

Measurement Systems

Overview

Automatiq provides components for Versi-Traq Test Fixtures including pogo pins and sockets, push down pins, and foam spacers.

Ordering Information

Pogo Pins & Sockets

Sockets are pressed into the Probe plate, usually flush with the top. In most cases Automatiq provides solder cup sockets.

Pogo pins are inserted into the sockets from the top and can be replaced by pulling out the old pin and pushing in the new one.

The pogo pin size depends on the center to center distance for the probe points.

The least expensive and most rugged pins are those which can be mounted on 0.100" centers. They should be used whenever possible.

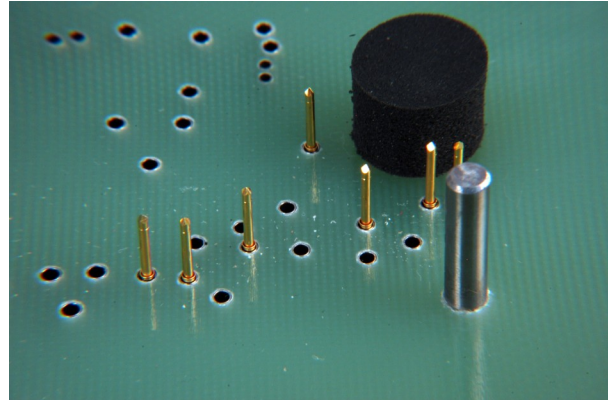
Pins that can mount on 0.075" centers are somewhat more expensive but are nearly as rugged as the 0.100" pins.

Pins that can mount on 0.050" centers are much more expensive and much less rugged. They should be used only if no other alternative is available.

Through-hole pins or leads should be probed with Crown heads. Test pads should be probed with Small Chisel heads. Open holes should be probed with Small or Large Chisel heads (large enough to avoid going through the hole). Round heads should be used for gold pads or sockets only. Spear heads can be used for component pads to avoid slipping on sloped surfaces. Razor Sharp heads should only be used for no-clean solder boards because the heads will mark the test points.

Guide Pins

We recommend using hardened drill blanks for guide pins. They can be cut to length (usually 1.00" long) with a rotary tool with a cutoff wheel. Purchase the blanks from any mill supply house.



Item	Order Number	QA Tech #	Price 1-49	Price 50+
0.125" Socket, Solder Cup	CON00051.01	125-SDN250S	\$2.37	\$1.58
0.125" Crown	CON00052.01	125-PRG2556S	\$5.64	\$3.76
0.125" Chisel, Large	CON00052.04	125-PRG2503S	\$5.64	\$3.76
0.100" Socket, Solder Cup	CON00013.01	100-SDN250S	\$0.57	\$0.38
0.100" Crown	CON00014.01	100-PRG2558S	\$1.71	\$1.14
0.100" Round	CON00014.02	100-PRG2540S	\$1.71	\$1.14
0.100" Chisel, Small	CON00014.03	100-PRG2543S	\$1.71	\$1.14
0.100" Chisel, Large	CON00014.04	100-PRG2503S	\$1.71	\$1.14
0.100" Waffle	CON00014.05	100-PRG2509S	\$1.71	\$1.14
0.100" Spear	CON00014.06	100-PRG2541S	\$1.71	\$1.14
0.100" Waffle, Large	CON00014.07	100-PRG2519S	\$5.55	\$3.70
0.100" Razor Sharp	CON00014.08	100-PRG256RX-S	\$1.92	\$1.28
0.100" Self Clean Crown	CON00014.09	100-PRG255X-S	\$1.92	\$1.28
0.075" Socket, Solder Cup	CON00045.01	075-SDN250S	\$1.05	\$0.70
0.075" Crown	CON00046.01	075-PRG2558S	\$3.00	\$2.00
0.075" Round	CON00046.02	075-PRG2540S	\$3.00	\$2.00
0.075" Chisel, Small	CON00046.03	075-PRG2543S	\$3.00	\$2.00
0.075" Chisel, Large	CON00046.04	075-PRG2503S	\$3.00	\$2.00
0.075" Waffle	CON00046.05	075-PRG2509S	\$3.00	\$2.00
0.075" Spear	CON00046.06	075-PRG2541S	\$3.00	\$2.00
0.050" Socket, Solder Cup	CON00049.01	050-STB255P	\$3.03	\$2.02
0.050" Crown	CON00050.01	050-PTP2558S	\$5.94	\$3.96
0.050" Chisel, Small	CON00050.03	050-PTP2543S	\$5.94	\$3.96
0.050" Chisel, Large	CON00050.04	050-PTP2503S	\$5.94	\$3.96

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Foam Spacers

Foam Spacers are used, when necessary, to stabilize the board as it is inserted and pushed down onto the pogo pins. They are self adhesive.

Item	Order Number	Price 1-9	Price 10+
Foam Spacer, 0.500"	FMP00024.500	\$1.50	\$1.00

Push Down Pins

Push Down Pins press into 0.125" holes on the top cover and push the circuit board down on the pogo pins. At least 4 are required and about one for every 10 pogo pins.

Use 1.050" pin for normal applications.

Item	Order Number	Price 1-9	Price 10+
Push Pin, 1.050" long	FMP00022.1050	\$6.00	\$4.00
Push Pin, 0.800" long	FMP00022.0800	\$6.00	\$4.00

More Information

For more information about designing and fabricating Versi-Traq fixtures, see the [Versi-Traq Design Guide \(DOC-00038\)](#).

Interlock Switch

An Interlock Switch is available. It is mounted on the left Latch Tower and closes only after the Top Cover is down and latched.

Note: The Interlock Switch is not suitable for high current or high voltage switching. Use a low voltage relay to buffer the Interlock Switch.

Item	Order Number	Price Each
Interlock Switch, Left	ASY00028.1	\$50.00

Safety Skirts

Safety Skirts are fabricated from 0.25" x 1.00" clear polycarbonate and screwed to the bottom of the top cover. Mounting holes must be drilled in the Probe Plate and Top Cover. They prevent the operator from contacting high voltage.

Item	Order Number	Price Each
Safety Skirts, Std	ASY00029.02	\$85.00
Safety Skirts, Wide	ASY00029.03	\$100.00
Safety Skirts, Extra Wide	ASY00029.04	\$100.00
Safety Skirts, Deep	ASY00029.12	\$100.00
Safety Skirts, Deep & Wide	ASY00029.13	\$115.00