

CANDPY

AEROSPACE

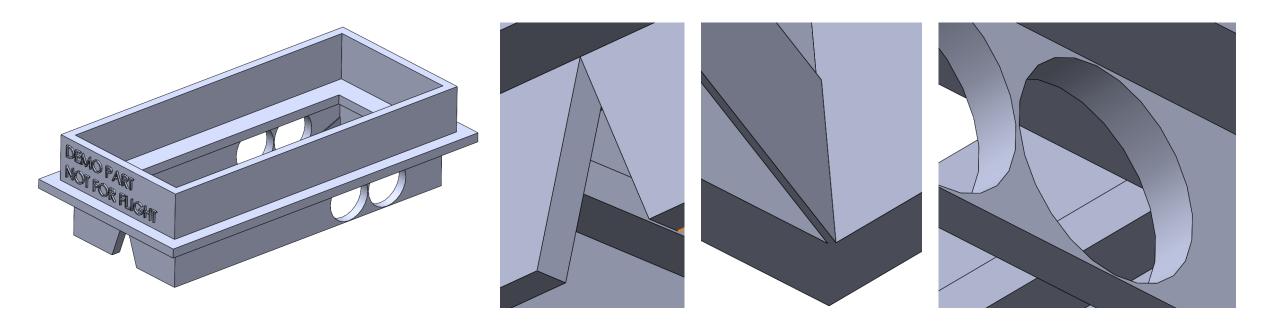
AM Ceramics Feature Recognition Dem o

Charlie Fuller 7/28/2 3



C00001 – bad candidate for printing/redesign required

- Wall thicknesses > 10 mm
- Exceeds 350mm in one dimension
- Horizontal holes > 10mm with very thin walls near regions with cross sectional area change
- Unsupported overhangs around part
- No fillets, lots of sharp corners
- Not a 'complex' part, could be manufactured with something other than 3D printing

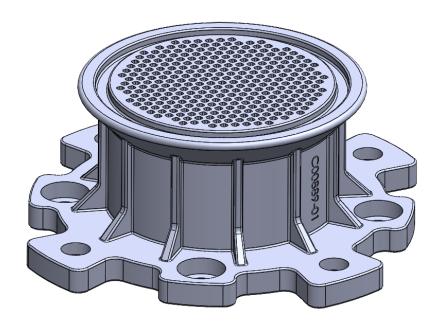




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C00002 – good candidate for printing

- Meets wall thickness requirements (0.4mm<t<4mm)
- Meets part volume requirements (XY < 300mm, Z < 100mm)
- Fillets on all re-entrant angles
- No sharp overhang angles requiring supports
- Sufficiently 'complex' to warrant printing







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