



Prototype Risk Scorecard

This scorecard helps you identify and prioritize risks across your prototype's subsystems. Evaluate each module independently to highlight where your project is most vulnerable and where to focus early risk retirement.

How to Use This Scorecard:

1. List each subsystem or module in the left column.
2. Identify key risks associated with that module.
3. Score each for:
 - Impact (1 = negligible, 5 = catastrophic)
 - Likelihood (1 = rare, 5 = frequent)
4. Multiply Impact \times Likelihood to calculate Risk Priority.
5. Capture mitigation strategies for high-priority risks.
6. Update regularly as risks are retired or new risks emerge.

Subsystem	Key Risks	Impact (1-5)	Likelihood (1-5)	Risk Priority	Mitigation
Mechanical	Wear, precision, tolerance stack				
Electrical	Signal integrity, power, EMI				
Firmware	Timing bugs, integration errors				
Thermal	Stability, drift, heat/cool rate				
Fluidics	Leaks, viscosity, contamination				
Optics	Alignment, noise, sensitivity				
Docs / Compliance	Traceability gaps, incomplete DHF				

NOTE: Add / remove sub-systems and adjust key risks to suit your system.