



**Product Change Notice**  
**E-Disk® VME SCSI Wide Module Board Revision**  
 PCN-MK-011-00  
 July 22, 2008

**Overview**

Effective immediately, BitMICRO Networks, Inc. will begin shipping E-Disk® SCSI Wide Modules with new board revision. The new board revision provides support for Ultra320 SCSI Interface (Multimode-LVD) and supports Single Ended signaling (i.e. supports D3S40E drives) for both E-Disk 3S40E and E-Disk 3S320E solid state drives. Below is the summary of changes made:

<b>VME Board Revision</b>	<b>From: REV E WVMECON</b>	<b>To: A VER DBMVDVLS2</b>
<b>Interface</b>	Fast Wide SCSI-2	Ultra320 SCSI
<b>E-Disk Drive Support</b>	E-Disk 3S40E	E-Disk 3S40E or E-Disk 3S320E
<b>Terminator Power</b>	User Configurable	Not configurable (routed via cable from the SCSI bus host adapter)
<b>TERMPWR Jumper Configuration</b>	Via jumper settings. Refer to user manual (Chapter 2, Page 13)	Not configurable
<b>Front Panel SCSI Connector Pin-Outs</b>	All pins 1-34 shall be connected to ground, except for pins 16=DIFFSENS, 17, 18=Tempwr, 19=Reserved Pins 35-68: Refer to user manual (Chapter 1, Page 7)	For Pins 1-34, only pins 15, 20, and 22 are connected to ground. Pins 35-68 same as REV E WVMECON
<b>P2 Connector Pin-Outs</b>	Refer to E-Disk VME SCSI Wide (Convection) User Manual rev.00	Refer to E-Disk VME SCSI Wide (Convection) User Manual rev.02

**Affected Products:**

E-Disk® VME 6S40V

**Recommendation:**

For modules with Ultra320 SCSI drives, order for E-Disk VME 6S320V model, instead.

**Additional Information:**

A detailed comparison between the two boards' connector pinouts is detailed on the subsequent pages.

## FRONT PANEL 68-PIN SCSI HEADER CONNECTOR COMPARISON

### A VER DBMVDVLS2 Front Panel 68-Pin SCSI Header Connector

Pin	Signal	Pin	Signal	Direction	Description
1	+DB (12)	35	-DB (12)	In/Out	Bidirectional data line 12
2	+DB (13)	36	-DB (13)	In/Out	Bidirectional data line 13
3	+DB (14)	37	-DB (14)	In/Out	Bidirectional data line 14
4	+DB (15)	38	-DB (15)	In/Out	Bidirectional data line 15
5	+DB (P1)	39	-DB (P1)	In/Out	Bidirectional data line parity 1
6	+DB (0)	40	-DB (0)	In/Out	Bidirectional data line 0
7	+DB (1)	41	-DB (1)	In/Out	Bidirectional data line 1
8	+DB (2)	42	-DB (2)	In/Out	Bidirectional data line 2
9	+DB (3)	43	-DB (3)	In/Out	Bidirectional data line 3
10	+DB (4)	44	-DB (4)	In/Out	Bidirectional data line 4
11	+DB (5)	45	-DB (5)	In/Out	Bidirectional data line 5
12	+DB (6)	46	-DB (6)	In/Out	Bidirectional data line 6
13	+DB (7)	47	-DB (7)	In/Out	Bidirectional data line 7
14	+DB (P)	48	-DB (P)	In/Out	Bidirectional data line parity
15	GND	49	GND	-	Ground reference
16	DIFFSENS	50	GND	-	SCSI sense/Ground reference
17	TERMPWR	51	TERMPWR	-	Terminator Power
18	TERMPWR	52	TERMPWR	-	Terminator Power
19	RESERVED	53	RESERVED	-	Reserved for future use
20	GND	54	GND	-	Ground reference
21	+ATN	55	-ATN	In/Out	Attention
22	GND	56	GND	-	Ground reference
23	+BSY	57	-BSY	In/Out	Busy
24	+ACK	58	-CK	In	Acknowledge
25	+RST	59	-RST	In	Reset
26	+MSG	60	-MSG	Out	Message
27	+SEL	61	-SEL	In/Out	Select
28	+C/D	62	-C/D	Out	Control/Data
29	+REQ	63	-REQ	Out	Request
30	+I/O	64	-I/O	Out	Input/Output
31	+DB (8)	65	-DB (8)	In/Out	Bidirectional data line 8
32	+DB (9)	66	-DB (9)	In/Out	Bidirectional data line 9
33	+DB (10)	67	-DB (10)	In/Out	Bidirectional data line 10
34	+DB (11)	68	-DB (11)	In/Out	Bidirectional data line 11

*NOTE: The minus sign next to the signals indicates active low.*

## REV E WVMECON Front Panel 68-Pin SCSI Header Connector

Pin	Signal	Direction	Description
35	-DB (12)	In/Out	Bidirectional data line 12
36	-DB (13)	In/Out	Bidirectional data line 13
37	-DB (14)	In/Out	Bidirectional data line 14
38	-DB (15)	In/Out	Bidirectional data line 15
39	-DB (P1)	In/Out	Bidirectional data line parity 1
40	-DB (0)	In/Out	Bidirectional data line 0
41	-DB (1)	In/Out	Bidirectional data line 1
42	-DB (2)	In/Out	Bidirectional data line 2
43	-DB (3)	In/Out	Bidirectional data line 3
44	-DB (4)	In/Out	Bidirectional data line 4
45	-DB (5)	In/Out	Bidirectional data line 5
46	-DB (6)	In/Out	Bidirectional data line 6
47	-DB (7)	In/Out	Bidirectional data line 7
48	-DB (P)	In/Out	Bidirectional data line parity
49	GND	-	Ground reference
50	GND	-	SCSI sense/Ground reference
51	TERMPWR	-	Terminator Power
52	TERMPWR	-	Terminator Power
53	RESERVED	-	Reserved for future use
54	GND	-	Ground reference
55	-ATN	In/Out	Attention
56	GND	-	Ground reference
57	-BSY	In/Out	Busy
58	-CK	In	Acknowledge
59	-RST	In	Reset
60	-MSG	Out	Message
61	-SEL	In/Out	Select
62	-C/D	Out	Control/Data
63	-REQ	Out	Request
64	-I/O	Out	Input/Output
65	-DB (8)	In/Out	Bidirectional data line 8
66	-DB (9)	In/Out	Bidirectional data line 9
67	-DB (10)	In/Out	Bidirectional data line 10
68	-DB (11)	In/Out	Bidirectional data line 11
<i>Notes:</i> 1. All pins 1-34 shall be connected to ground, except for pins 16=DIFFSENS, 17, 18=Termpwr, 19=Reserved 2. The minus sign next to the signals indicates active low			

## P2 CONNECTOR PINOUTS COMPARISON:

### A VER DBMVDVLS2 P2 Connector Pin Outs

P2 Pin	P2 Signal	P2 Signal	P2 Pin
A1	+DB 11	-DB 11	C1
A2	+DB 10	-DB 10	C2
A3	+DB 9	-DB 9	C3
A4	+DB 8	-DB 8	C4
A5	+I/O	-I/O	C5
A6	+REQ	-REQ	C6
A7	+C/D	-/D	C7
A8	+SEL	-SEL	C8
A9	+MSG	-MSG	C9
A10	+RST	-RST	C10
A11	+ACK	-ACK	C11
A12	+BSY	-BSY	C12
A13	GROUND	GROUND	C13
A14	+ATN	-ATN	C14
A15	GROUND	GROUND	C15
A16	TERMPower	TERMPower	C16
A17	DIFFSENS	DIFFSENS	C17
A18	+DBP	-DBP	C18
A19	+DB 7	-DB 7	C19
A20	+DB 6	-DB 6	C20
A21	+DB 5	-DB 5	C21
A22	+DB 4	-DB 4	C22
A23	+DB 3	-DB 3	C23
A24	+DB 2	-DB 2	C24
A25	+DB 1	-DB 1	C25
A26	+DB 0	-DB 0	C26
A27	+DBP 1	-DBP 1	C27
A28	+DB 15	-DB 15	C28
A29	+DB 14	-DB 14	C29
A30	+DB 13	-DB 13	C30
A31	+DB 12	-DB 12	C31
A32	GROUND	GROUND	C32

### REV E WVMECON P2 Connector Pin Outs

P2 Pin	P2 Signal	P2 Signal	P2 Pin
A1	+DB 11	-DB 11	C1
A2	+DB 10	-DB 10	C2
A3	+DB 9	-DB 9	C3
A4	+DB 8	-DB 8	C4
A5	+I/O	-I/O	C5
A6	+REQ	-REQ	C6
A7	+C/D	-/D	C7
A8	+SEL	-SEL	C8
A9	+MSG	-MSG	C9
A10	+RST	-RST	C10
A11	+ACK	-ACK	C11
A12	+BSY	-BSY	C12
A13	GROUND	GROUND	C13
A14	+ATN	-ATN	C14
A15	GROUND	GROUND	C15
A16	TERMPower	TERMPower	C16
A17	DIFFSENS	DIFFSENS	C17
A18	+DBP	-DBP	C18
A19	+DB 7	-DB 7	C19
A20	+DB 6	-DB 6	C20
A21	+DB 5	-DB 5	C21
A22	+DB 4	-DB 4	C22
A23	+DB 3	-DB 3	C23
A24	+DB 2	-DB 2	C24
A25	+DB 1	-DB 1	C25
A26	+DB 0	-DB 0	C26
A27	+DBP 1	-DBP 1	C27
A28	+DB 15	-DB 15	C28
A29	+DB 14	-DB 14	C29
A30	+DB 13	-DB 13	C30
A31	+DB 12	-DB 12	C31
A32	GROUND	GROUND	C32

You may contact [BitMICRO Technical Support](#) for a copy of the E-Disk VME SCSI Wide (Convection) User Manual and Specifications.

Should you have any questions, please do not hesitate to contact your BitMICRO Sales Representative at [sales@bitmicro.com](mailto:sales@bitmicro.com) or at 510-743-3475.