IDE --- > Compact Flash

1. Introduction

This Converter Board is a converter solution for the IDE port to have CF card interface. It has a standard 40 pin or 44 pin IDE port which can interface to IDE host side and 50 pin Compact Flash socket in device side for Compact Flash card.

This is a convenient interface that allows bootable CompactFlash type device to be used in any system that has a standard IDE 40 pin or 44 pin connector.

1.1. Features

- Supports 40 pin & 44 pin IDE standard Port (Model: ST-308 only).
- Support CompactFlash™ cards (Type I & II) or IBM Microdrive™.
- Transparent to the operating system and does not require any drivers.
- The CF card can be the primary booting device containing the OS and application.
- For any computer case, mini computer, embedded system, iPC and Rackmount case.
- Supports jumper for master and slave setting.
- Push bottom ejector on board (Model: ST-308 only).
- Powered by 4 pin floppy connector or 44 pin IDE Port (Model: ST-308 only).

2. Installation

Step 1. Connect Y-type power cable to this Bridge board and PC Power Supply (Ignore this step when you use 44pin IDE connection which already have power input).

Step 2. Set jumper on IDE Master mode or Slave mode (for Model# ST-307, J1 ON = Master, J1 OFF = Slave.

Step 3. Connect IDE connector to IDE host port or IDE flat cable.

******** IDE interface can NOT support hot swapping. When you insert or remove the CF card, please power off your system.**

3. Signal Definition

Signal	40Pin IDE	44Pin IDE	CF Socket
RESET-	1	1	41
D0	17	17	21
D1	15	15	22
D2	13	13	23
D3	11	11	2
D4	9	9	3
D5	7	7	4
D6	5	5	5
D7	3	3	6
D8	4	4	47
D9	6	6	48
D10	8	8	49
D11	10	10	27
D12	12	12	28
D13	14	14	29
D14	16	16	30
D15	18	18	31
IOR-	25	25	34
IOW-	23	23	35
DMARQ	21	21	
DMACK-	29	29	
IORDY	27	27	42
IRQ	31	31	37
A0	35	35	20
A1	33	33	19
A2	36	36	18
IOCS16-	32	32	24
PDIAG-	34	34	46
CSEL	28	28	
CS0-	37	37	7
CS1-	38	38	32
DASP-	39	39	45
+5V		41,42	13,38
GND		43	1,50

4. ST-308 Serials Mechanical Dimension