FAQ’s

1. What is STH through-hole board?

STH is the abbreviation for Silver Through-Hole. A printed circuit board featuring both plated-through holes and plated pads for surface mount components that is machined from a single piece of copper. Its design consists of two layers of copper, with copper traces on both sides of the board being connected by plated-through holes. The plated-through holes and plated pads for surface mount components are either plated with copper or gold. The inner copper layer is also plated with a thin layer of nickel to prevent oxidation. It is ideal for high-end and high-volume PCBs with a low to moderate assembly cost.

2. What are the main advantages of STH technology?

- **Higher Solderability:** STH technology is designed to ensure better solderability, which results in more reliable and durable connections.
- **Increased Reliability:** STH technology ensures more reliable connections and leads to overall stronger performance.
- **Reduced Manufacturing Costs:** STH technology reduces manufacturing costs associated with traditional PCB manufacturing processes.
- **Easy Modification:** STH technology allows for easy modification of already completed PCBs, enabling faster changes and improvements.
- **Optimized Design:** STH technology optimizes the design process, ensuring better performance and reliability.

3. Lightly moderates the question, “can it be done?”

Our devices are designed to meet customer requirements, and we can create it. If you have any further questions or concerns, please feel free to ask. We are here to help.

4. What are the main considerations for design and manufacturing?

When designing and manufacturing STH boards, several considerations are essential to ensure optimal performance and reliability. These considerations include:

- **Quality Assurance:** Ensuring high-quality materials and processes to meet customer requirements.
- **Material Selection:** Choosing the right materials for the application, considering factors such as temperature, humidity, and electrical conductivity.
- **Surface Mount Technology (SMT):** Using SMT technology to improve reliability and speed up the assembly process.
- **Modular Connections:** Designed for straightforward modular connections, allowing for easy integration and maintenance.
- **Efficient Manufacturing:** Ensuring efficient manufacturing processes, reducing costs and improving quality.

5. What can be done to make STH technology more popular?

To make STH technology more popular, several strategies can be implemented, including:

- **Enhancing Awareness:** Increasing awareness through marketing campaigns and educational materials.
- **Offering Training:** Providing training and support to ensure successful implementation.
- **Collaboration with Industry Leaders:** Partnering with industry leaders to promote and support STH technology.
- **Research and Development:** Continuously investing in research and development to enhance STH technology.

6. We need to make sure that STH technology is made available in China.

We understand your concern. While we cannot make STH technology available in China, we can provide additional support and assistance to ensure a smooth transition. If you have any further questions or concerns, please feel free to ask. We are here to help.