



Application Note: AN-105-SCB (Rev B)

Dec 30, 2005

In-Circuit Programming of Serial PROMs using AM-SCB

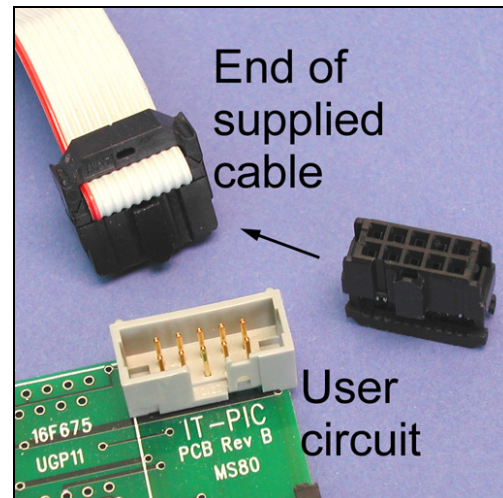
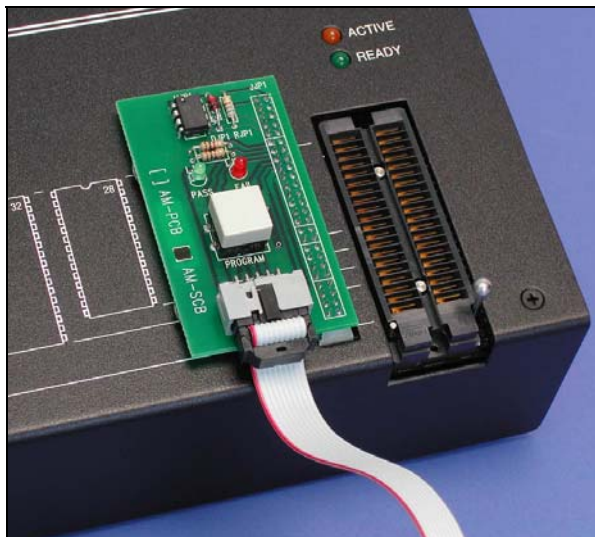
1.0 Introduction

AM-SCB is used for single-site programming of serial PROMs. AM-SCB can be used on the following programmer models:

PILOT-MVP,
PILOT-U44+,
PILOT-U84+,
PILOT-U128+,
PILOT-1600.

2.0 Installation of adapter

AM-SCB should be plugged into the 50-pin expansion port which is right next to the ZIF socket on the programmer. (On PILOT-MVP there is one expansion port. On PILOT-Uxx-Plus models there are two expansion ports.) A 10-inch flat ribbon cable (comes with the AM-SCB) connects AM-SCB to the user circuit board.



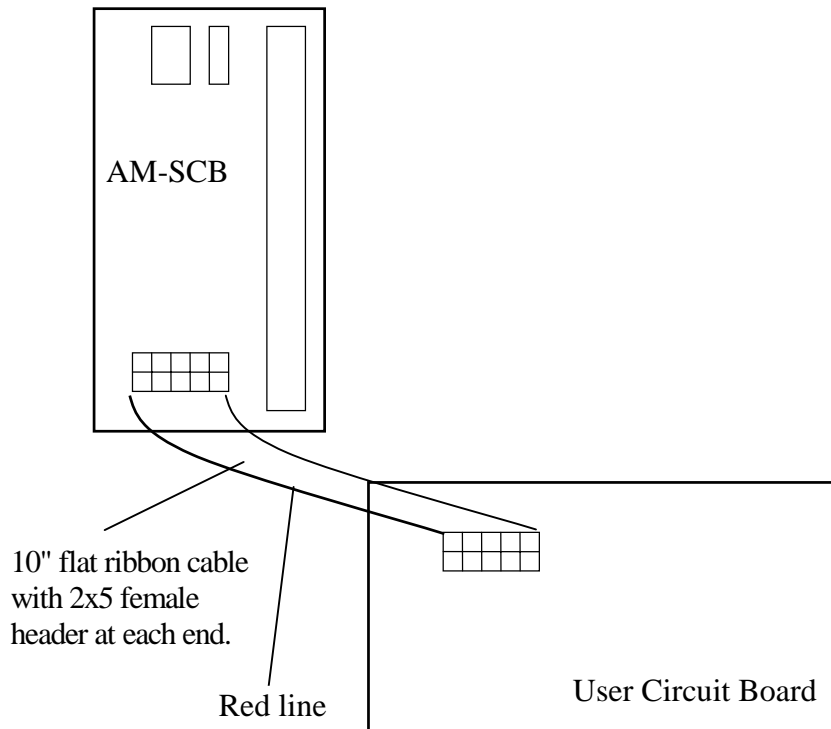
Install AM-SCB right next to the ZIF socket.
This picture is for a PILOT-MVP. It is similar for PILOT-Uxx-Plus models.

3.0 Pin assignment of connector

One way for your circuit board to interface with the AM-SCB is thru a 10-pin square-post male header, with 0.1" centers, arranged as shown in the following diagram.

If your circuit board does not have this 2x5 interface, you can make your own wiring and attach it to the end of the supplied cable. For your convenience, a spare male 2x5 pin plug is included for you to use.

Following is the pin-out for the AM-SCB module. The cable is placed with the red strip at Pin 1 of the 10-pin header.



For 24xx devices, the signal assignment is:

2 WP	4 VDD	6 A0	8 DATA	10 CLK
1 A2	3 VSS	5 A1	7 VSS	9 VSS

Pin-out of 2x5 male headers on AM-SCB and on user circuit board. (Top view)
(Signals WP, A0, A1, A2 are optional)

For 25xx devices, the signal assignment is:

2	4 VCC	6	8 DATA	10 CLK
1	3 VSS	5	7 VSS	9 VSS

Pin-out of 2x5 male headers on AM-SCB and on user circuit board. (Top view)

For 93xx devices, the signal assignment is:

2 DO	4 VCC	6 CS	8 DI	10 SK
1 N/A	3 GND	5 ORG	7 GND	9 GND

Pin-out of 2x5 male headers on AM-SCB and on user circuit board. (Top view)
(Signal ORG is optional)