



## Enabling Solutions

RFID applications sometimes require custom inlay designs to achieve desired performance for a given product or tag type, packaging method, or usage scenario. In this Fast Track Inlay Design Service, Impinj works closely with you and your preferred inlay or tag manufacturing partner to enable your application.

## Milestones

Impinj RFID engineers employ a combination of analytical and practical methods to minimize cost and time required to develop high-performance, customized RFID inlays for specific applications. The following three-step, requirements-driven process has proven to be successful and repeatable for a wide variety of applications:

### 1. Tag Requirements

The Impinj project manager will work with you to capture the tagging requirements and goals of the overall application. The outcomes of this phase are:

- ❖ Identification of risks and suggested mitigation techniques. Because of Impinj's deep RFID expertise, we can help you identify feasibility issues up front, so that alternative approaches may be considered.
- ❖ A tagging requirements document capturing physical constraints and options as well as performance goals.
- ❖ Development of a prototype validation test plan to ensure that the inlay design and final tag will meet requirements and expectations.

### 2. Complete Design

Based on analysis and bench testing, Impinj will develop a family of prototypes for rapid prototype fabrication. This process enables Impinj to explore a range of possible designs quickly and efficiently, reducing risk and accelerating the design process. The outcomes of this phase are:

- ❖ Small quantities of prototype tags to demonstrate performance and physical integration.
- ❖ Test data, captured according to the plan established in the first step.
- ❖ Manufacturing release package including artwork for the custom inlay

### 3. Production Validation

Impinj will validate a small quantity of engineering samples provided by your manufacturing partner using the test plan defined in step 1.

## About Fast Track

RFID is a revolutionary technology that is available through an established ecosystem of technology vendors, system integrators, software providers, consultants and integrators. In some cases, specific aspects of implementation are best addressed by the core technology leader, in cooperation with the users and their solution team. With this in mind, Impinj has designed the Fast Track program to help ensure success. The Fast Track Inlay Design Service is available immediately from Impinj. For more information about Impinj, please visit our website ([www.impinj.com](http://www.impinj.com)), or contact us at [rfid\\_info@impinj.com](mailto:rfid_info@impinj.com).

## Powered by Impinj

There is RFID, and then there is Impinj RFID. Impinj assures the integrity of the RFID system—our products perform accurately and reliably with built-in capability to adapt to changing and challenging environments.

Impinj has earned a reputation for having the best technology in the industry, created by innovators who have consistently anticipated, met, and overcome challenges deemed by others as too difficult, while setting new industry standards for quality and reliability.

When it comes to installing RFID into your application, ask for it to be *Powered by Impinj*.

