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Find the *Red Rock Technologies RRTC-1HA40CD-J5* at our website: *Click HERE*

Red Rock Technologies, Inc.,
14429 N. 73rd Street, Scottsdale, Arizona 85260-3131
Tel: 480-483-3777 - Web: www.RedRockTech.com – Email: Info@RedRockTech.com

CompactPCI® Mass Storage Module with ATA bus interface at J5

Configuration Information

(Rev. 08/31/2006)

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Hard Drive Master/Slave Configuration

The hard drive can be configured to be a master or a slave. This can be accomplished directly on the hard drive itself with jumper settings (see the label on the drive). Or, it is possible to configure the drive to allow the Cable Select signal to set the drive to be a master or a slave.

To use the Cable Select signal method, see the discussion of J7 below.

J7 – Cable Select Jumper

Jumper J7 configures the Cable Select Signal for the hard drive. It is possible to set the drive to be a master or slave directly with the Cable Select Signal. It is also possible to use the Cable Select Signal from ATA bus #1 to configure the drive to be a master or slave.

Typically, for hard drives, if the Cable Select pin is left open, the drive is a slave. If the Cable Select pin is low, then the drive is a master.

Desired Configuration	Connect Pins of J7**
Master	2 and 3
Slave	None
Allow the Host ATA controller to select master or slave via the Cable Select Signal**	1 and 2

****NOTE: The hard drive must also be configured for the Cable Select method.**

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CDROM Master/Slave Configuration
J12 – Cable Select Jumper

Jumper J12 configures the Cable Select Signal for the CDROM drive. It is possible to set the drive to be a master or slave directly with the Cable Select Signal. It is also possible to use the Cable Select Signal from ATA bus #2 to configure the drive to be a master or slave.

Typically, for CDROM drives, if the Cable Select Signal is left open, the drive is a master. If the Cable Select Signal is low, then the drive is a slave.

Desired Configuration	Connect Pins of J12
Master	None
Slave	2 and 3
Allow the Host ATA controller to select master or slave via the Cable Select Signal	1 and 2

REAR TRANSITION MODULE CONNECTIONS

Floppy Drive Bus
Connect the external floppy bus cable to the Rear Transition Module (RTM) connector J6.

CDROM ATA Bus
Connect the external ATA Bus used for the CDROM to RTM connector J8

Hard Drive ATA Bus
Connect the external ATA Bus used for the Hard Drive to RTM connector J7

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J1 CONNECTOR

PIN	A	B	C	D	E	F/Z
25	5V	N.C.	N.C.	N.C.	5V	GND
24	N.C.	5V	N.C.	N.C.	N.C.	GND
23	N.C.	N.C.	N.C.	N.C.	N.C.	GND
22	N.C.	GND	N.C.	N.C.	N.C.	GND
21	N.C.	N.C.	N.C.	N.C.	N.C.	GND
20	N.C.	GND	N.C.	N.C.	N.C.	GND
19	N.C.	N.C.	N.C.	GND	N.C.	GND
18	N.C.	GND	N.C.	N.C.	N.C.	GND
17	N.C.	N.C.	N.C.	GND	N.C.	GND
16	N.C.	GND	N.C.	N.C.	N.C.	GND
15	N.C.	N.C.	N.C.	N.C.	N.C.	GND
12 – 14	KEY AREA					GND
11	N.C.	N.C.	N.C.	GND	N.C.	GND
10	N.C.	GND	N.C.	N.C.	N.C.	GND
9	N.C.	N.C.	N.C.	GND	N.C.	GND
8	N.C.	GND	N.C.	N.C.	N.C.	GND
7	N.C.	N.C.	N.C.	GND	N.C.	GND
6	N.C.	GND	N.C.	N.C.	N.C.	GND
5	N.C.	N.C.	N.C.	GND	N.C.	GND
4	N.C.	N.C.	N.C.	N.C.	N.C.	GND
3	N.C.	N.C.	N.C.	N.C.	N.C.	GND
2	N.C.	5V	N.C.	N.C.	N.C.	GND
1	5V	N.C.	N.C.	N.C.	5V	GND
PIN	**A**	**B**	**C**	**D**	**E**	**F/Z**

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J3 CompactPCI CONNECTOR

PIN	A	B	C	D	E	F/Z
19	N.C.	N.C.	N.C.	N.C.	N.C.	GND
18	N.C.	N.C.	N.C.	N.C.	N.C.	GND
17	N.C.	N.C.	N.C.	N.C.	N.C.	GND
16	N.C.	N.C.	N.C.	N.C.	N.C.	GND
15	N.C.	N.C.	N.C.	N.C.	N.C.	GND
14	N.C.	N.C.	N.C.	N.C.	N.C.	GND
13	N.C.	N.C.	N.C.	N.C.	N.C.	GND
12	N.C.	N.C.	N.C.	N.C.	N.C.	GND
11	N.C.	N.C.	N.C.	N.C.	N.C.	GND
10	N.C.	N.C.	N.C.	N.C.	N.C.	GND
9	N.C.	N.C.	N.C.	N.C.	N.C.	GND
8	N.C.	N.C.	N.C.	N.C.	N.C.	GND
7	N.C.	N.C.	N.C.	N.C.	N.C.	GND
6	N.C.	N.C.	N.C.	N.C.	N.C.	GND
5	N.C.	N.C.	N.C.	N.C.	N.C.	GND
4	N.C.	N.C.	N.C.	N.C.	N.C.	GND
3	N.C.	N.C.	N.C.	N.C.	N.C.	GND
2	N.C.	N.C.	N.C.	N.C.	N.C.	GND
1	N.C.	N.C.	N.C.	N.C.	N.C.	GND
PIN	**A**	**B**	**C**	**D**	**E**	**F/Z**

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J5 CompactPCI CONNECTOR

PIN	A	B	C	D	E	F/Z
22	N.C.	N.C.	N.C.	N.C.	N.C.	GND
21	N.C.	N.C.	N.C.	N.C.	N.C.	GND
20	N.C.	N.C.	N.C.	N.C.	N.C.	GND
19	BPROTECT	BREAD	BCHANGE	BREADY	BTRACK00	GND
18	BINDEX	MOTOR	DENSENS	DIRECTION	STEP	GND
17	SELECT	DENSELB	HEAD	WRITE	GATE	GND
16	DD9S	DD8S	DD10S	DD11S	N.C.	GND
15	/RESETS	AUDIOGND	R-CH	N.C.	L-CH	GND
14	DD7S	DD6S	DD5S	DD12S	N.C.	GND
13	DMARQS	IORDYS	/DIOWS	/DMACKS	/DIORS	GND
12	DD13S	DD3S	DD4S	DD15S	N.C.	GND
11	N.C.	DA0S	DA1S	/PDIAGS	/IOCS16S	GND
10	DD1S	DD2S	DD14S	DD0S	INTRQS	GND
9	/CS0S	/DASPS	DA2S	/CS1S	CSLCTS	GND
8	/RESETP	DD7P	DD6P	DD5P	DD4P	GND
7	DD3P	DD2P	DD1P	DD0P	DMARQP	GND
6	/DIOWP	/DIORP	IORDYP	/DMACKP	INTRQP	GND
5	DA1P	DA0P	/CS0P	/DASPP	DD8P	GND
4	DD9P	DD10P	DD11P	DD12P	DD13P	GND
3	DD14P	DD15P	CSELP	/IOCS16P	/PDIAGP	GND
2	DA2P	/CS1P	N.C.	N.C.	N.C.	GND
1	GND	GND	GND	GND	GND	GND
PIN	**A**	**B**	**C**	**D**	**E**	**F/Z**

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SERVICE PROCEDURE

Should the product require repair under warranty, contact Red Rock Technologies, Inc. to obtain a return materials authorization (RMA) number. Include the RMA number, contact name, contact telephone number, contact email address and explanation of problem with the returned product.

Ship the product to be repaired to Red Rock Technologies, Inc. pre-paid, in its original packing material and carton or packaged in such a manner as to protect it from any damage during return shipping. Product must be handled and packaged using Industry Standard ESDS procedures and materials. Shipping, insurance and any applicable duties and handling charges for returned material must be pre-paid to Red Rock Technologies' dock or the returned material will be refused. Within the continental U.S., Red Rock Technologies will pay for shipment of the repaired or replacement product to the customer via surface carrier. For warranty repair outside the U.S., the customer will be responsible for return shipping, insurance and any applicable duties.

Repairs made out of warranty or for damages excluded from warranty coverage will be performed at Red Rock Technologies' normal rate. Under these circumstances, applicable shipping, insurance and duty charges will be the responsibility of the customer.

Ship to: Red Rock Technologies, Inc.
14429 N. 73rd Street
Scottsdale, Arizona 85260-3131
Telephone: 480-483-3777

STANDARD WARRANTY

Products are warranted against defects in materials and workmanship for a period of one year unless otherwise stated. Red Rock Technologies will, at its discretion, either repair or replace the product at no charge to the customer during the warranty period. Repaired or replacement product will be warranted for the remainder of the warranty period or 90 days, whichever is longer.

This warranty does not cover damage due to abuse, negligence, exposure to hostile environments, or any attempt by the customer (or anyone other than Red Rock Technologies' technical personnel) to modify or repair the product. The warranty is extended to the original purchaser or through the original purchaser if the product has been resold to an end-user.

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