

# Adtron I25CF 2.5" IDE CompactFlash Adapter Installation Manual

## Introduction

Congratulations on your purchase of the Adtron I25CF CompactFlash adapter! The I25CF Models 01 and 10 are solid state IDE adapters that connect to standard IDE controllers. The I25CF offers integrated master and slave storage and the I25CF Model 10 enables write protect options.

Visit [www.adtron.com/products](http://www.adtron.com/products) to view the complete line of Adtron SCSI and IDE flash disk drives.

<b>Indicators</b>	Green indicates power has been applied and the drive is in an idle state. Orange indicates that the drive is protected and a write occurred. Flashing LEDs indicate host accessing occurring.
<b>Interface</b>	2mm 50-pin header (with master/slave jumpers) or 44-pin cable. See the I25CF Product Specification for complete IDE interface details.
<b>Size</b>	90.6mm [3.567"] W x 101.85mm [4.01"] D x 12.7mm [.500"] H
<b>Weight</b>	Based on capacity
<b>Power</b>	5V +/- 5% @ 200 mA

Table 1 Specifications

## ESD Caution



Static electricity may be discharged through the I25CF. In extreme cases this may temporarily interrupt the operation or damage components. To prevent this, touch a grounded device, such as a computer case, prior to handling.

## Before installing the I25CF hardware

1. Turn off the computer in which you are installing the I25CF.
2. Make sure that you are properly grounded.
3. Set the master/slave jumper. See instructions below.
4. Set write protect options (Model 10). See instructions on page 2.

## Set the master/slave

The master/slave jumper is located on the front of the I25CF. Figure 1 shows the front view of the I25CF's 44-pin connector and the location of the jumpers. Refer to Table 2 for IDE jumper signals. Figure 2 shows the valid jumper configurations for master and slave, for Card # 1 and Card # 2. Grayed pins indicate jumpers on.

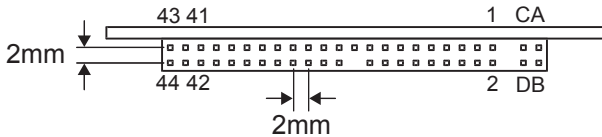
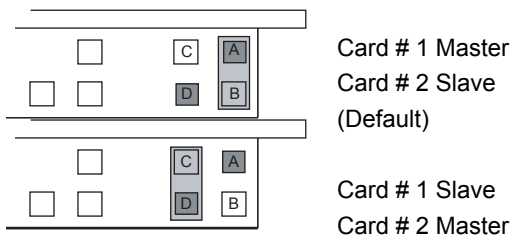


Figure 1 J1 Jumper

Pin	Signal
A	GND
B	M/S # 1
C	M/S # 2
D	GND

Table 2 Signals



Grayed pins are ground.

Figure 2 Jumper Descriptions

## Install the I25CF into a drive bay

The I25CF mounts into any standard 2.5" hard disk drive mounting application. **DO NOT** exceed the maximum insertion depth of 3mm [0.118"] from drive edge. Consider the length of screw used and thickness of the mounting surface. A common screw length of 4mm is provided but may not be correct in all applications. See Figure 3 for mounting hole locations.

## Connect the cable to the I25CF

Using an appropriate 2mm IDE cable, connect the I25CF to the IDE controller. A 50 conductor or 44-pin cable provides +5V power through pins 41 and 42 in Figure 1. Pin 43 is ground and pin 44 is not connected. The I25CF does not require 12V.

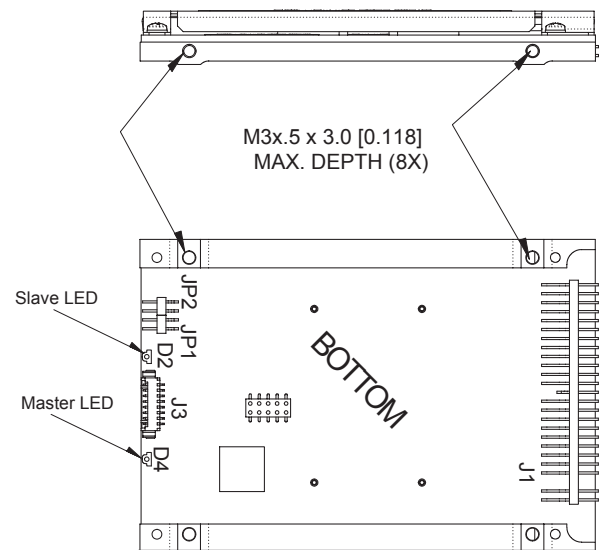
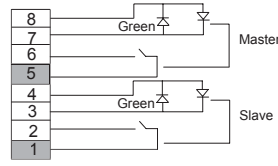
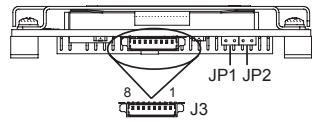
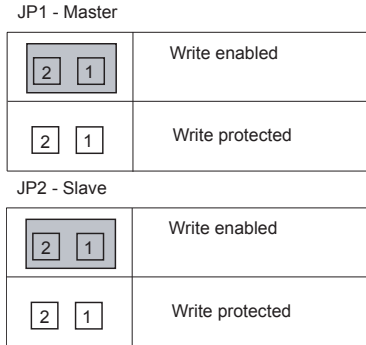


Figure 3 Mounting Holes – I25CF Model 10

**Enabling Write Protect (Model 10)**

To enable write protection on the I25CF Model 10, jumpers can be placed on JP1 or JP2, shown in Figure 4. See Figure 3 for the location of JP1 and JP2. J3 can also be used to cable write protect jumpers to the board and control master/slave options using LED indicators. If using J3 to control write protection, remove jumpers on JP1 and JP2. Refer to Table 3 and Figure 5 for the write protect signals on J3 and Figure 3 for the location of J3 on the I25CF.



Switch Open = Write Protect

Pin	Signal
1	Ground
2	Slave write protect
3	Slave LED power anode
4	Slave exterior LED cathode
5	Ground
6	Master write protect
7	Master LED power anode
8	Master exterior LED cathode

**Table 3 J3 Signals**

**Figure 4 JP1/JP2 Write Protect**

**Figure 5 J3 Indicators**

**Install an operating system**

The I25CF can be formatted like any standard hard disk drive – bootable for operating system function or not bootable. Any standard disk partitioning and formatting utility can be used. You can install any operating system you choose that is compatible with IDE devices. The method of installing a specific operating system can vary, so consult the operating system or IDE controller documentation for instructions.

**Troubleshooting**

The I25CF is simple to install and operate. Table 4 lists some common problems and possible solutions.

For more information, visit the Adtron web site at <http://www.adtron.com/support>, send email to [techsupport@adtron.com](mailto:techsupport@adtron.com), or contact technical support at 602-735-0300 in the U.S. or at +45-4557-0754 in Europe.

Problem	Possible Solution
The I25CF is not recognized by the computer.	Check that the cable(s) are connected properly. Check the master/slave settings.
The computer recognizes one drive, but not the other.	One drive must be master and the other one slave. Check the master/slave jumper settings on both drives.

**Table 4 Troubleshooting**

**Warranty**

Adtron warrants this product to be free from defects in materials and workmanship for three years. If this product fails within three years due to such a defect, Adtron will repair or replace this product at no charge.

This warranty does not apply if this product has been damaged by abuse, accident, disaster, misuse or incorrect installation. There are no user-serviceable components within the I25CF.

**Notice**

This manual describes the features of Adtron's I25CF. Adtron reserves the right to modify, amend, or in any way change the contents and/or products described herein, at any time, without notification.

The information contained in this document is provided for reference only. Adtron Corporation does not assume any liability arising out of the application or use of the products described herein. This document may contain or reference information or products protected by copyrights or patents and does not convey any license under the patent rights of Adtron Corporation, nor the rights of others.



**Adtron Corporation**

4415 E. Cotton Center Blvd. Suite #100  
 Phoenix, AZ 85040  
 Tel: U.S. 602-735-0300, Europe +41-56-496-5640  
 Fax: U.S. 602-735-0359, Europe +41-56-496-5648  
<http://www.adtron.com>

Copyright © 1998-2005 Adtron Corporation. All rights reserved.