

# Addendum

This document describes changes to Revision A of the *SSH-8 User's Guide*. Please read this document and keep it with your manual for future reference.

## SSH-FLT/8-5K Filter Module

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A new filter module, called the SSH-FLT/8-5K, has been added as an accessory to the SSH-8. The SSH-FLT/8-5K is a Cauer filter type. This section describes how to select an appropriate capacitor set to achieve the desired cutoff frequency range on an SSH-FLT/8-5K filter module.

The SSH-FLT/8-5K filter module is typically set to cover a frequency range of 8 Hz to 40 Hz. If the cutoff frequency you wish to use is within this range, you can ignore the information in this section and proceed with setting the onboard jumper for the clock range, as described on page B-10 of your *SSH-8 User's Guide*. Otherwise, refer to the package of auxiliary components supplied for the filter module.

The package of auxiliary components for the SSH-FLT/8-5K contains three sets of capacitors that correspond to the ranges of frequency within 40 Hz to 5 kHz. An additional set of capacitors that selects the 8 Hz to 40 Hz frequency range is installed on the board. Each of the capacitor sets contains five capacitors (C1 through C5). The values of C1 through C5 for each of the four frequency ranges are shown in Table 1.

**Table 1. Capacitor Choices for Cutoff Frequency Ranges**

Frequency Range	C1	C2	C3	C4	C5
1 kHz to 5 kHz	1500 pF	0.047 $\mu$ F	---	1000 pF	1000 pF
200 Hz to 1 kHz	0.01 $\mu$ F	0.22 $\mu$ F	---	4700 pF	4700 pF
40 Hz to 200 Hz	0.047 $\mu$ F	1.0 $\mu$ F	---	0.022 $\mu$ F	0.022 $\mu$ F
8 Hz to 40 Hz <sup>1</sup>	0.22 $\mu$ F	4.7 $\mu$ F	0.22 $\mu$ F	0.1 $\mu$ F	0.1 $\mu$ F

**Notes**

<sup>1</sup>Default range.

Choose the capacitor set whose corresponding frequency range includes the cutoff frequency you wish to use. Use the capacitors from the selected set to replace capacitors C1 through C5 on the filter module. Refer to Figure B-5 on page B-9 of your *SSH-8 User's Guide* for the placement of the capacitors on the filter module. Once the appropriate capacitors are installed, follow the instructions in Appendix B to set the clock range and the clock frequency and to mount the filter module on the SSH-8.

## **Cables Used with the STA-1800HC**

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To attach an STA-1800HC to an SSH-8 board, use the C-1800 cable. The S-1800 does not work with the STA-1800HC.