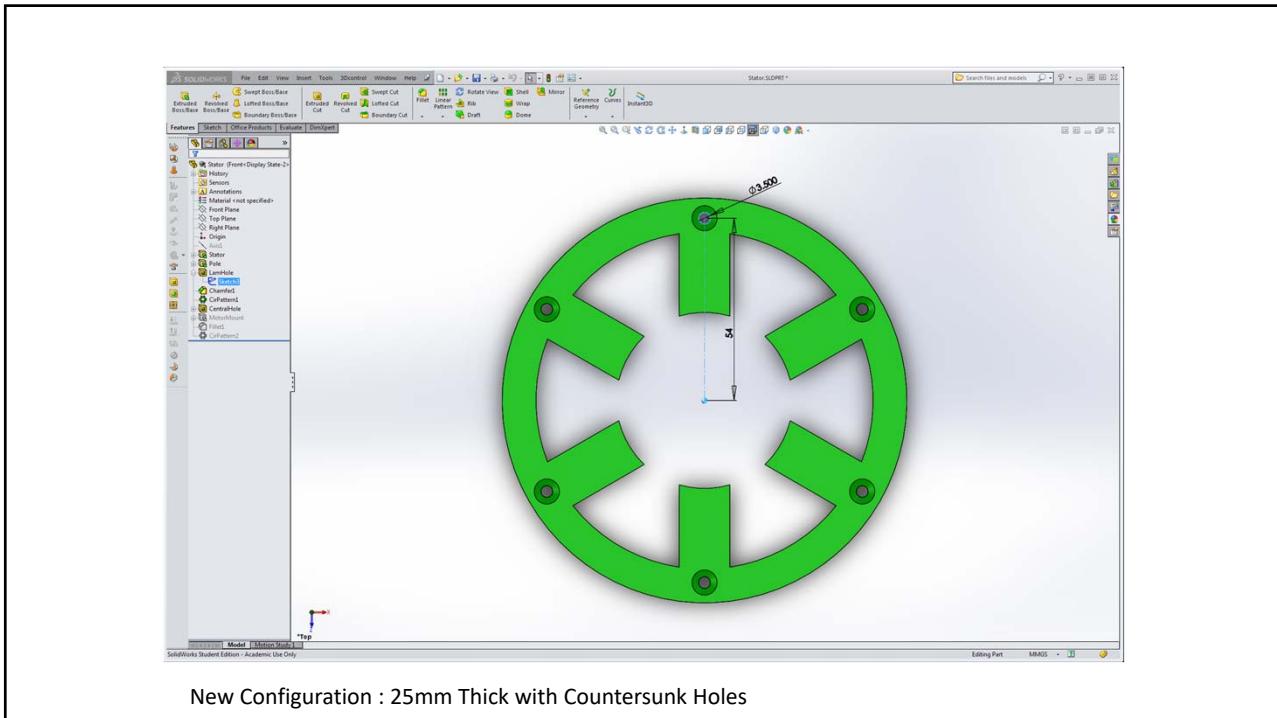
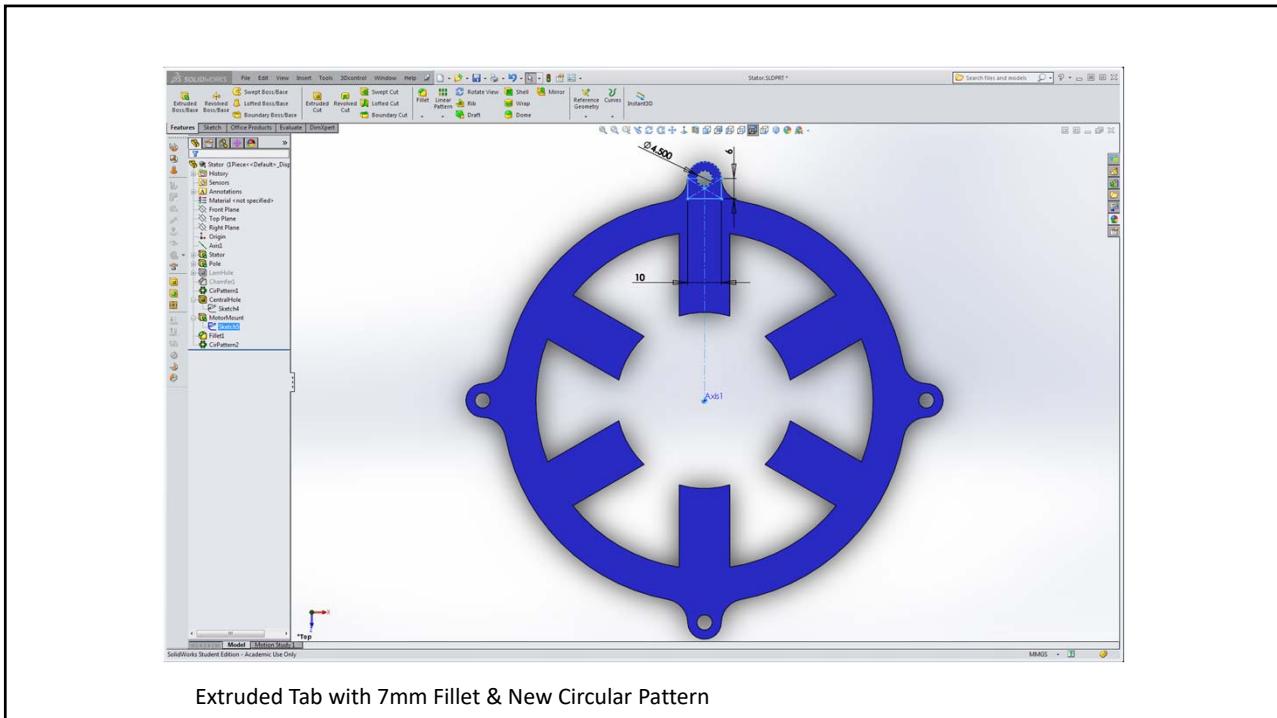
12.5mm Mid-Plane Extrusion

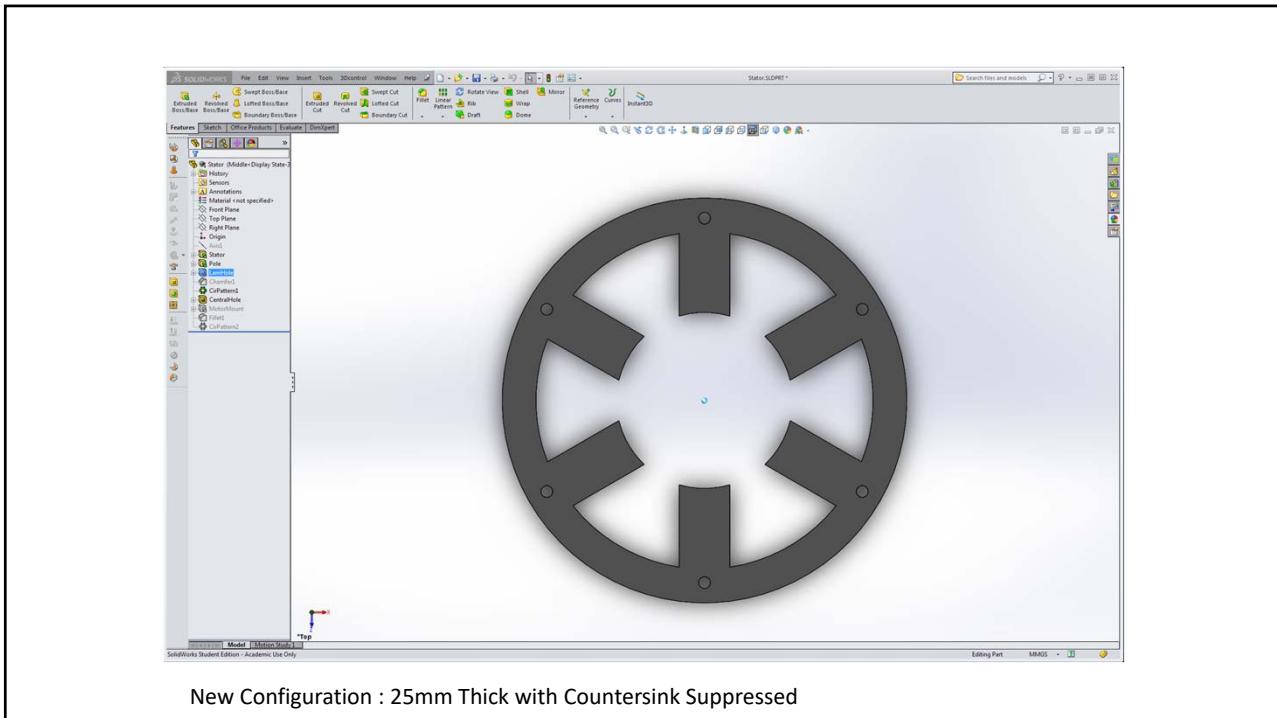


Extrude Through All and Circular Pattern around Axis 1

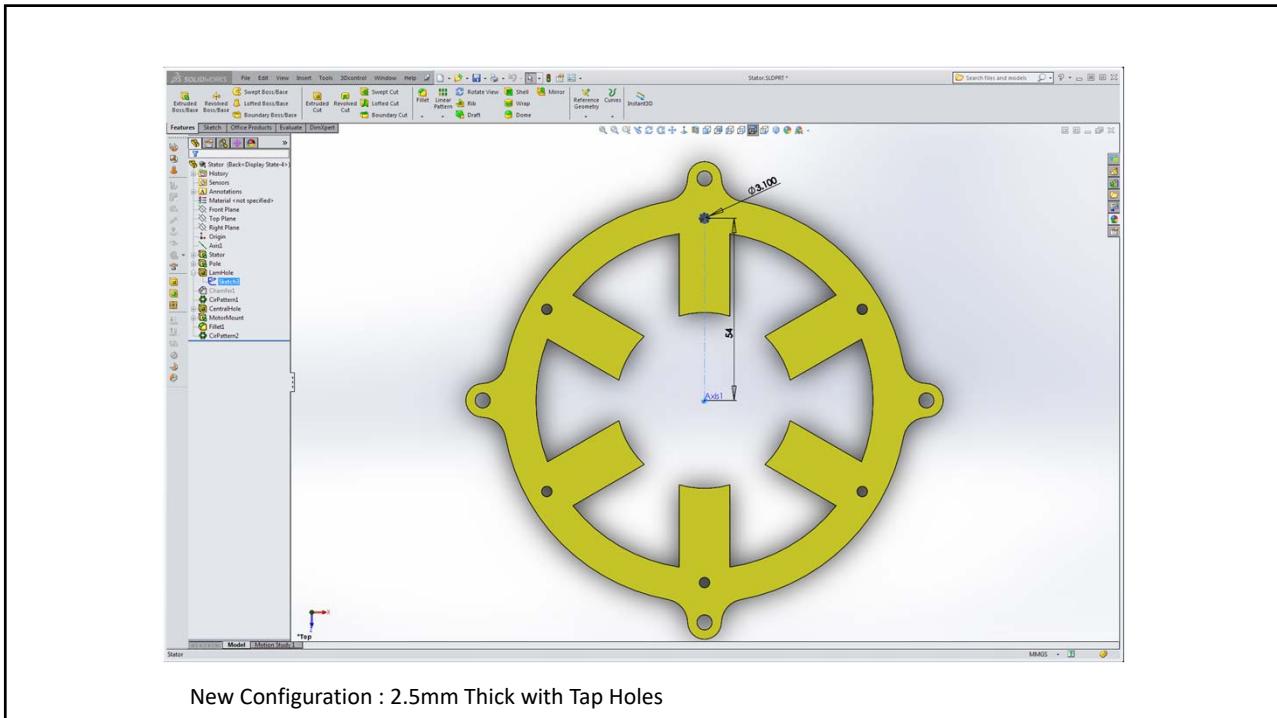


Extruded Cut Through All with Driven Geometry



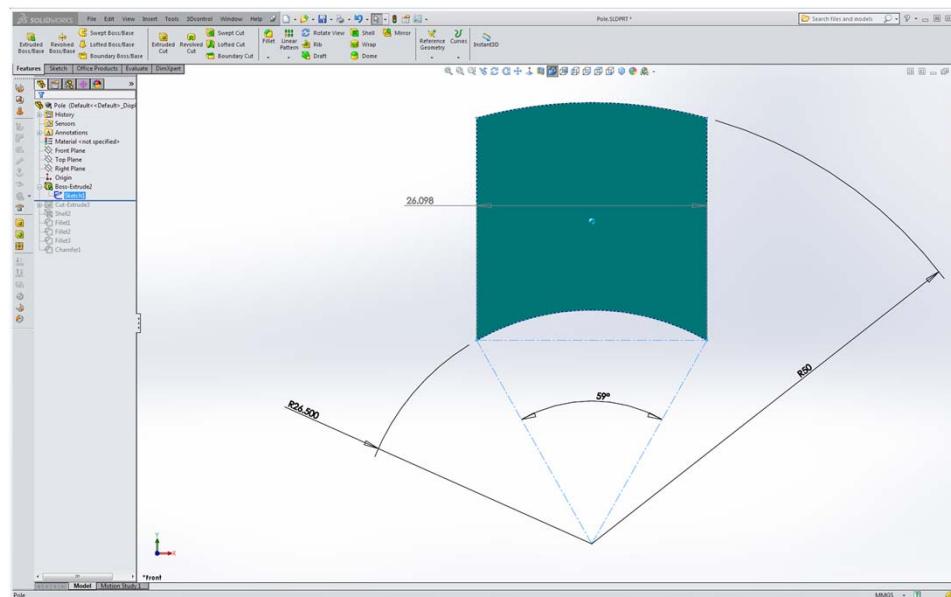


New Configuration : 25mm Thick with Countersink Suppressed

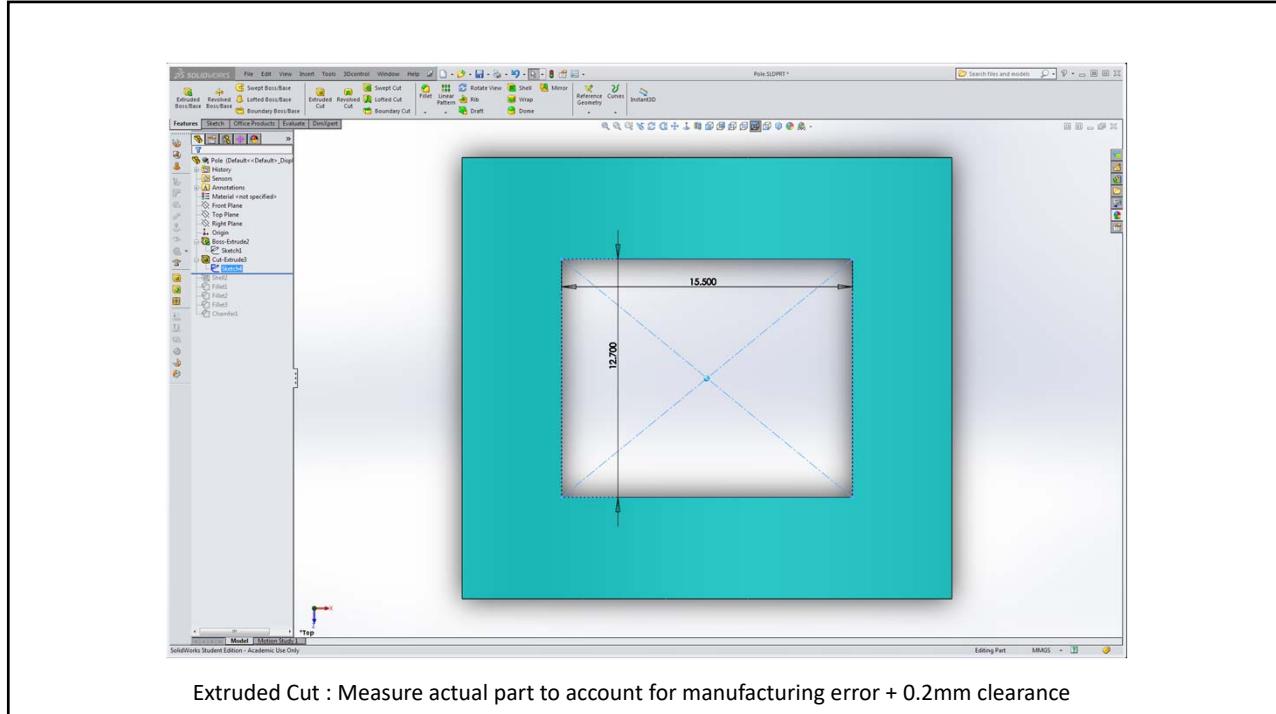


New Configuration : 2.5mm Thick with Tap Holes

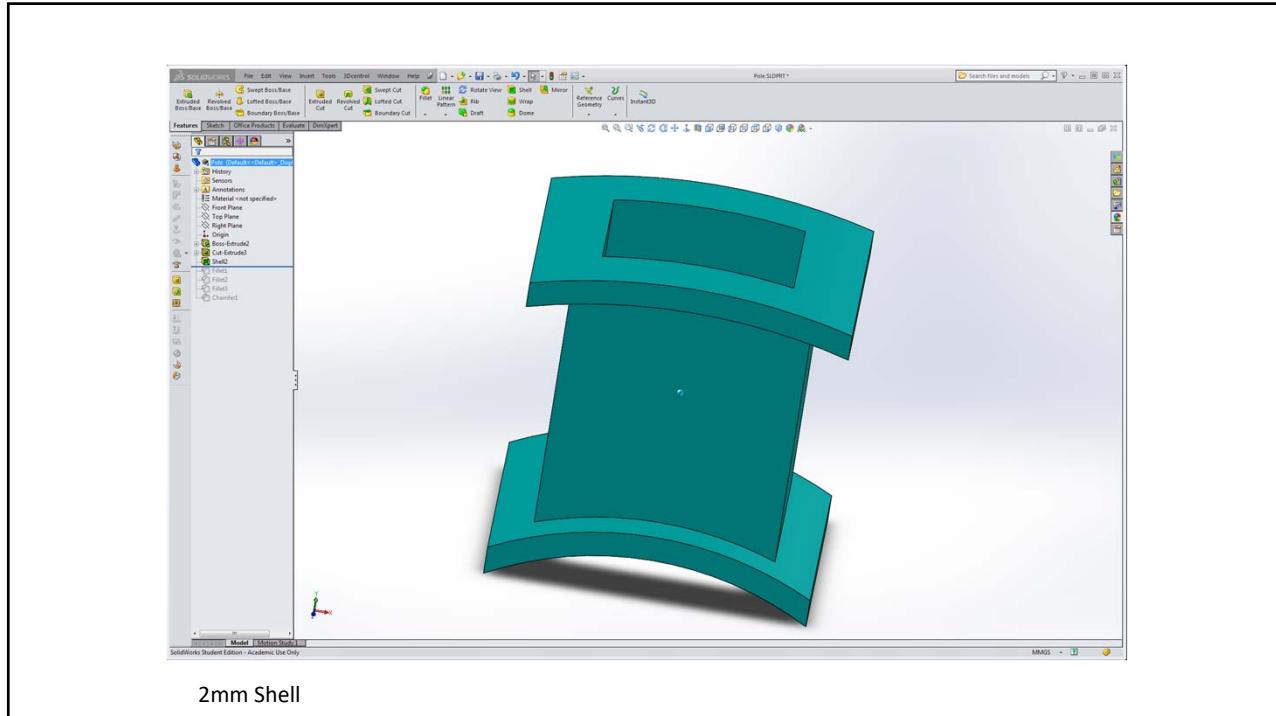
Pole.SLDprt



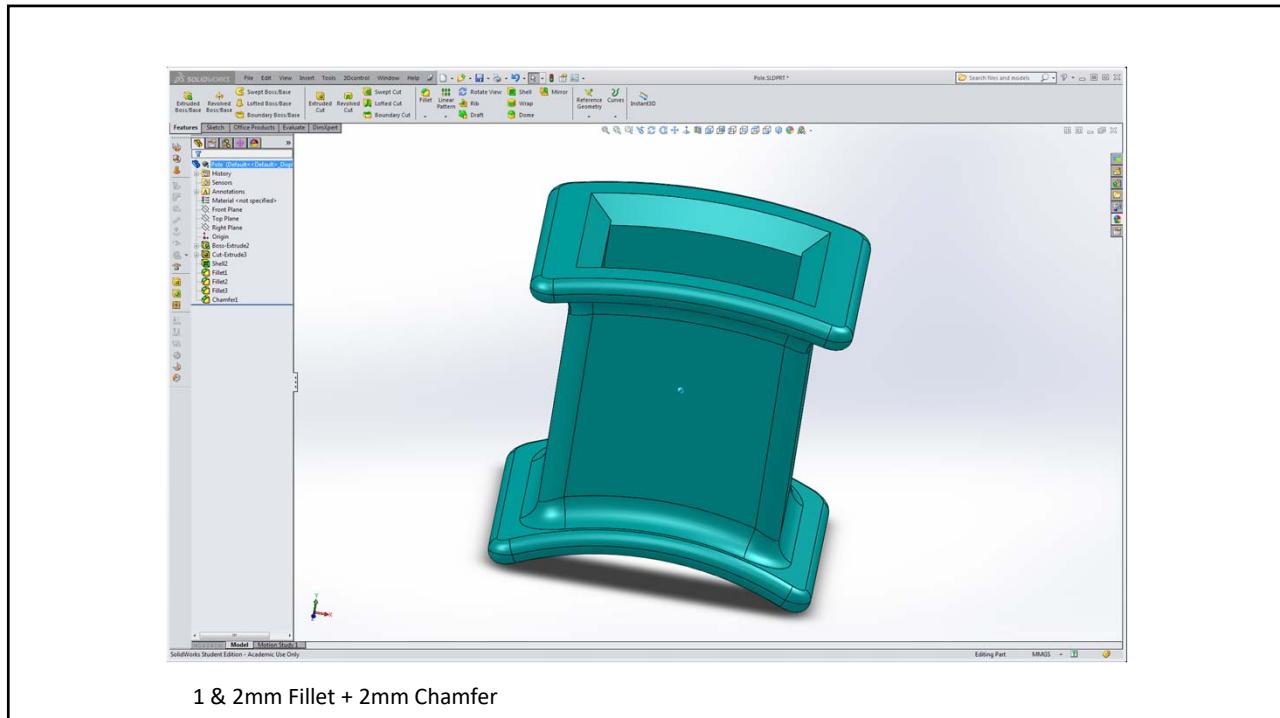
23.5mm Mid-Plane Extrusion



Extruded Cut : Measure actual part to account for manufacturing error + 0.2mm clearance



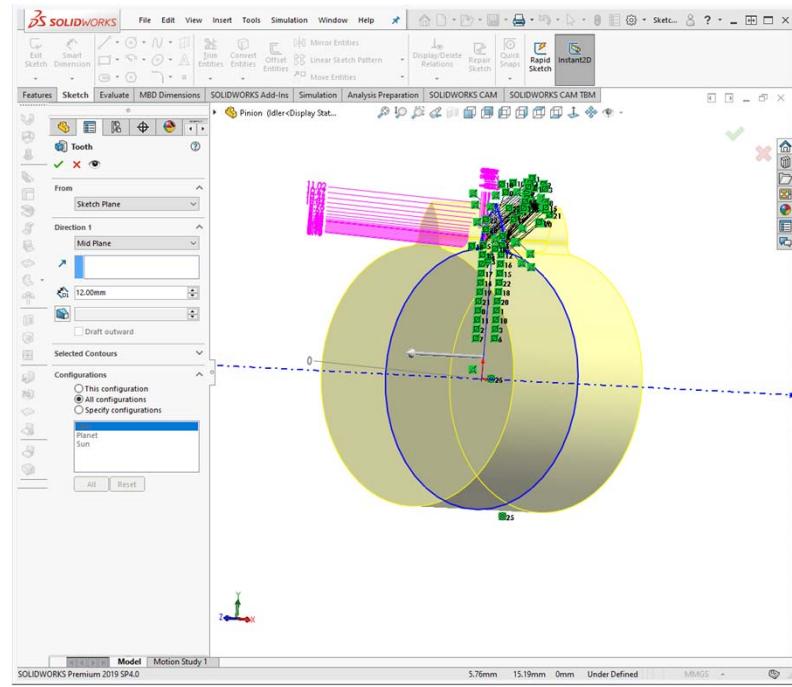
2mm Shell

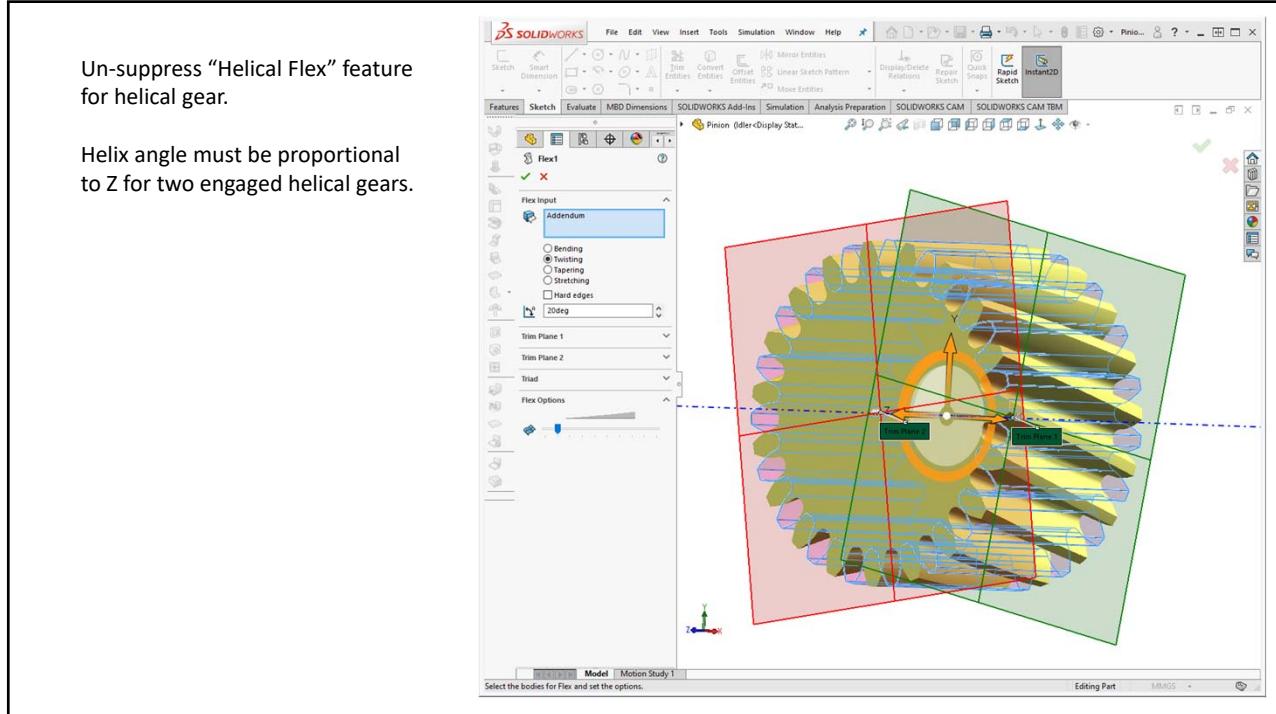
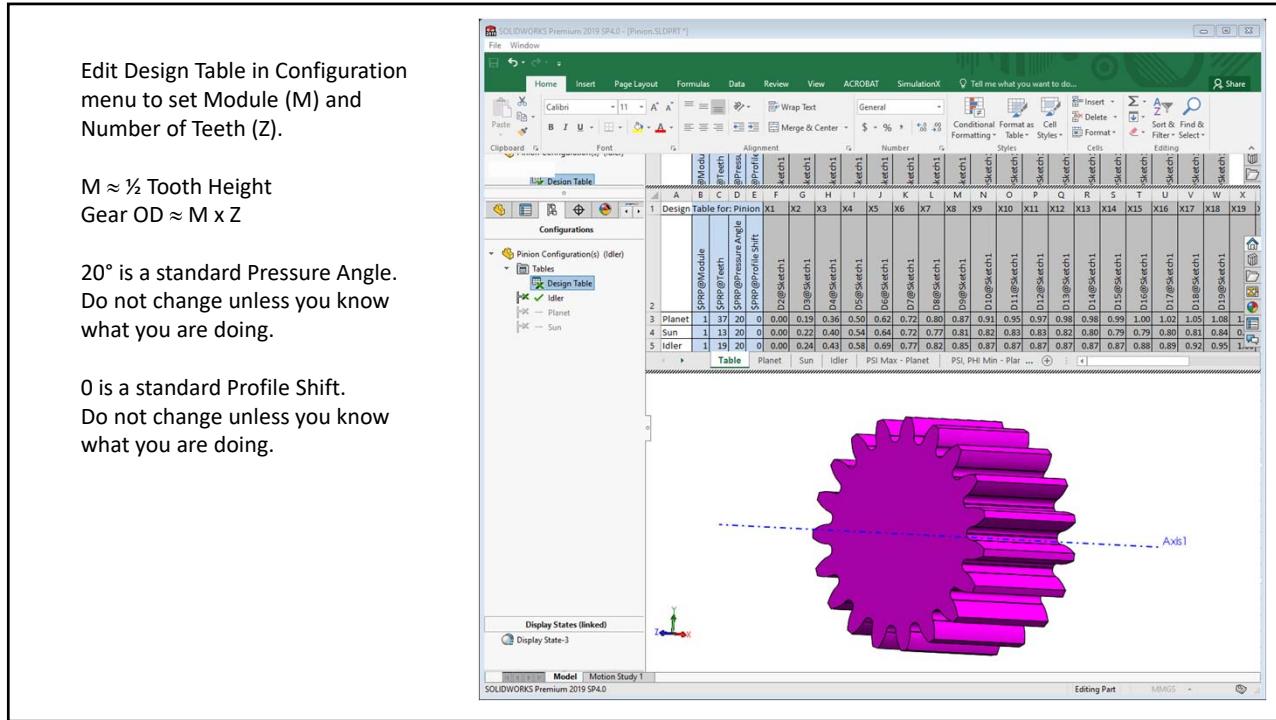


Pinion.SLDprt

- Available on SW page in Tools Tab

Extrusion named "Tooth"
determines face width.





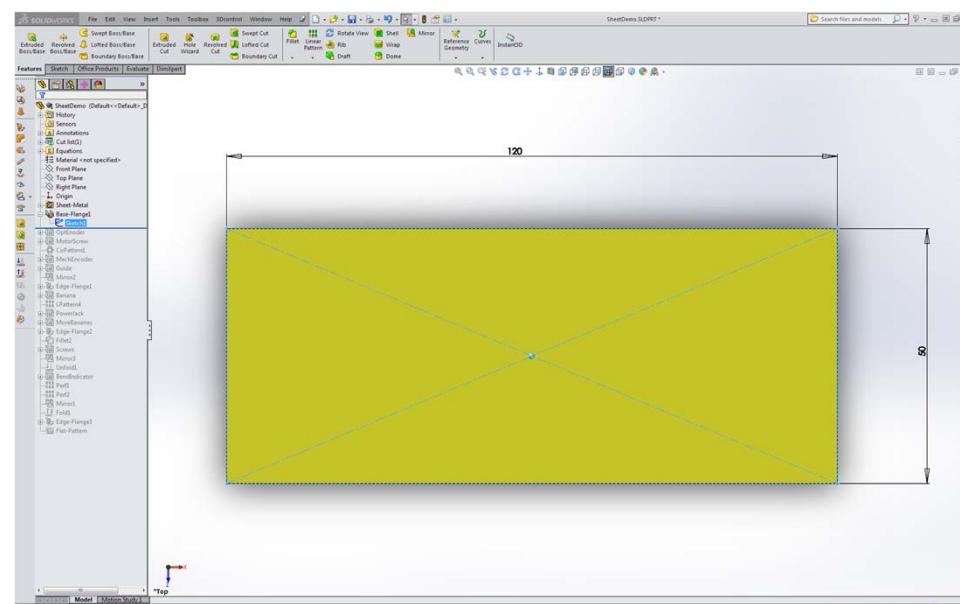


Sheet-Metal Parts

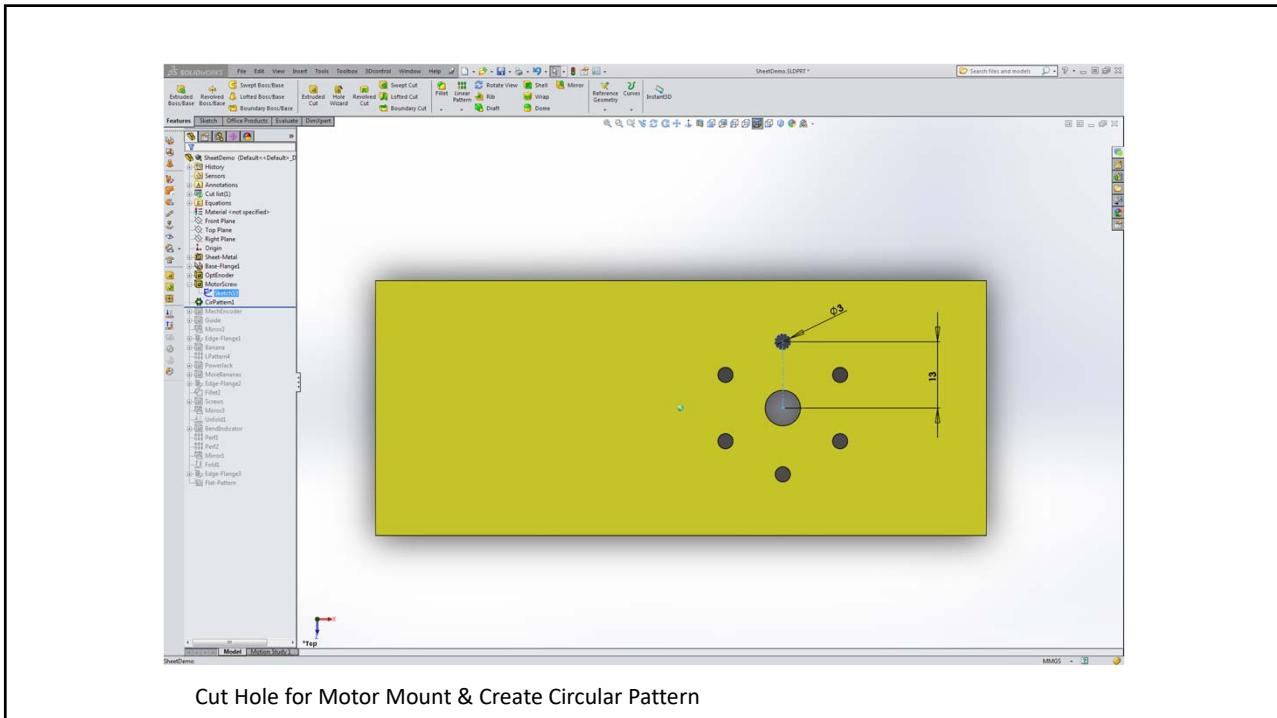
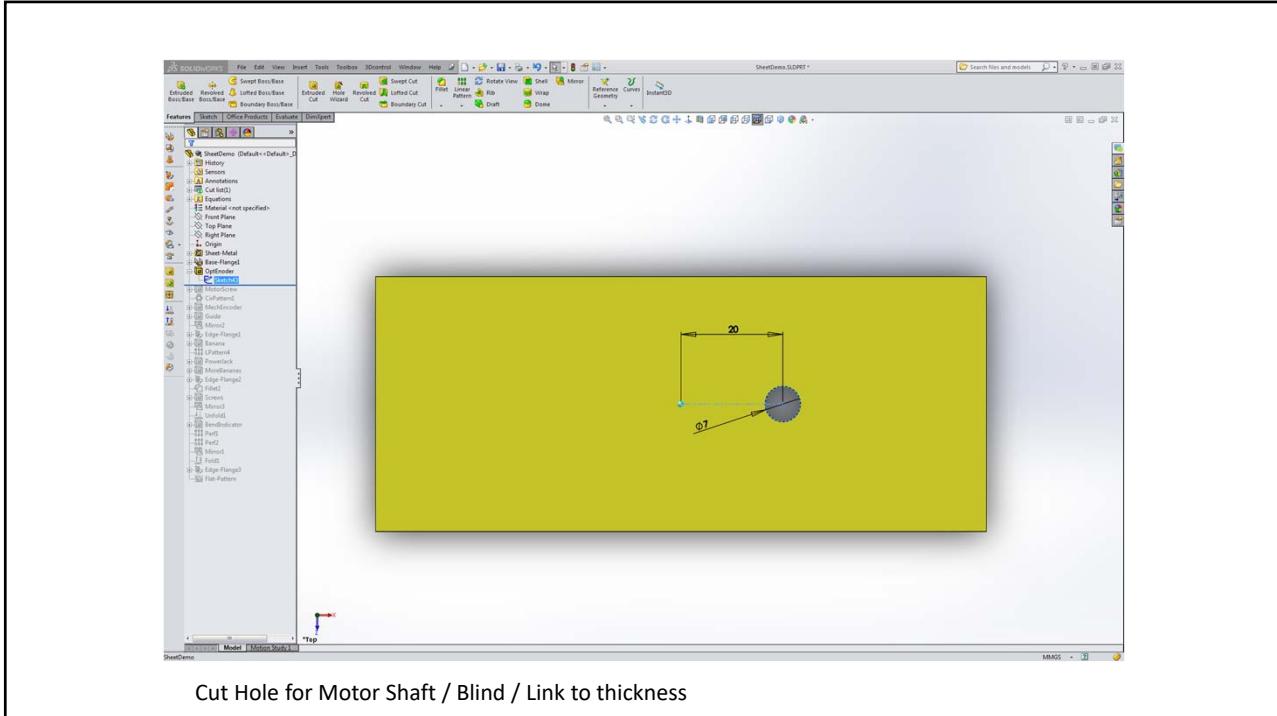
- New Part
 - Base Flange
 - Edge Flange
- Stand
 - Flatten
 - Unfold / Fold
 - Export DXF
 - Sheet metal option
- Sheet-Metal Design
 - Bend indicator
 - Bend perforation

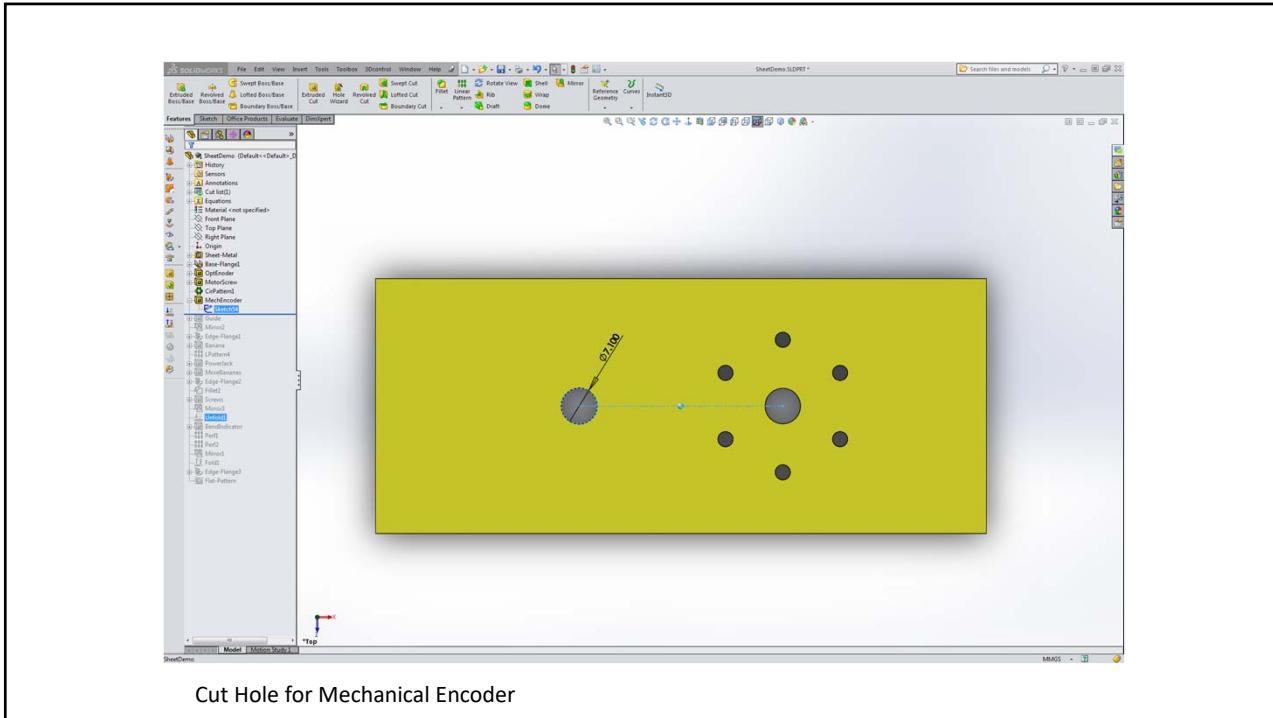
Stand.SLDprt

Sheet-Metal Parts

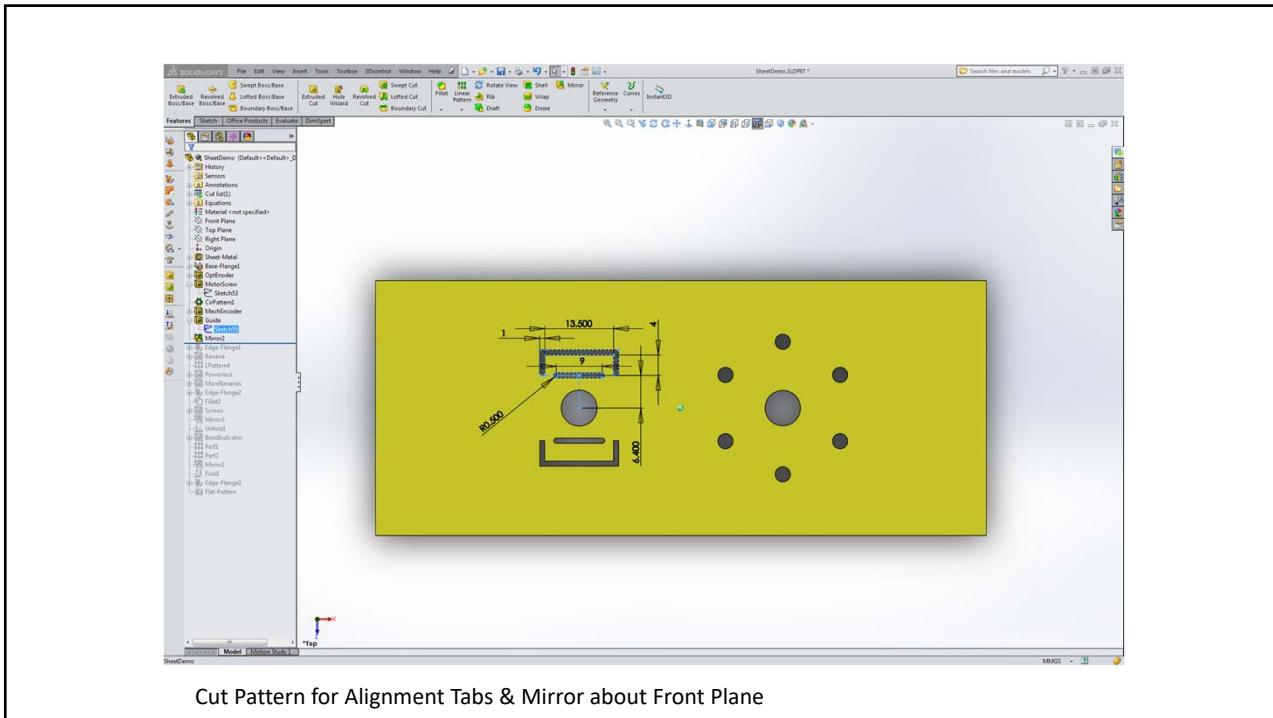


Sheet-Metal Base Flange – 20 Ga (1mm = 0.04") Al

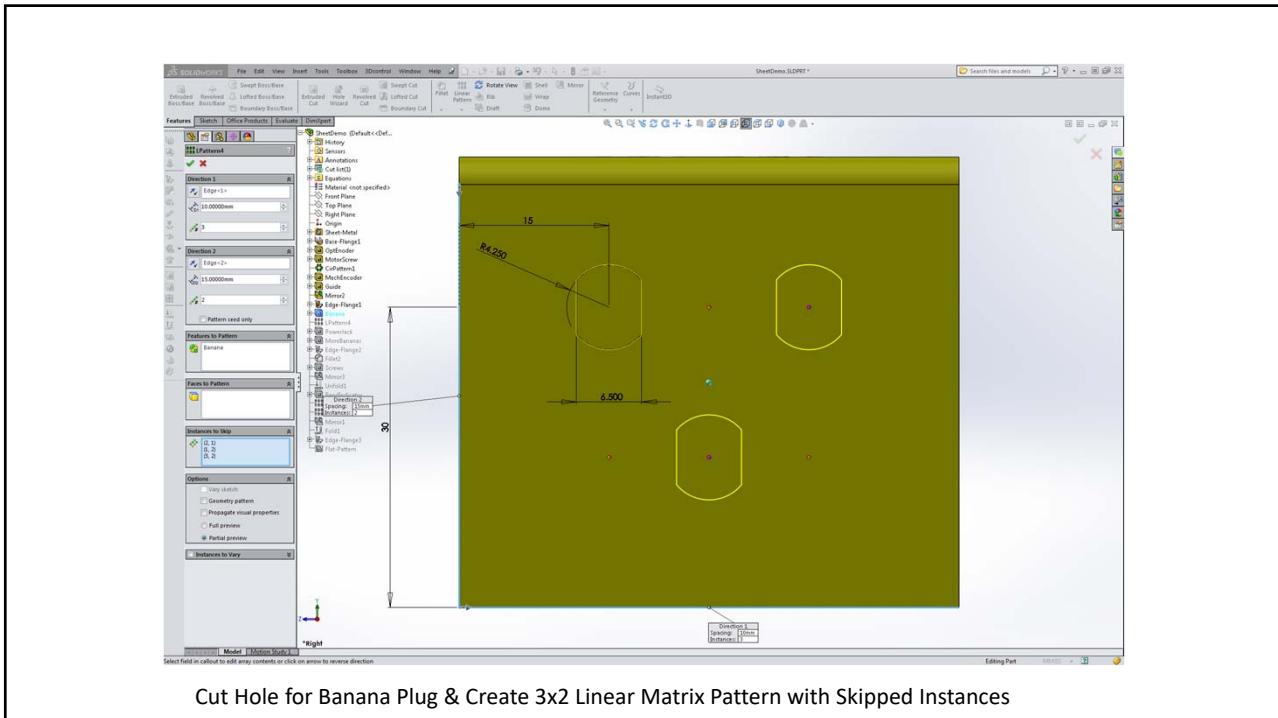
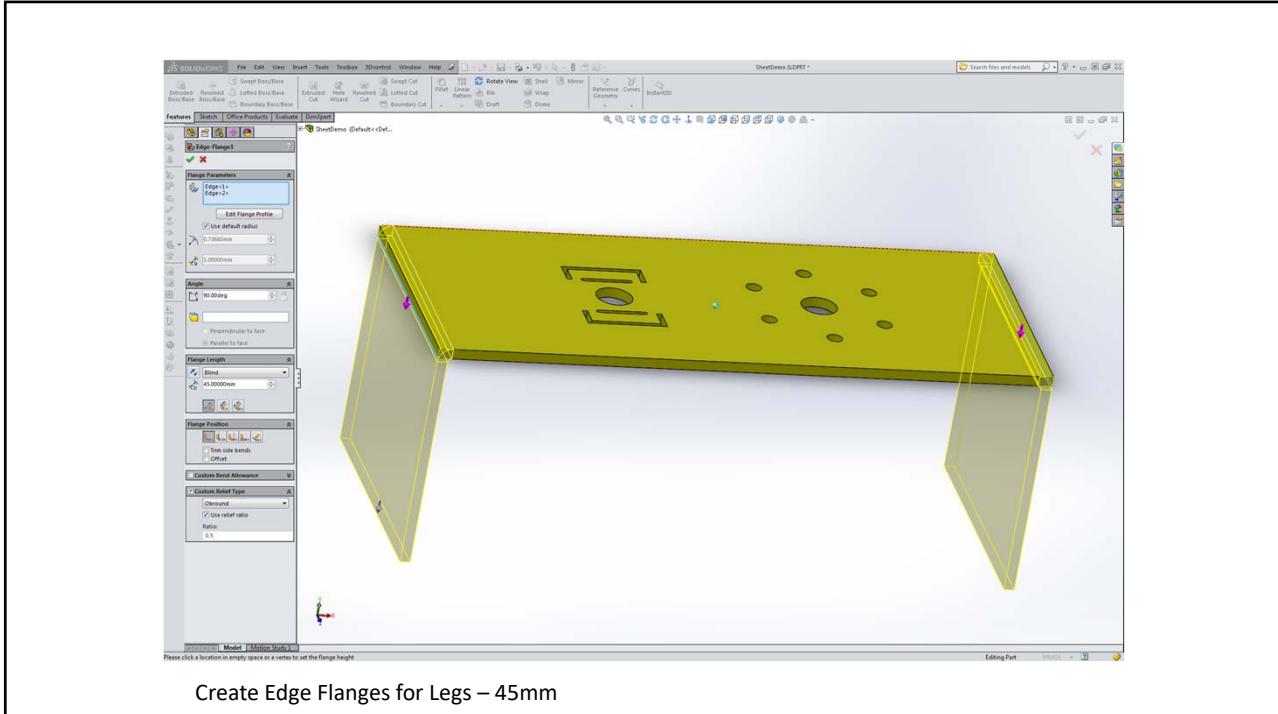


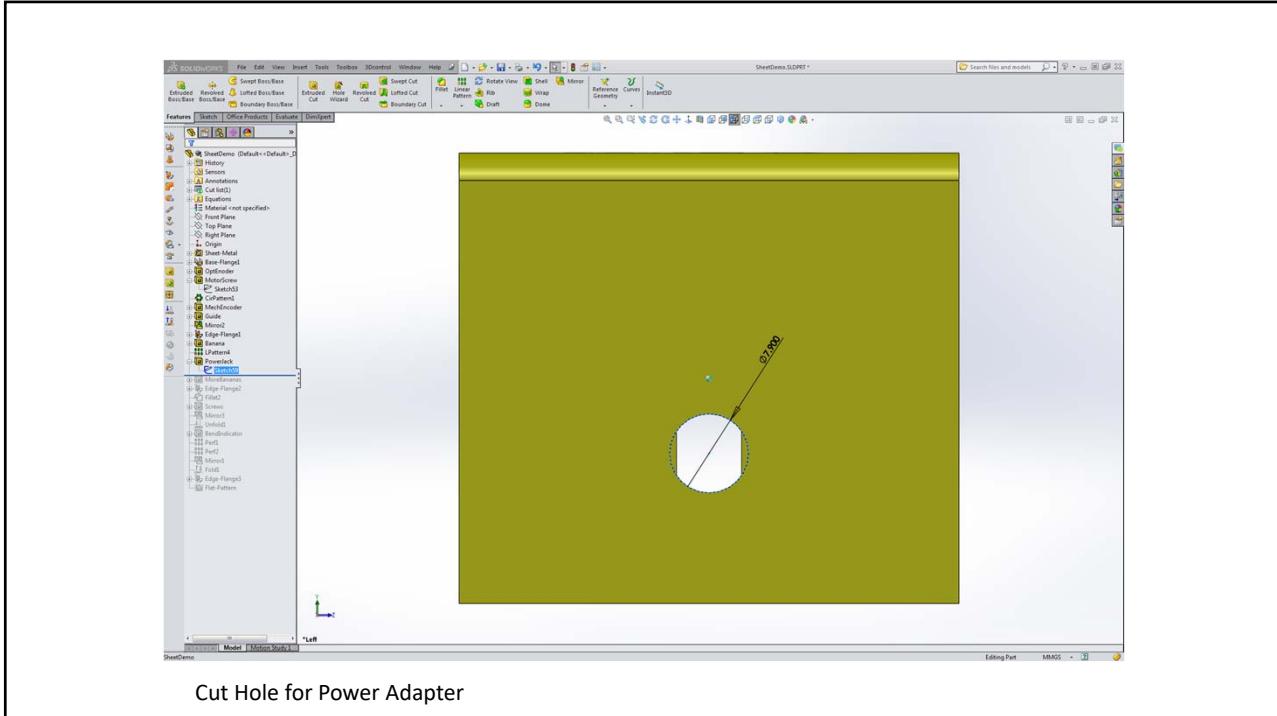


Cut Hole for Mechanical Encoder

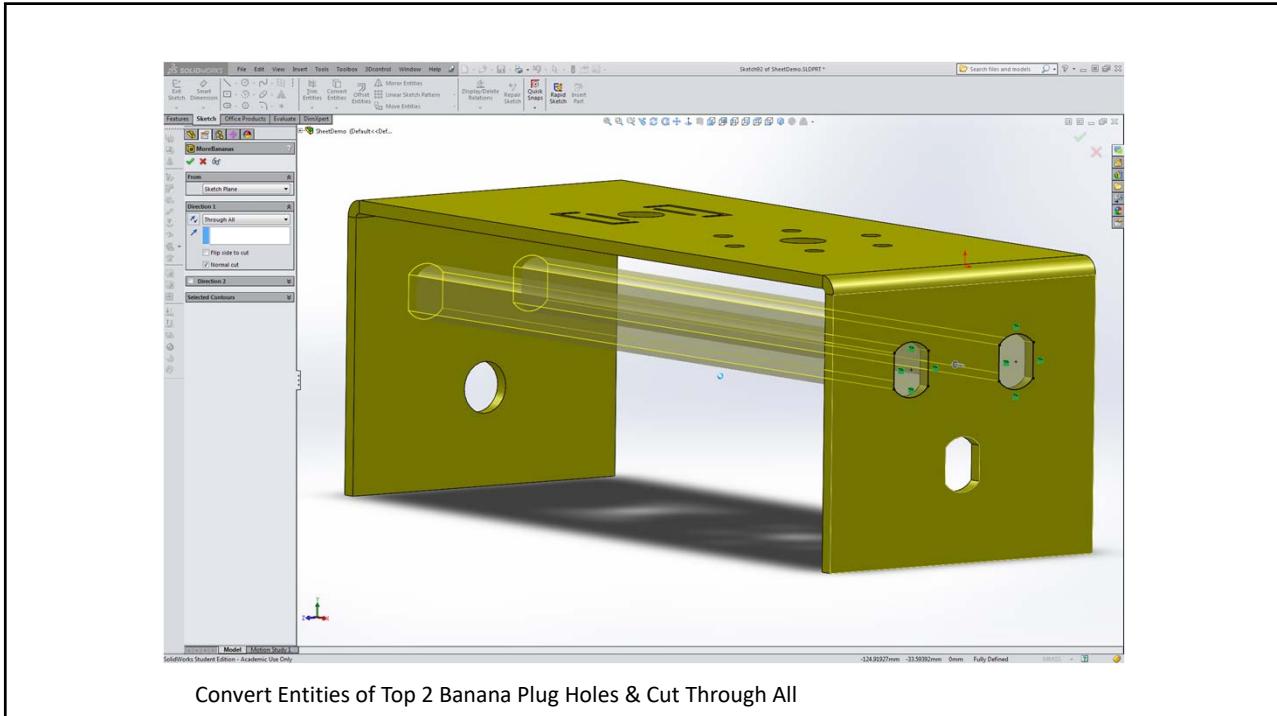


Cut Pattern for Alignment Tabs & Mirror about Front Plane

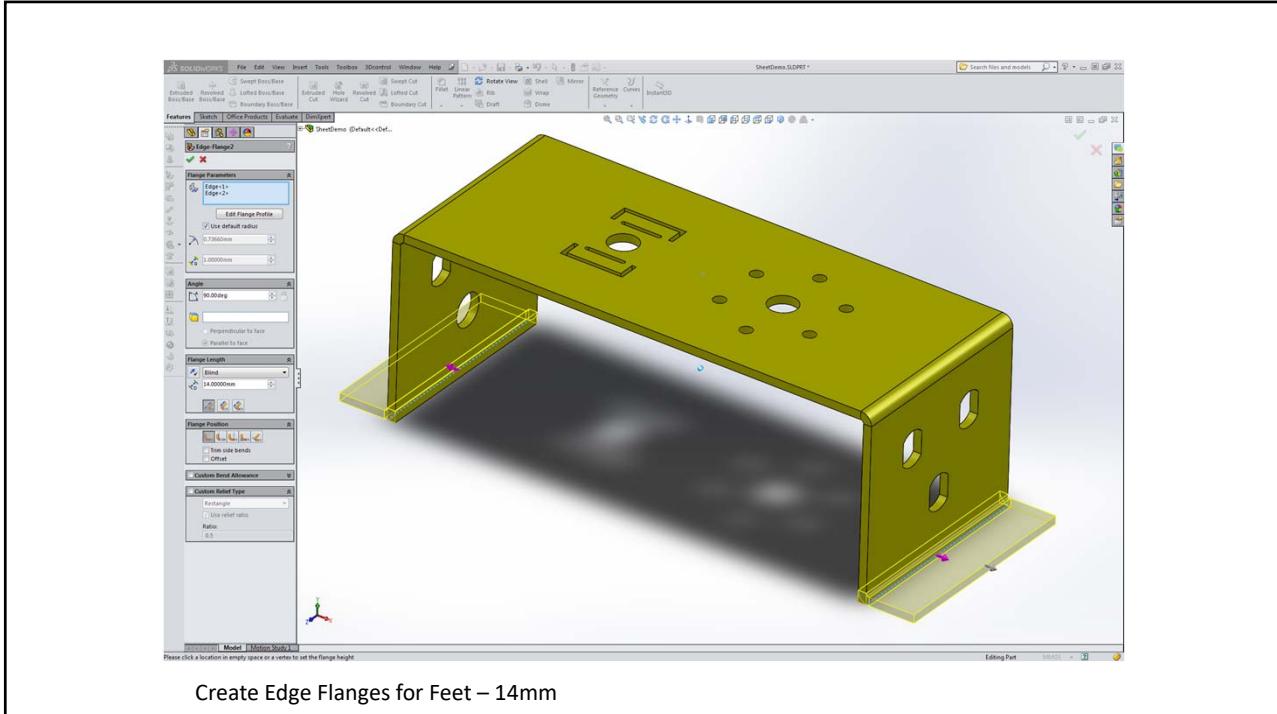




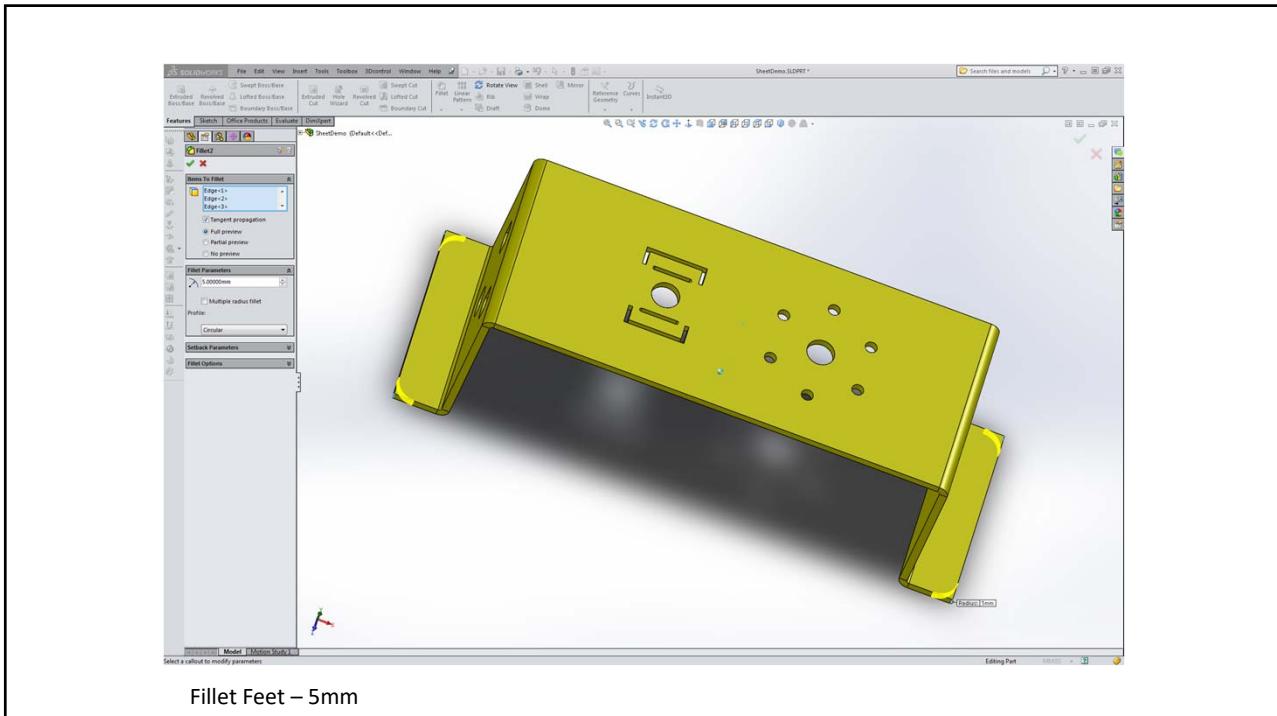
Cut Hole for Power Adapter



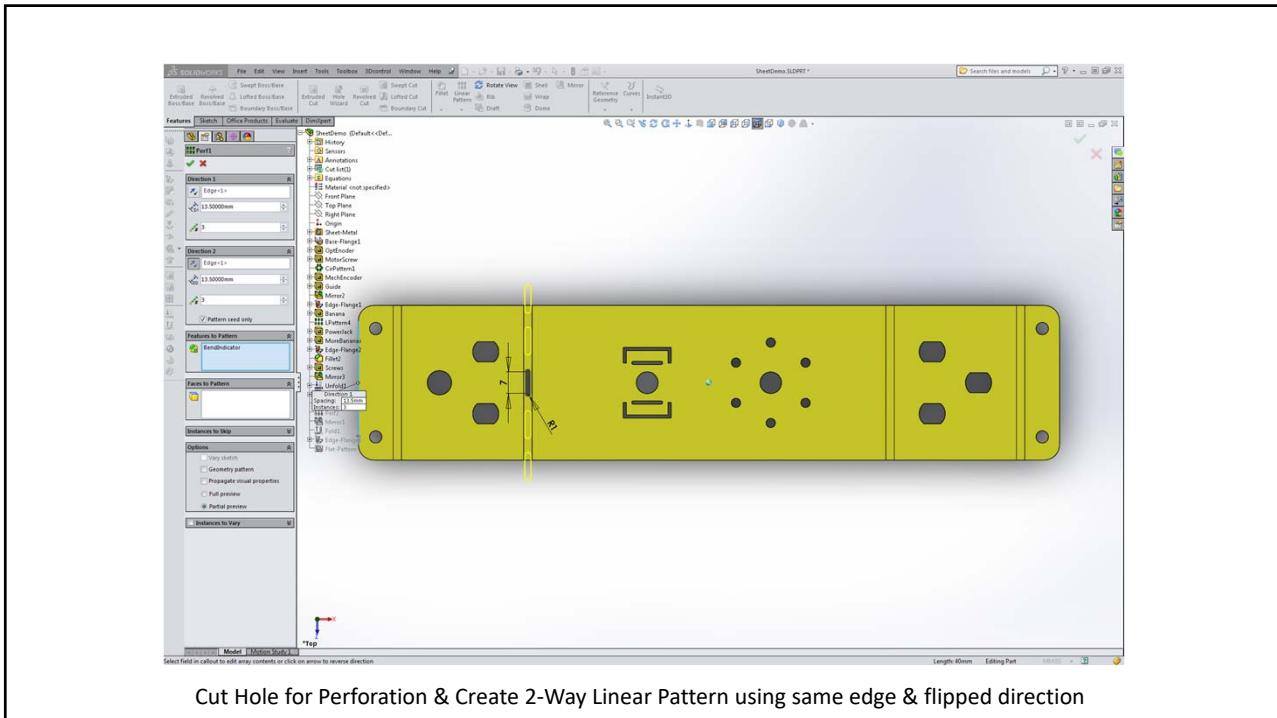
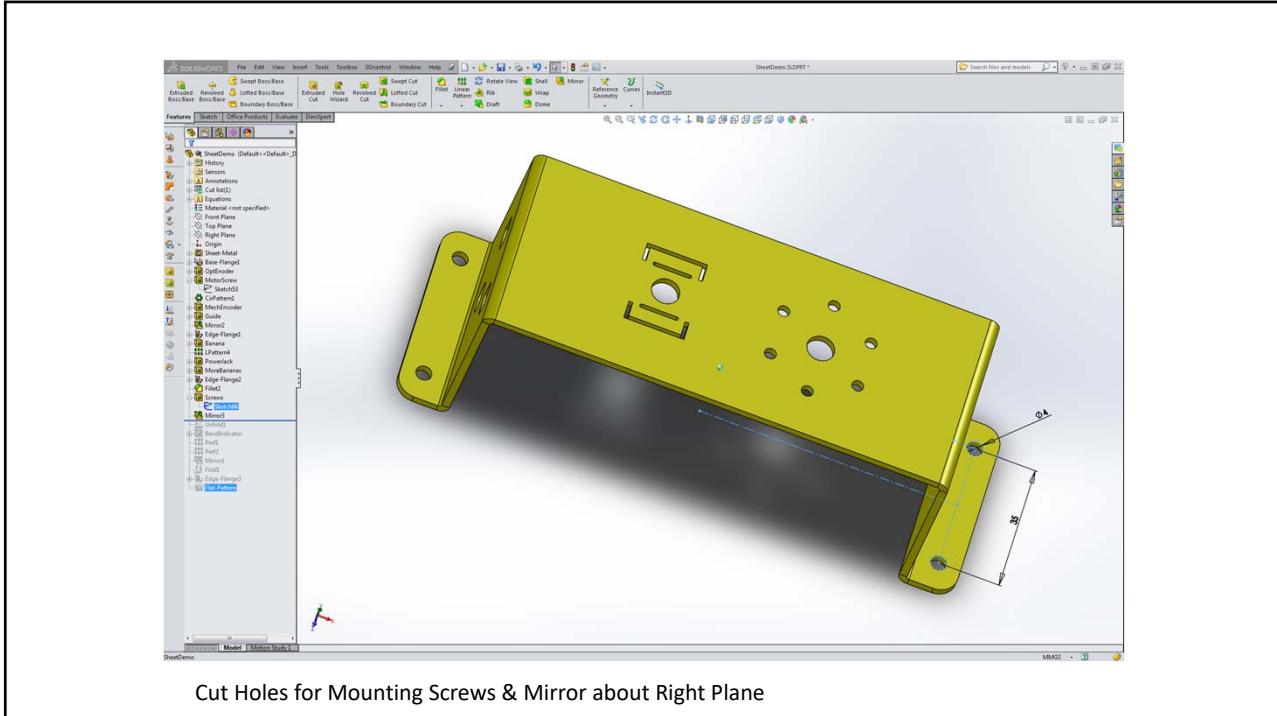
Convert Entities of Top 2 Banana Plug Holes & Cut Through All

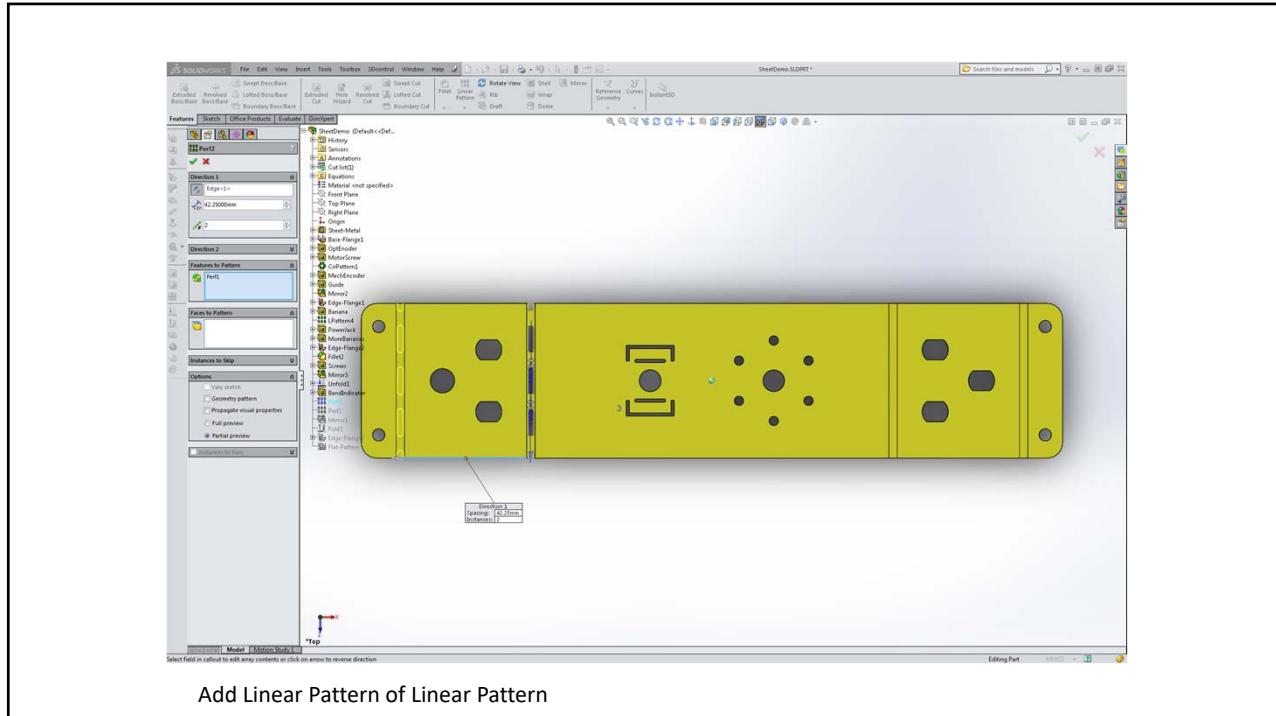


Create Edge Flanges for Feet – 14mm

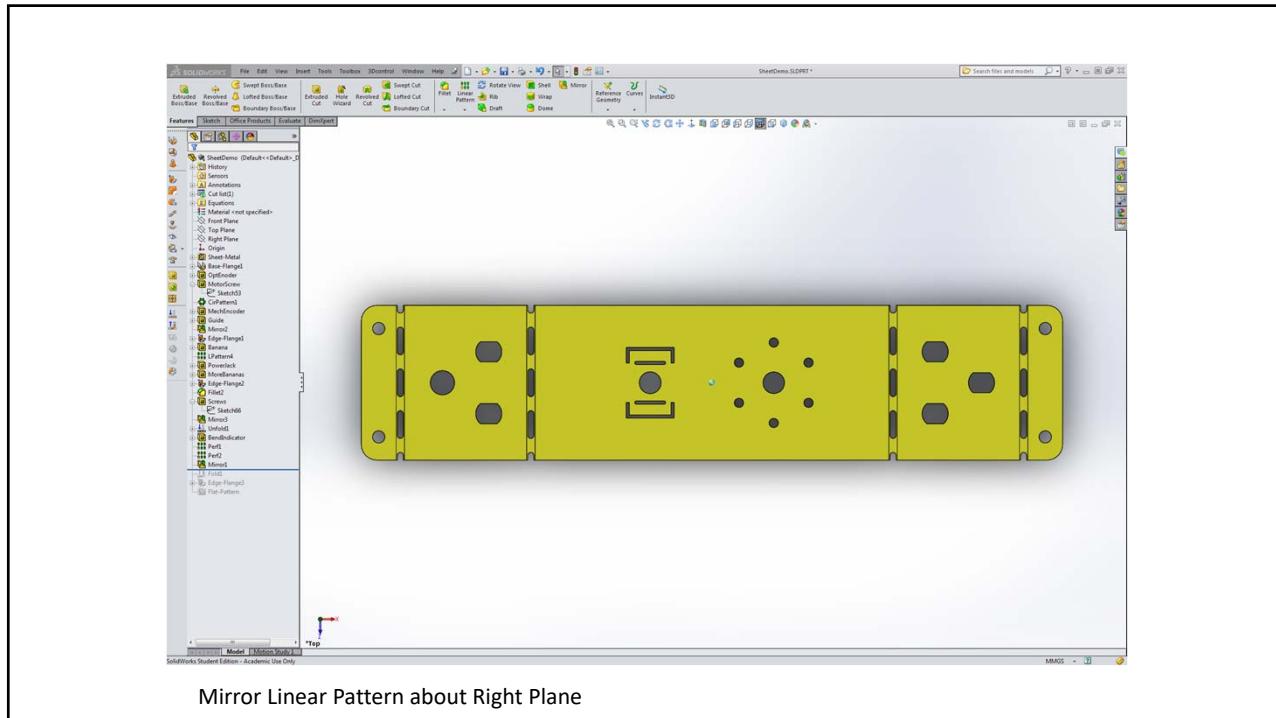


Fillet Feet – 5mm

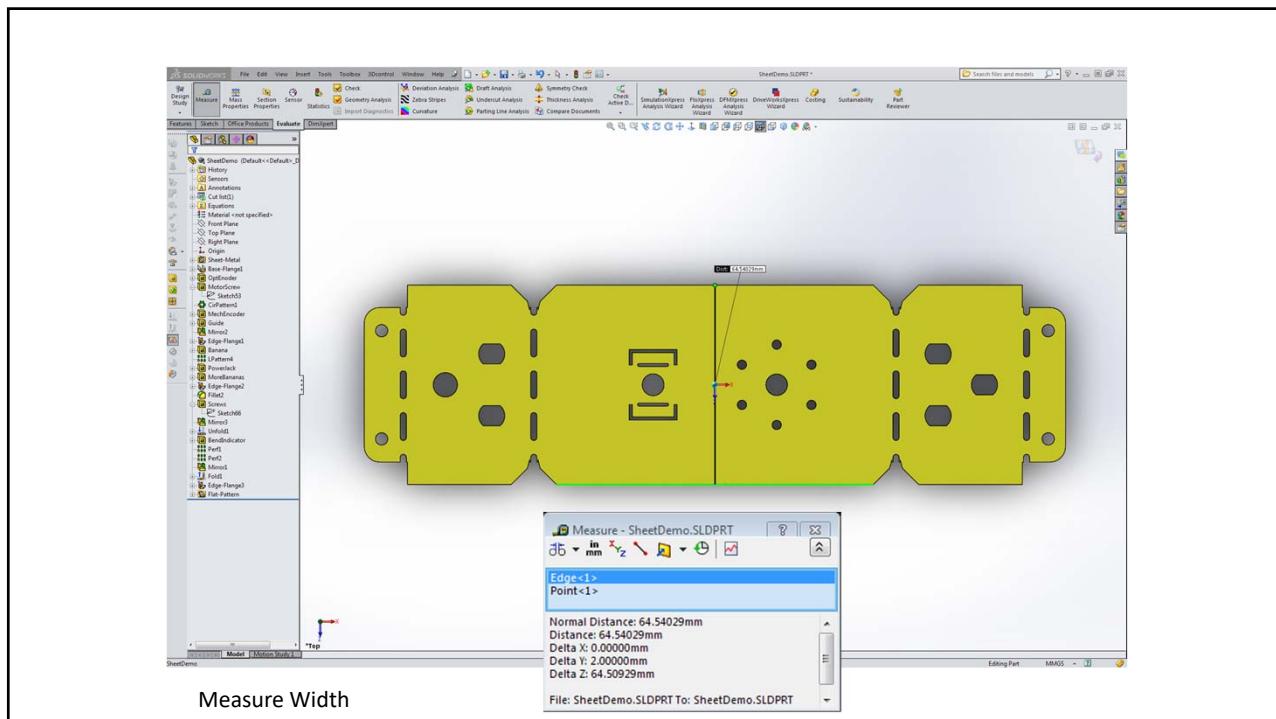
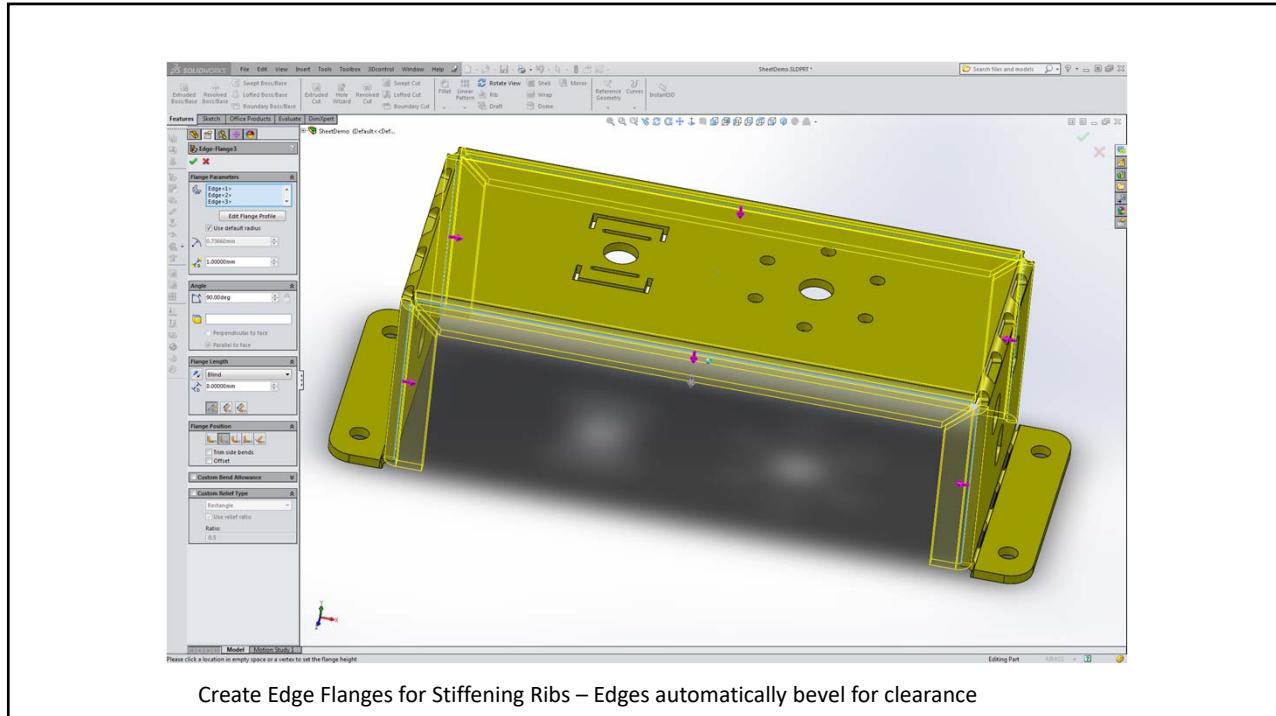


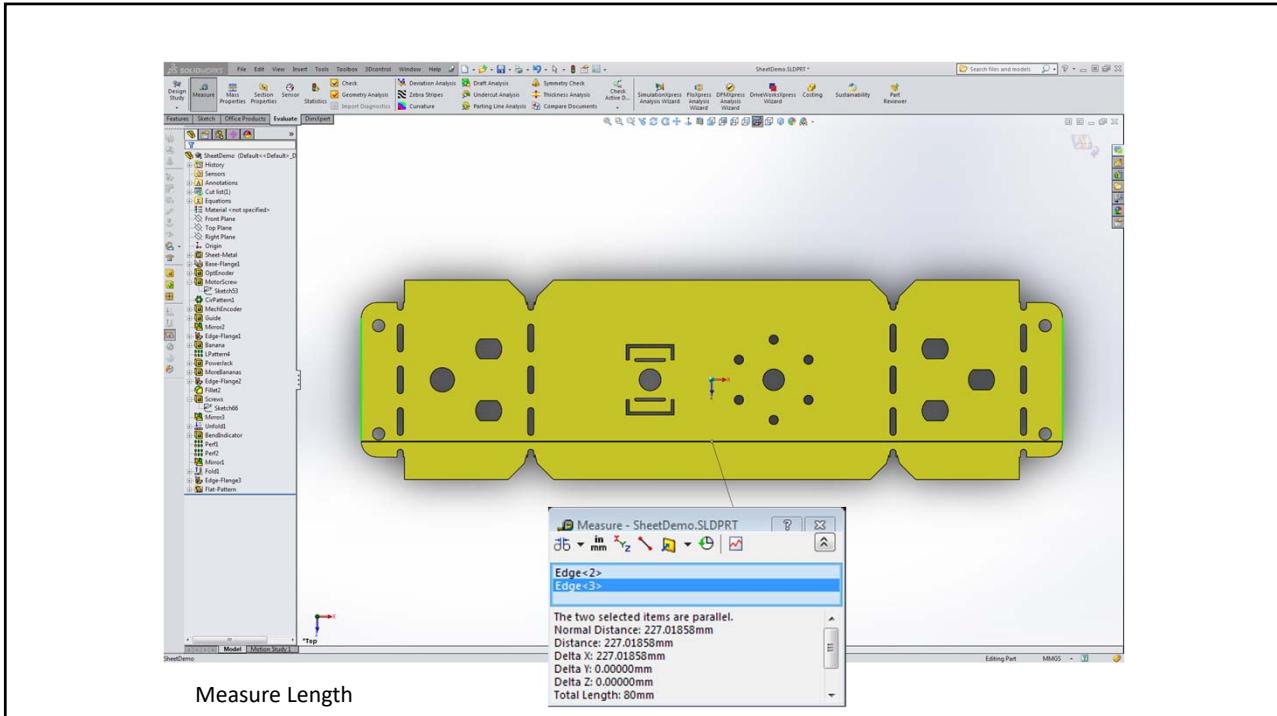


Add Linear Pattern of Linear Pattern

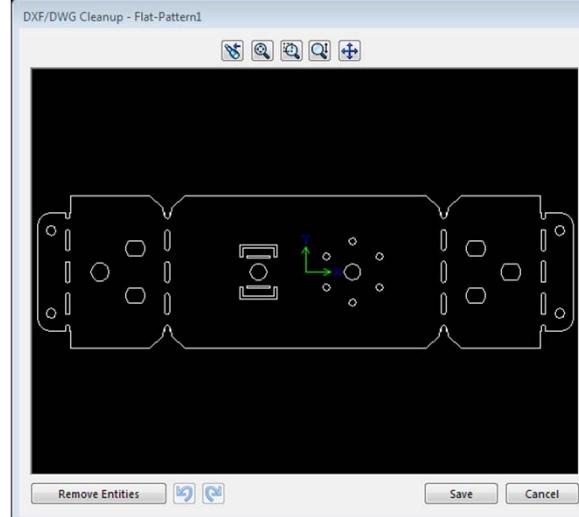


Mirror Linear Pattern about Right Plane





Measure Length



Generate DXF File of Flattened Pattern

