



EMULATION TECHNOLOGY, INC.
World Leader in Adapters, Clips, and Test Accessories

Pro Series Soft Touch Adapter User's Guide

Item: AS-SOFT/MIC38

Description: AS-MICTOR38TP-SOFTTCH-1

Rev A. 6/23/06

Purpose

The Pro Series Soft Touch Adapter (AS-MICTOR38TP-SOFTTCH-1) converts the industry standard connector-less probing footprint¹ into 0.1" pitch header pins and a Tyco/AMP 2-767004-2 MICTOR connector.

Equipment

1. The AS-MICTOR38TP-SOFTTCH-1 consists of (Figure 1):
 - a. one (1) pogo-pin base
 - b. one (1) breakout card and
 - c. two (2) stainless steel screws
2. Accessories required to mount the AS-MICTOR38TP-SOFTTCH-1 include:
 - a. Pro Series Soft Touch retention module, Agilent part number E5403A or ET part number ET-5403A.
 - b. #2 Philips screwdriver.
 - c. Target PCB with appropriate pad layout and mounting holes per the Pro Series Soft Touch requirement found in (2).

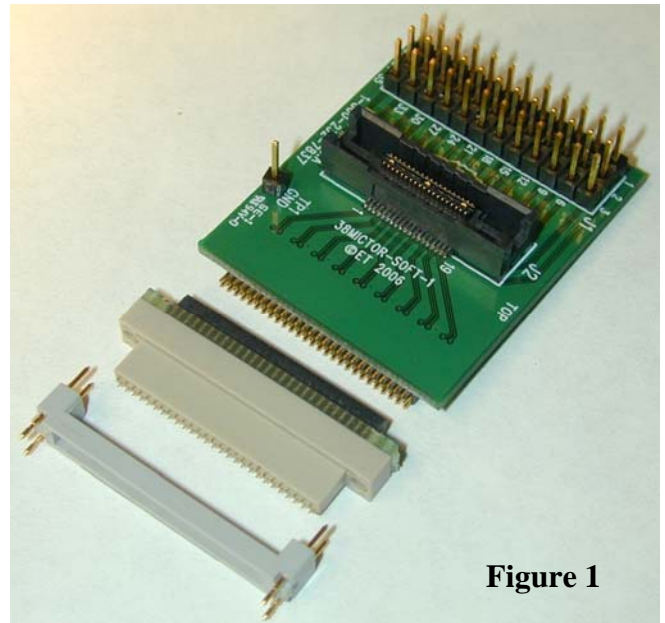


Figure 1

Installation

1. The AS-MICTOR38TP-SOFTTCH-1 requires the Pro Series Soft Touch retention module to be attached to the target PCB. Installation instructions for the retention module can be found in (2).
2. Insert the pogo-pin base into the retention module, PCB side up. The base is symmetrical, and requires no orientation. Be sure the breakout card is not yet attached. (Figure 2)

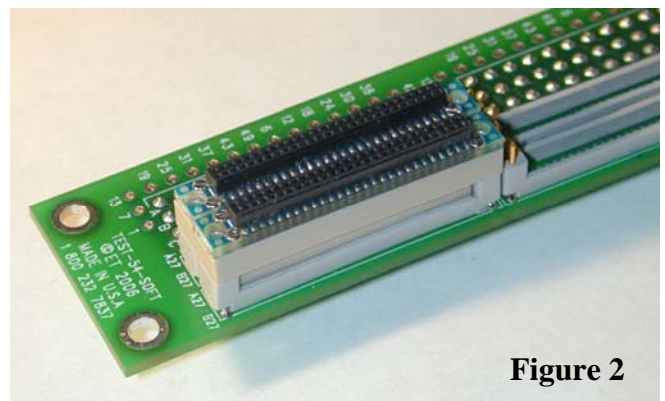


Figure 2

¹ <http://www.agilent.com/about/newsroom/presrel/2004/22jun2004c.html>

² Agilent Technologies E5400-Pro Series Soft Touch Connectorless Probes User's Guide, Agilent manual part number E5404-97004, August 2005



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3. Insert and tighten the two screws in an alternating manner to ensure the base inserts evenly into the retention module. ET recommends the use of torque screwdriver ET-TORQ-7CN to prevent over-tightening the screws. These screws are designed to provide strength in holding the base into the module, yet are low-profile to not interfere with the adapter card. (Figure 3)
4. Plug the breakout card into the base. The card can be oriented in either direction. Be sure to account for this when mapping the pins to your logic analyzer. (Figure 4)

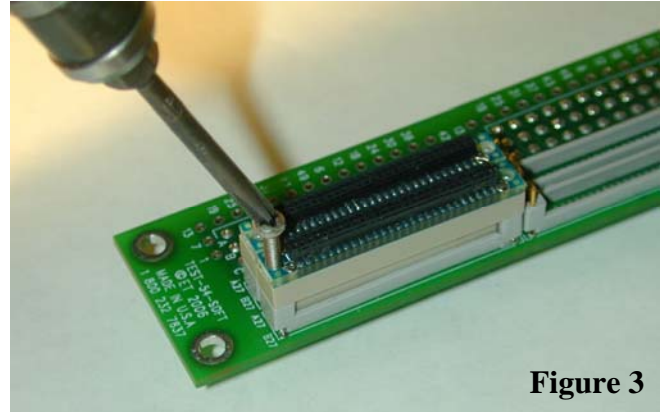


Figure 3

Usage

1. The AS-MICTOR38TP-SOFTTCH-1 provides signal access via 0.1" pitch header pins or a Tyco/AMP 2-767004-2 MICTOR connector. Choose the appropriate connector to mate to your logic analyzer and perform the required connections.
2. Note the orientation of the AS-MICTOR38TP-SOFTTCH-1 with respect to the Pro Series soft touch footprint and map the signals into the logic analyzer per the mapping table given in drawing F7540.
3. Perform system logic analysis.

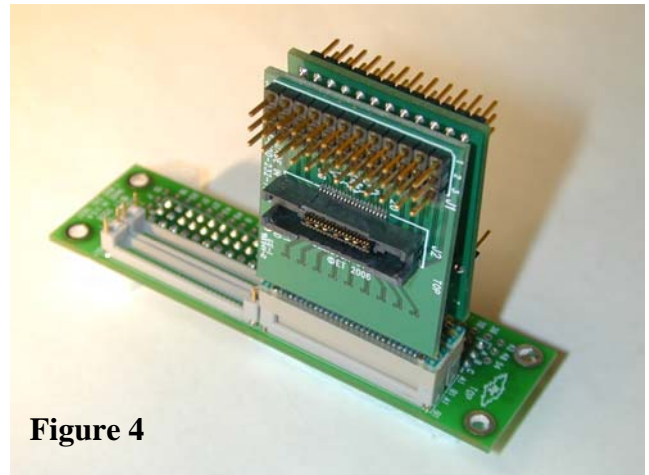


Figure 4

Storage

1. Disconnect the probes from the AS-MICTOR38TP-SOFTTCH-1.
2. Unplug the breakout card from the pogo pin base.
3. Unscrew and remove the pogo pin base from the retention module. The retention module can be optionally removed from the PCB.