

# SOIC Base

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User Manual

January 1996

096-0121-003

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The SOIC MatchBook™(s) are used with the SOIC Base. Each MatchBook is designed to accept a small range of device package widths, and each MatchBook is named to indicate the device (package) width it accepts, such as, the .300 MatchBook. The table below shows a list of SOIC MatchBooks and the maximum number of pins each MatchBook supports.

MatchBook	Maximum Number of Pins
.150 SOIC	20
.220 SOIC	32
.300 SOIC	32
.350 SOIC	32
.420 SOIC	44
.450 SOIC	44
.530 SOIC	44

For complete MatchBook and Base information, refer to the *PinSite User Manual*, Chapter 2, "Installation," or the section titled "Install the Base" in Chapter 2 of the *2900/3900 User Manual*. The device support capabilities of each programmer (UniSite, 2900, and 3900) vary depending on the model number of the SOIC Base and the number of pin drivers installed in the programmer.

Programmer	SOIC Base	Pin Drivers	Pin Driver Cards	Max. #
2900	29BASE-0301	44	1	44
3900	39BASE-0301	88	2	56
UNISITE	715-2038-001	28	7	28
UNISITE	715-2038-001	32	8	32
UNISITE	PSBASE-0302	28	7	28
UNISITE	PSBASE-0302	32	8	32
UNISITE	PSBASE-0302	40	10	40
UNISITE	PSBASE-0302	44	11	44
UNISITE	PSBASE-0302	48	12	48
UNISITE	PSBASE-0302	52	13	52
UNISITE	PSBASE-0302	56	14	56

Also, when you select a device from your programmer device list, the terminal displays a message specifying which MatchBook to use with the selected device.

## Selecting the SOIC Device and MatchBook

Even though the MatchBooks come in different widths and are named according to their size, the difference in size is small. It may be difficult to tell which MatchBook is the correct one to use with your device.

Some manufacturers will have several listings of the same SOIC device on the menu; the suffix distinguishes them by device width. For example, the MCT device 24C02 could have more than one suffix: /A-SN or /A-SM. We recommend using the following procedure to select the correct MatchBook.

*Note: Refer to your programmer manual for complete device selection information.*

1. Go to the Select Device screen and choose the device you want to use.
2. Pay particular attention to the suffix to avoid putting a device into the wrong size MatchBook.

The correct MatchBook size for the device appears on the right-hand side of the message bar, near the top of the screen. For example:

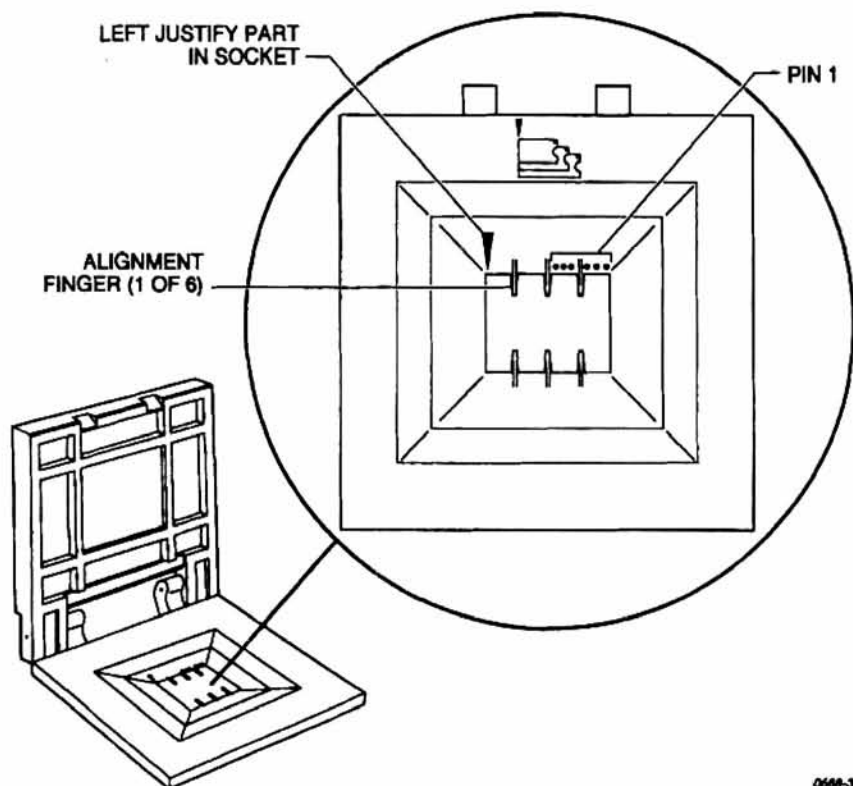
Matchbook: .300 SOIC

## Inserting the SOIC Device into a MatchBook

Use the following procedure to insert an SOIC device into the SOIC MatchBook. Before proceeding, make sure you have the SOIC Base properly installed in the 2900, 3900, or PinSite.

1. Position the SOIC device so that pin 1 is up and to the right as you view it from the top.

**Figure 1**  
**SOIC Device Insertion**



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2. Insert the SOIC device into the open MatchBook. Make sure the SOIC device is flush against the left-hand side of the MatchBook. Also make sure that the device is positioned between the six alignment fingers and not on top of them.

The device should be left justified. The unused portion of the socket will be on the right as you view it from the top.

The small, round dots along the top of the opening, as shown in Figure 1, indicate the location of pin 1 for the various sizes of SOIC devices the SOIC MatchBook will accept.

3. Finally, close the MatchBook and press the retaining latch forward with your thumb until the latch snaps into place.

