

Safran Electrical and Power Mechanical Engineering Co-op



Ian Ulle

Choose OhioFirst

INTRODUCTION

Safran Electrical and Power is a division of the Safran Group, a multinational corporation leading the Aerospace industry in the design and production of aerospace components, supplying both commercial and military customers with engines, landing systems, cabin design, electrical generation and distribution systems, and much more. With a local branch in Twinsburg, Safran Electrical and Power focuses on the design of aircraft generators and generator control units.

MY ROLE AT SAFRAN

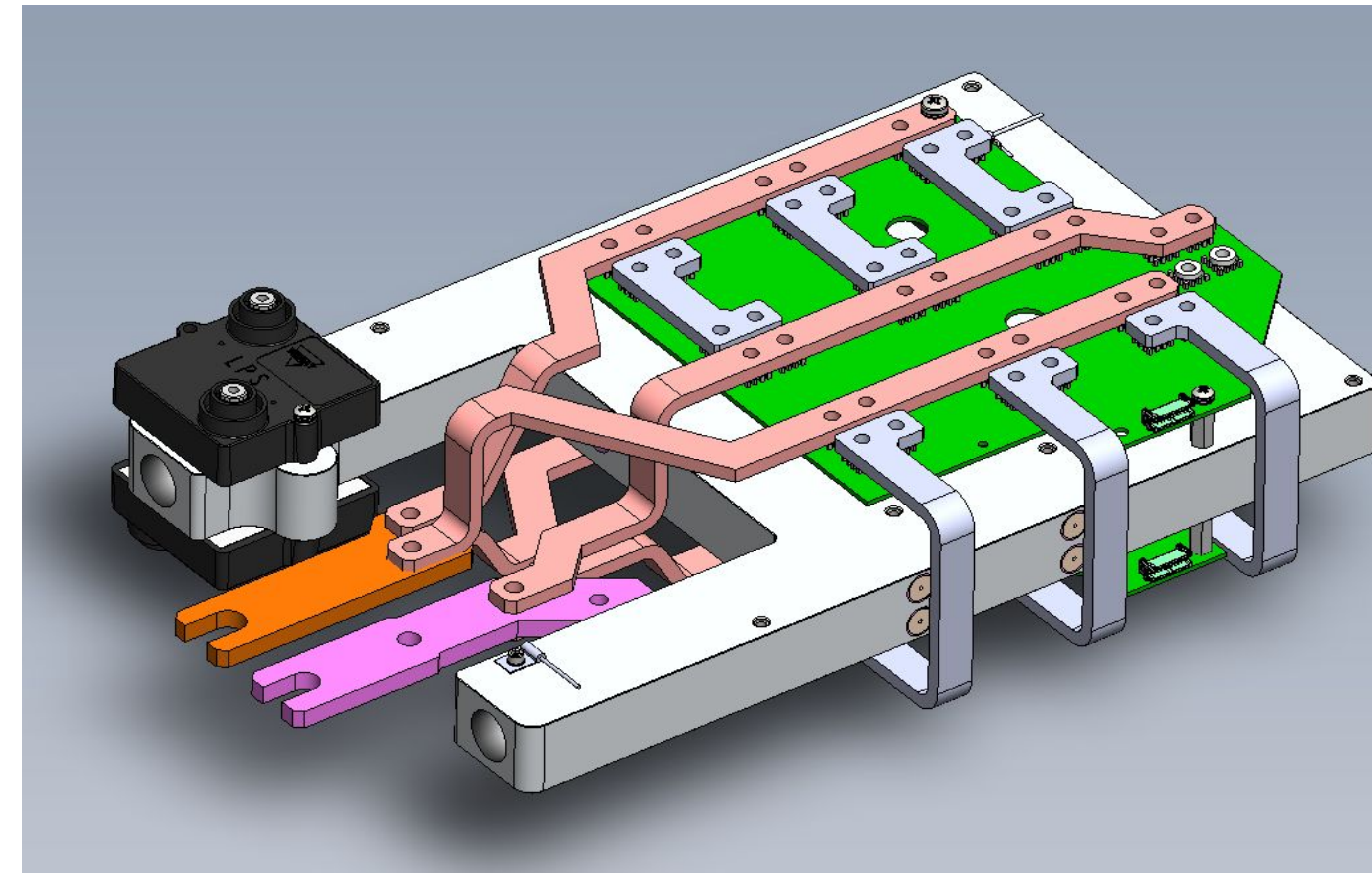
As a mechanical engineering intern, I was responsible for a very wide variety of tasks, including part design, engineering drawing modifications, in-lab testing, and writing engineering documentation.

EXPERIENCES OUT OF OFFICE

- Participated in Akron Design-to-Part Trade Show
- Toured General Die Casters Facility
- Toured Sunset Industries Facility
- Toured National Aerospace Processing Facility
- Co-op Kayak Adventure (pictured below)



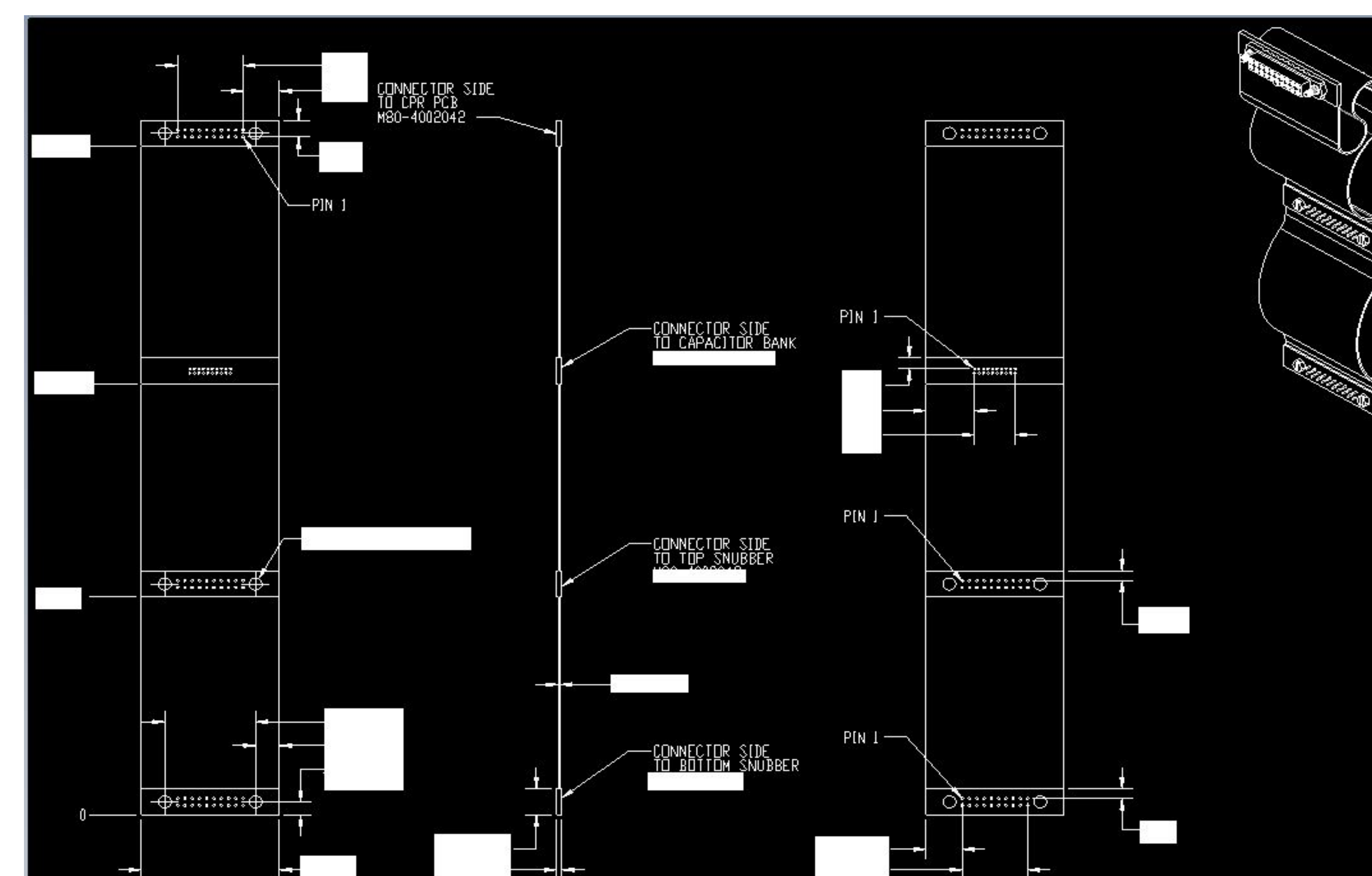
Co-op Kayak Adventure



C/GCU Cold Plate Assembly

SKILLS LEARNED/IMPROVED

- Geometric Dimensioning and Tolerancing
- Good Engineering Drawing Practices
- Use of Industry/Military Specs
- Tolerance Stack-ups
- Engineering Documentation
- Teamwork and Professional Communication
- Time Management Skills



Rigid-Flex Harness DXF Drawing

CONCLUSIONS

Safran Twinsburg is an incredible workplace filled with some of the smartest and most friendly people I have ever met. The staff includes several engineers with decades of experience who love nothing more than passing off their knowledge to the co-ops lucky enough to work there. The work is fascinating, and there are new things to learn every day, both about the products and about the industry as a whole.



Boeing MQ-25 Stingray

FUTURE WORK

I will be returning to Safran for a second co-op rotation this summer, which I am very excited for. As much fun as I can have during the school year, performing real work in the aerospace industry is very rewarding, and after I graduate, I hope to work at Safran Electrical and Power or a company like it.