

	552 Acton Road Columbus, OH 43214	
	Customer Project Requirements	
DOC-00047	D-1	1/1
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1. **Purpose:** This document describes what items Automatiq Measurement Systems requires from the Customer in order to start work on a Test Fixture project.

2. **Requirements:**

2.1. Purchase Order

2.2. Gerber Files

- The Gerbers are the latest revision of the board Gerber files. Other types of files will not work.
- The Gerber files allow us to accurately locate components on the board and to ensure that all Test Point coordinates match some Test Point on the board itself. Without the Gerbers, Test Point coordinates that are slightly off may not be caught and will not make contact with the Sample Board.

2.3. Test Point List

- The Test Point List is every Test Point that will be probed and any potential Test Points that will be drilled but not populated with Sockets and Pogo Pins. It is difficult to drill additional Pogo Pin holes after the Test Fixture has been fabricated. It is relatively inexpensive to drill extra holes for Pogo Pins that may be needed in the future. Automatiq recommends that all connectors, jumper pins, and potential Test Points have holes even if they are not populated with Sockets and Pogo Pins, which can easily be added at a later date.
- The Test Point List should include some way to relate the Test Points to the Gerbers. The Test Point List could have the coordinates of each Test Point, or the Test Point List could have named Test Points that match named points in the silkscreen layer of the Gerbers or on a markup sheet.

2.4. Wiring List

- The Wiring List is only required if the Test Fixture will be wired and tested.

2.5. Sample Board

- The Sample Board should be the same version as will be tested in the Test Fixture. If multiple versions of the same board will be tested in the Test Fixture then Sample Boards of each are required. All Sample Boards should have the populated components as will be tested in the Test Fixture.
- The Sample Board will be used to test the fit and operation of the Test Fixture. The Sample Board will be handled in a careful manner, but may be used outside of a static controlled environment. All Sample Boards will be returned to the Customer with the completed Test Fixture.
- The Sample Board allows us to confirm the diameters of mounting holes, which ensures accurate positioning of the Sample Board.
- The Sample Board allows us to ensure that all drilled Test Points in the Test Fixture match some Test Point on the board itself.
- The Sample Board allows us to fully test the completed Test Fixture before shipping to the Customer. Without the Sample Board, many unforeseen problems may arise in the Test Fixture.