



Celebris GL and Digital PC 5400

Product Change Information

Release Date: February 26, 1998

This document details the following for the Celebris GL and DIGITAL PC 5400 product change information:

- Introduction
- Product Change Summary
- BIOS Release Summary
- Product Change Release Notes
- BIOS Change Release Notes
- Customer Impact Ratings
- Future Releases

Introduction

This document is meant to provide customers with a synopsis of product changes. The change information will enable customers to evaluate the impact any change has on their environment. All proposed product changes are appraised for impact to daily customer operations. The evaluation includes, but is not limited to such items as; safety, emission requirements, functionality, compatibility, reliability, and the manufacturing process. Recommendations are then made to customer on whether such action needs to be taken. On occasion, emergency changes will be released before they are reflected in this document.

Product Change Summary

The Product Change Summary provides a overview of the "Engineering Change Orders" or ECOs that have been released. This matrix provided the part number, part description, date of release, customer impact, and brief description of the change. At this time, this document only covers Main Logic Board (MLB) and system BIOS changes. Future releases of this document will include ECO information for other critical salable components.

Main Logic Board Change Summary

The Main Logic Board Change Summary provides an overview of the "Engineering Change Orders" or ECOs that have been released for the main logic board. This matrix supplies the part number, part description, date of release, customer impact, and brief description of the change.

At this time, this document accompanies new product releases. Thus there are no ECOs to be documented at this time. Future releases of this document will cover ECOs for the Main Logic Board (MLB).

BIOS Release Notes

The BIOS Release Notes provide more detailed change information on each BIOS release. This information includes a three sections: problem fixed, new features, and compatibility.

Impact Rating

For each product change a customer impact rating is given. The customer impact rating can be one of four ratings: High, Medium, Low, or None.

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|---------------|---|
| High | A "HIGH" rating indicates that this change has some or significant customer impact. This change may affect functionality or compatibility. |
| Medium | A "MEDIUM" rating indicates that this change may impact some customers or customers using certain configurations. This change will have a minor effect on reliability, functionality, or compatibility. |
| Low | A "LOW" rating indicates that this change will have a minor impact on customers. This change is typically a product improvement and/or enhancement. |
| None | A "NONE" rating indicates that this change has no customer impact. |

Future Releases

Future releases will incorporate information for other critical system components. Moving forward, BIOS changes will be separated from the Main Logic Board (MLB) changes. Historically, BIOS releases were tied to MLB revision therefore a change in BIOS version would change the MLB revision. In the future, a BIOS change will be independent and not affect the MLB revision.

Product Change Summary

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
54-24578-01	MLB	B01	5424578-TA001	Aug 96	High	BIOS Release V1.01
54-24578-02	MLB	B01	5424578-TA001	Aug 96	High	BIOS Release V1.01
54-24578-01	MLB	C01	5424578-TA002	Sept 96	High	BIOS Release V1.02
54-24578-02	MLB	C01	5424578-TA002	Sept 96	High	BIOS Release V1.02
54-24578-01	MLB	E01	5424578-TA003	Sept 96	Low	Pull-up resistors
54-24578-02	MLB	D01	5424578-TA003	Sept 96	Low	Pull-up resistors
54-24578-01	MLB	E01	5424578-TA004	Sept 96	Low	Delete diode
54-24578-02	MLB	D01	5424578-TA004	Sept 96	Low	Delete diode
Short Tower	MLB	A04	PCB10-TA003	Oct 96	Low	Material change
GL Systems P6CPU			ECR WRM-023/FRB16AX	Nov 96	Low	Manufacturing component substitution
FR-B16AX-B1		D02				
FR-B16JN-DA		B02	ECR WRM-026/FRB16BJN			
FR-B16JN-DB		B02				
FR-B16JN-EG		C02				
GL Systems P6CPU			ECR WRM-028/FRB16JP	Nov 96	Low	Manufacturing component substitution
FR-B16AC-BA		A02				
FR-B16AC-DA		A02	ECR WRM-029/FRB16AC			
FR-B16AC-DB		A02				
FR-B16JN-EG		A02				
FR-B16JP-EG		A02	ECR WRM-030/FRB16JC			
FR-B16JC-DA		A02				
FR-B16JC-DB		A02				
FR-B16JC-EG		A02				
FR-B16WW-EG		None	ECR WRM-048/FRB16WW	Nov 96	High	Change assembly instructions
FR-B16AN-EG						
FR-B16JN-EG						
FR-B16AP-EG			ECR WRM-049/PCBGL			
FR-B16JP-EG						
FR-B16AC-EG						
FR-B16JC-EG						
2N-DECAQ-29,30,31, 36						
FR-B15WW-EG						
FR-B15AN-EG						
FR-B15JN-EG						
FR-B15AP-EG						
FR-B15JP-EG						
FR-B15AC-EG						
FR-B15JC-EG						
PCBGL-AC,AD						

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
FR-B16WW-EG FR-B16AN-EG FR-B16JN-EG FR-B16JP-EG FR-B16AP-EG FR-B16AC-EG FR-B16JC-EG 2N-DECAQ-29,30,31, 36 FR-B15WW-EG FR-B15AN-EG FR-B15JN-EG FR-B15AP-EG FR-B15JP-EG FR-B15AC-EG FR-B15JC-EG PCBGL-AC,AD		None	ECR WRM-050/FRB16WW	Nov 96	Low	Add SCSI cable
All GL systems ?		None	WRM-052/FRB16WW	Nov 96	Low	Alternate source 8X CDROM
FR-B16WW-EG FR-B16AN-EG FR-B16JN-EG FR-B16AP-EG FR-B16AC-EG FR-B16JP-EG FR-B16JC-EG 2N-DECAQ-29,30,31,32,33,34,35,36 FR-B15WW-EG FR-B15AN-EG FR-B15AP-EG FR-B15JP-EG FR-B15AC-EG PCBGL-AC,AD		None	ECR WRM-056/FRB16WW	Dec 96	Low	Allow Adaptec SCSI controllers
GL Systems		All systems affected	WRM-062a/FRB05WW	Feb 97	Low	B1 P6 processor
54-24578-01	MLB	F01	5424578-TA005	Dec 96	High	BIOS Release
54-24578-02	MLB	E01	5424578-TA005	Dec 96	High	BIOS Release
Dual Processor System	Dual Processor	None	ECR WRM-057A/FRB96WW	Dec 96	Low	Delete unused cable
54-24570-01	Riser Card	C02	5424570-TA003 5424574-TA003	Dec 96	Medium	Resistor change
54-24570-02	Riser Card	B02	5424570-TA003 5424574-TA003	Dec 96	Medium	Resistor change
54-24574-01	Riser Card	D02	5424570-TA003 5424574-TA003	Dec 96	Medium	Resistor change
54-24574-02	Riser Card	D02	5424570-TA003 5424574-TA003	Dec 96	Medium	Resistor change

Part Number	Part	Rev	ECO Number	Date	Impact	Change Description
54-24562-01	Voltage regulator	B01	5424562-TA002	Dec 96	Low	Add capacitor
54-24562-02	Voltage regulator	B01	5424562-TA002	Dec 96	Low	Add capacitor
54-24578-01	MLB	H01	5424578-TA007	Jan 97	High	Update BIOS
54-24578-02	MLB	F01	5424578-TA007	Jan 97	High	Update BIOS
54-24560-01	LAN module	A01	5424560-TA007	Jan 97	Low	Alternate LAN module
54-24052-01	Voltage regulator	B01	5424052-TA003	Feb 97	Low	Add capacitor
54-24052-02	Voltage regulator	B01	5424052-TA003	Feb 97	Low	Add capacitor
PCB10-D1	DP Kernal	A03	PCB10-TA007	Feb 97	Low	Eliminate EMI clips
PCB10-D1	ST Kernal	A04	PCB10-TA007	Mar 97	Low	Component change
PCB10-A0	ST Kernal	A05	PCB10-TA007	Mar 97	Low	Component change
54-24578-01	MLB	J01	5424578-TA008	Mar 97	Low	Add resistor
54-24578-01	MLB	H01	5424578-TA008	Mar 97	Low	Add resistor
54-24570-01	Riser card	D02	5424570-TA004	Mar 97	Low	Alternate module
54-24570-01	Riser card	C02	5424570-TA004	Mar 97	Low	Alternate module
54-24574-01	Riser card	E01	5424574-TA004	Mar 97	Low	Alternate module
54-24574-02	Riser card	E01	5424574-TA004	Mar 97	Low	Alternate module
54-24564-01	MLB	D01	5424564-TA004	Mar 97	High	Update BIOS
54-24564-02	MLB	E01	5424564-TA004	Mar 97	High	Update BIOS
54-24564-03	MLB	B01	5424564-TA004	Mar 97	High	Update BIOS

BIOS Release Summary

BIOS Revision	MLB Revision	ECO Number	Date	Impact	Change Description
1.01	B01	5424578-TA001	Aug 96	High	Update BIOS via Flash Utility
1.02	C01	5424578-TA002	Sept 96	High	Update BIOS via Flash Utility
1.03	F01	5424578-TA005	Dec 96	High	Update BIOS via Flash Utility
1.03	E01	5424578-TA005	Dec 96	High	Update BIOS via Flash Utility

System Software CD(EFIGS)

Rel Date	Kit P/N	Ver.	CD P/N	Change Description
5-2-97	QC-04J8A-HW	1.6	AG-R0NXF-BH	AMI diagnostics revised to (5.21d), PCCare to (1.12b).

System Software CD(Japanese)

Rel Date	Kit P/N	Ver.	CD P/N	Change Description
5-2-97	QC-04JJA-HW	1.6	AG-R0UMD-BE	AMI diagnostics revised to (5.21d), PCCare to (1.12b).

Startup Diskette(EFIGS)

Rel Date	Kit P/N	Ver.	Disk P/N	Change Description
5-2-97	QC-05JAA-HC	1.1	AK-R3RTD-CA	AMI diagnostics revised to (5.21d), PCCare to (1.12b).

Diskette(Japanese)

Rel Date	Kit P/N	Ver.	Disk P/N	Change Description
5-2-97	QC-05JJA-HC	1.0	TBD	AMI diagnostics revised to (5.21d), PCCare to (1.12b).

ECO Number: 5424578-TA001

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 A01 - B01
54-24578-02 A01 - B01

Component: Flash BIOS

Severity: High

ECO Issue Date: August 23, 1996

Type of Notification: Customer is advised to update to the latest BIOS

Change Description: Update BIOS via Flash Utility

Problem Description:

1. The SMC EtherEZ (8416) PNP card can't be found in WinICU when installed in the system w/o Audio ess1888 chip and "Plug & Play O/S" is set to NO.
2. During a warm boot from DOS, the system erroneously displays error code 38h.
3. Change the embedded PCI bridge device AD from 19 to 31.
4. Change the DRAM timing setting. 60 ns: Reg 54: 00 -> 02
Reg 58: 2e -> 2f.
5. If we have MACRO PIIX3_ADDRESS (USB) in pcioem.asm, there will be disable/re_enable problem of on board EtherNet PCI device. If the MACRO, the above problem can be fixed, but embedded PCI IDE device can't free irq 15.
6. Before preserve Audio's irq 11, check cmosSysConfig first to determine if audio exist, if positive, check cmosSoundChip to determine the disable/enable status of audio.
7. Fixed APM1.2 test fail on WIN95 SCTV5.10 problem.
8. Fixed FDC port resource test, does not pass in WIN95 SCT.
9. Fixed I/O decode and 4k page memory test fail on WIN95 SCT.
10. Change HDD 32 bit I/O default setting to ENABLED.
11. Add the "Audio Play Back IRQ", "Audio Play back DMA" to setup to indicate the audio device source used.
12. Set Speaker volume default to "Hi"
13. Corrected the "hard disk will resume automatically during the suspend" problem.
14. During a cold boot, BIOS could not detect FP Parity SIMM. However, this was not a problem during a warm boot.
15. Fixed Win95 cannot re-initialize ESS device problem, when ESS disabled on setup.

16. The Audio IRQ cmos will be modified to IRQ 10 with disable LPT in WinICU. This will override any previous IRQ# settings.
17. The Audio IRQ cmos will be modified to IRQ 10 with load ICU DWCFGWG.SYS.
18. Run time disable COM/LPT H/W resource.
19. Modify GPIO access procedures to support programming GPIO bits both in POST and RunTime.
20. Support PS2 mouse dynamic enable/disable in Win95.
21. Identify product name by checking riser card model in addition to Matrox VGA device.
22. Fixed the Win95 SCT5.10 standby/suspend test failure caused by pressing the "Enter" key in the Numeric keyboard pad to resume testing.
23. Update Matrox VGA BIOS to version 2.1.
24. Fully support dynamic audio and joystick device nodes.
25. Change the method of detecting cpu L2 cache size.
26. Increase delay time from 4 seconds to 8 seconds for CD-ROM initialization in order to fix Toshiba 6X/8X CD-ROM boot from CD.
27. In DMI, identify product name by checking riser card model in addition to Matrox VGA device, and adjust the maximum L2 cache size to be 512K.
28. Fixed a warm boot burn in test caused by an 08 system hang when loading PMC_REG59= 00h (disable F segment shadow).
29. Change the following three PIIX3 reg values in regtbl.asm:
 - reg57 : from 11h to 51h
 - reg70 : from 08h to 20h
 - reg71 : from 03h to 10h

Solution:

Implement v1.01 BIOS.

Customer Impact/Recommendations:

The Customer is advised to update to the latest BIOS.

ECO Number: 5424578-TA002

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 B01 - C01
54-24578-02 B01 - C01

Component: Flash BIOS

Severity: High

ECO Issue Date: September 4, 1996

Type of Notification: Customer is advised to update to the latest BIOS

Change Description: Update BIOS via Flash Utility

Problem Description:

1. Default did not set an MA wait state for 60ns SIMMs, i.e. PMC reg58<0> = 0.
2. Modify the range of I/O address of joystick device node from 200h-207h to 201h-201h.

Solution:

Implement v1.02 BIOS.

Customer Impact/Recommendations:

The Customer is advised to update to the latest BIOS.

ECO Number: 5424578-TA003

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 D01 - E01
54-24578-02 C01 - D01

Component: Pull up Resistors

Severity: Low

ECO Issue Date: September 26, 1996

Type of Notification: No Customer Action is required

Change Description: Changing pull up resistor values to adhere to the DDC specification. Error in value was found during schematic review, no problems were encountered during testing.

Problem Description:

DDC SDA and SCL pull-up resistors are wrong.

Solution:

Changed Z136 from 1.0K (P/N 13-42606-12) to 2.2K (P/N 13-42606-05).

Customer Impact/Recommendations:

There is no known customer impact.

ECO Number: 5424578-TA004

Part: P6 Main Logic Board

Revision: 54-24578-01 D01 - E01
54-24578-02 C01 - D01

Component: Remove diode, install zero ohm resistor

Severity: Low

ECO Issue Date: September 26, 1996

Type of Notification: No Customer Action Required

Change Description: Removal of unneeded diode

Problem Description:

Diode is included in I/O chip, second diode (connected in series) not needed.

Solution:

Replace D43 (1N4148 diode, P/N 11-39599-01) with zero ohm resistor (P/N 13-22312-01).

Customer Impact/Recommendations:

The customer will receive no benefit by incorporating this change.

ECO Number: PCB10-TA003

Part: Celebris GL Short Tower Kernel

Revision: PCB10-A0 A03 - A04

Component: Main Logic Board brace

Severity: Low

ECO Issue Date: October 17, 1996

Type of Notification: No Customer action required

Change Description: Material change to assist manufacturing

Problem Description:

Manufacturing request for material change from sheet metal to plastic.

Solution:

Change component material from sheet metal to plastic.

Customer Impact/Recommendations:

No customer impact.

ECO Number: ECR WRM-023/FRB16AX, ECR WRM-026/FRB16JN,

Part: Celebris GL Systems

Revision:	FR-B16AX-B1	D01 - D02
	FR-B16JN-DA	B01 - B02
	FR-B16JN-DB	B01 - B02
	FR-B16JN-EG	C01 - C02

Component: P6 CPU, 200 MHz, 256K cache

Severity: Low

ECO Issue Date: November 8, 1996

Type of Notification: No Customer action required

Change Description: Manufacturing component substitution

Problem Description:

Material shortage of 21-43868-05, P6 CPU, 200 MHz, 256K cache.

Solution:

Use the substitute VRE P6 with associated substitute VRM in 200 MHz ST systems.

Customer Impact/Recommendations:

There is no customer impact.

ECO Number: ECR WRM-028/FRB16JP, ECR WRM-029/FRB16AC,
ECR WRM-030/FRB16JC

Part: Celebris GL Systems

Revision:	FR-B16AC-BA	A01 - A02
	FR-B16AC-DA	A01 - A02
	FR-B16AC-DB	A01 - A02
	FR-B16AC-EG	A01 - A02
	FR-B16JC-DA	A01 - A02
	FR-B16JC-DB	A01 - A02
	FR-B16JC-EG	A01 - A02

Component: P6 CPU, 200 MHz, 256K cache

Severity: Low

ECO Issue Date: November 11, 1996

Type of Notification: No Customer action required

Change Description: Manufacturing component substitution

Problem Description:

Material shortage of 21-43868-05, P6 CPU, 200 MHz, 256K cache.

Solution:

Use the substitute VRE P6 with associated substitute VRM in 200 MHz ST systems.

Customer Impact/Recommendations:

There is no Customer impact.

ECO Number: ECR WRM-048/FRB16WW, ECR WRM-049/PCBGL

Part: Unit(s) to be changed:
FR-B16WW-EG; FR-B16AN-EG;
FR-B16JN-EG; FR-B16AP-EG;
FR-B16JP-EG; FR-B16AC-EG;
FR-B16JC-EG; 2N-DECAQ-29,30,31,36;
FR-B15WW-EG; FR-B15AN-EG;
FR-B15JN-EG; FR-B15AP-EG;
FR-B15JP-EG; FR-B15AC-EG;
PCBGL-AC, AD FR-B15JC-EG

Revision: No revision change, add note to assembly instructions

Component: 7200 RPM SCSI Hard Drives

Severity: High

ECO Issue Date: November 19, 1996

Type of Notification: Customer action required only when installing HDD's that dissipate excessive heat

Change Description: Change assembly instructions to avoid problems

Problem Description:

The Nantucket ST cannot handle the heat dissipated by 7200 RPM SCSI HDD's (one or two) in the rear drive bays under the power supply.

Solution:

Add Note:..... "SCSI HDDs must be installed into front drive bays, not into rear bays beneath power supply."

Customer Impact/Recommendations:

The customer is advised to install additional SCSI hard drives per this notification.

ECO Number: ECR WRM-050/FR-B16WW

Part: **Unit(s) to be changed:**
FR-B16WW-EG; FR-B16AN-EG;
FR-B16JN-EG; FR-B16AP-EG;
FR-B16JP-EG; FR-B16AC-EG;
FR-B16JC-EG; 2N-DECAQ-29,30,31,36;
FR-B15WW-EG; FR-B15AN-EG;
FR-B15JN-EG; FR-B15AP-EG;
FR-B15JP-EG; FR-B15AC-EG;
FR-B15JC-EG; PCBGL-AC, AD

Revision: No revision to system level

Component: Cable

Severity: Low

ECO Issue Date: November 19, 1996

Type of Notification: Customer action may be required when adding SCSI hard drives

Change Description: Addition of cable for SCSI hdd activity led to function

Problem Description:

HDD activity LED is does not indicate SCSI HDD activity.

Solution:

Add 17-04472-01, Wire Harness Assy, 4POS 330mm, QTY of 1.

Customer Impact/Recommendations:

Customer is advised to add the wire harness assy if adding a SCSI HDD to the Celebris GL.

ECO Number: WRM-052/FR-B16WW

Part: All Celebris GL systems.

Revision: No revision to the system level

Component: CDROM

Severity: Low

ECO Issue Date: November 25, 1996

Type of Notification: Alternate source of qualified 8X CDROM

Change Description: Allow use of alternate source of qualified 8X CDROM

Problem Description:

Require an alternate source for 8x CD-ROM to prevent material shortage.

Solution:

Allow use of PCXRN-AF, TOSHIBA 8X CD-ROM.

Note: PCXRN-AG (LG Electronics) can be used as a substituted.

Customer Impact/Recommendations:

Customers may receive either CDROM installed in new systems.

ECO Number: ECR WRM-056/FRB16WW

Part: FR-B16WW-EG, FR-B16AN-EG, FR-B16JN-EG, FR-B16AP-EG
FR-B16JP-EG, FR-B16AC-EG, FR-B16JC-EG, 2N-DECAQ-29
2N-DECAQ-30, 2N-DECAQ-31, 2N-DECAQ-32, 2N-DECAQ-33
2N-DECAQ-34, 2N-DECAQ-35, 2N-DECAQ-36, FR-B15WW-EG
FR-B15AN-EG, FR-B15AP-EG, FR-B15JP-EG, FR-B15AC-EG
PCBGL-AC, PCBGL-AD

Revision: System level revisions did not change

Component: Adaptec SCSI controller BIOS

Severity: Low

ECO Issue Date: December 2, 1996

Type of Notification: No Customer action is required.

Change Description: Allow substitution of Adaptec SCSI controllers with BIOS at level 1.23.

Problem Description:

Adaptec BIOS level 1.23 has been qualified. Product will be changed to utilize Adaptec SCSI controller cards with new BIOS.

Solution:

DELETE: 30-46729-01, SCSI Adapter PCI Ultra Wide SCSI-3, qty of 1

Add: 39-46729-02, SCSI Adapter PCI Ultra Wide SCSI-3, qty of 1.

Add: Note: (Relative to item above: "30-46729-01 is a substitute.

Customer Impact/Recommendations:

Customers may use either Adaptec controller BIOS levels in new systems.

ECO Number: WRM-062a/FRB05WW

Part: Celebris GL Systems

Revision: All systems affected.

Component: P6 Processor

Severity: Low

ECO Issue Date: February 5, 1997

Type of Notification: No Customer action is required

Change Description: Allow the use of the step B1 P6 processor

Problem Description:

A1 step P6 parts going end of life. B1 step P6 are available.

Solution:

New part numbers were generated for the B1 step P6 processors and for the CPU assemblies that call them.

Because this involves a new CPU stepping, there is patch code that must be incorporated in the BIOS to support the new parts. BIOS v1.04 includes the new B1 patch code and must be used with the new CPU assemblies. BIOS v1.04 can be used with the older, A1 step processors.

Customer Impact/Recommendations:

Customers may receive A1 or B1 step parts in new systems. All customers are advised to update their systems to the latest BIOS level.

ECO Number: 5424578-TA005

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 E01 - F01
54-24578-02 D01 - E01

Component: Flash BIOS

Severity: High

ECO Issue Date: December 6, 1996

Type of Notification: Customer is advised to update to the latest BIOS

Change Description: Update BIOS via Flash Utility

Problem Description:

1. Intermittent condition causes the CPU speed to be displayed at 180: should be 200.
2. Change "Post Errors" from "Disable" to "Enable" (default).
3. Change the help text of setup\advanced\ advanced chipset control\USB device from "USB device" to "USB controller"
4. Change the help text of setup\main\boot options\ quiet boot from "Digiatl" to "Digital".
5. Change the sign on message of post from "Copyright (C) 1995 Digital" to "Copyright (C) 1996 Digital".
6. Support dynamic PS2 mouse device in Win95 and fix the QAR#67.
7. In order to fix Erratum #42, special bus cycles will be turned off for HALT, SHUTDOWN, and STPCLK cycles. This is done by setting bit <0> in BBL_CR_D3L to 1 before loading the BIOS update. This is bit <0> of EAX when accessing MSR 8Bh.
8. Pentium Pro Processor Update #37(WW33) Machine Check BIOS Changes for Windows NT 4.0 Platforms.
9. Change Mouse run-time functions.
10. Change IRQ priority from 9/10,11/ to 10/11/9/.
11. Fix AMIDIAG floppy speed test fail.
12. Fix wakeup from suspend mode will go into stdby mode.
13. Change Plug & Play default from disable to enable.

Solution:

Implement v1.03 BIOS.

Customer Impact/Recommendations:

The Customer is advised to update to the latest BIOS.

ECO Number: ECR WRM-057A/FRB96WW

Part: Celebris GL Dual Processor Systems

Revision: No revision change

Component: Secondary IDE Cable

Severity: Low

ECO Issue Date: December 11, 1996

Type of Notification: No Customer action required

Change Description: Manufacturing change to delete an unused cable

Problem Description:

These DP variants call for one more IDE cable than is required.

Solution:

Delete unused secondary IDE cable.

Customer Impact/Recommendations:

Customers installing CDROMs will utilize the IDE cable shipped with the CDROM.

ECO Number: 5424570-TA003, 5424574-TA003

Part: P6 Slim Riser Card

Revision:	54-24570-01	B02 - C02
	54-24570-02	A02 - B02
	54-24574-01	C01 - D01
	54-24574-02	C01 - D01

Component: Resistor value change

Severity: Medium, customer may be impacted

ECO Issue Date: December 17, 1996

Type of Notification: Customer Action may be required.

Change Description: Change in resistor value to correct on/off problem when using certain printers whose power remains on regardless of CPU power. This condition is evident with a very small number of printers that have low value pull up resistors on their interface.

Problem Description:

Q1 and Q2 are unstable state whenever +0.8v - +0.9V appear on SWOFF_L and POWERGD_H of Nantucket slim Riser Card.

Symptom:

1. System cannot be powered up by the DC switch if a printer is connected and left powered on.
2. Need second source for 256K X 16 CMOS DRAM 50ns.

Solution:

1. Change resistor values:
from R39 and R40 are 22K ohm.
R65 and R67 are 100K ohm.
to: R39 and R40 are 47K ohm.
R65 and R67 are 22K ohm.
2. Add 2ns source to 21-44145-38, 256kX16 CMOS DRAM 50ns.

Customer Impact/Recommendations:

Customer is advised to update the riser card if power on/off problems due to printer connection are present.

ECO Number: 5424562-TA002

Part: P6 Voltage Regulator Module, for VRE CPU

Revision: 54-24562-01 A01 - B01
54-24562-02 A01 - B01

Component: Capacitor

Severity: Low

ECO Issue Date: December 24, 1996

Type of Notification: No Customer Action Required

Change Description: Add Capacitor

Problem Description:

Reduce switching noise, no symptoms.

Solution:

Add capacitor C23, 3300.0 PFD 100V +/-10% on side 2.
connect C23 pin 1 to R16 pin 1.
connect C23 pin 2 to R16 pin 2.

Customer Impact/Recommendations:

No customer impact.

ECO Number: 5424578-TA007

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 F01 - H01
54-24578-02 E01 - F01

Component: Flash BIOS

Severity: High

ECO Issue Date: January 24, 1997

Type of Notification: Customer is advised to update to the latest BIOS

Change Description: Update BIOS via Flash Utility

Problem Description:

1. Implement the P6 patch code interface.
2. Add SB1 patch code.
3. Change "Plug & Play O/S" from "Yes" to "No".
4. Change "Power Management" from "Enabled" to "Disabled".

Solution:

Implement v1.04 BIOS.

Customer Impact/Recommendations:

The customer is advised to update to the latest BIOS.

ECO Number: 5424560-TA001

Part: LAN Module 100MHZ

Revision: 54-24560-01 A01

Component: N/A

Severity: Low

ECO Issue Date: January 24, 1997

Type of Notification: No Customer Action Required

Change Description: Allow substitution of alternate LAN module

Problem Description:

21-43972-01 (NSC DP83840VCE) will E.O.L.

Solution:

Add note : " 21-43972-01 (NSC DP83840VCE) can be substituted by 21-43972-02 (NSC DP83840AVCE) in KPL.

Customer Impact/Recommendations:

Customers may receive either 100 Mhz Lan Module

ECO Number: 5424052-TA003

Part: P6 voltage regulator module, for VRE CPU

Revision: 54-24052-01 A01 - B01
54-24052-02 A01 - B01

Component: Capacitor

Severity: Low

ECO Issue Date: February 4, 1997

Type of Notification: No Customer Action Required

Change Description: Add capacitor

Problem Description:

Reduce switching noise, no symptoms.

Solution:

Add capacitor C22, 10-38587-20, 3300.0 PFD 100V +/-10% on side 2.
connect C22 pin 1 to R40 pin 1;
connect C22 pin 2 to R40 pin 2.

Customer Impact/Recommendations:

No customer impacts.

ECO Number PCB10-TA007

Part: Celebris GL DP kernel

Revision: PCB10-D1 A02 - A03

Component: Chassis

Severity: Low

ECO Issue Date: February 18, 1997

Type of Notification: No Customer Action is required

Change Description: Change to chassis to eliminate EMI clips

Problem Description:

Remove 6 fingerstocks from Kernel's level.

Solution:

The function of 6 fingerstocks has been replaced by six dimples on the side panel, 74-50757-01.

Customer Impact/Recommendations:

There is no customer impact.

ECO Number: PCB10-TA008

Part: Celebris GL ST Kernel

Revision: PCB10-D1 A03 - A04
 PCB10-A0 A04 - A05

Component: Cable clip

Severity: Low

ECO Issue Date: March 4, 1997

Type of Notification: No Customer Action is required

Change Description: Manufacturing request for component change

Problem Description:

Cable clip is too small to clamp the front audio module cable. Per KAO request, replace it with 12-21249-06 after stock is used up.

Solution:

Delete 12-21249-05
Add 12-21249-06.

Customer Impact/Recommendations:

There is no customer impact.

ECO Number: 5424578-TA008

Part: P6 Single Processor Main Logic Board

Revision: 54-24578-01 H01 - J01
54-24578-02 F01 - H01

Component: Resistor

Severity: Low

ECO Issue Date: March 11, 1997

Type of Notification: No Customer Action is required

Change Description: Addition of a resistor to remain compliant with IC manufacturers data sheet.

Problem Description:

E38 pin 14 input as an open input is not in compliance with manufacturers data sheet. Resistor added to remain compliant with manufacturers data sheet. No problem was encountered with existing circuitry.

Solution:

1. Add a 4.7K ohm resistor(13-40998-65) to pin 14 of E38 at side 1.
2. Add an ECO wire between pin 16 of E38 and the other end of the 4.7K ohm resistor.

Customer Impact/Recommendations:

The customer will receive no benefit by incorporating this change.

ECO Number: 5424570-TA004, 5424574-TA004

Part: LP Riser Card Module

Revision:	54-24570-01	C02 - D02
	54-24570-02	B02 - C02
	54-24574-01	D01 - E01
	54-24574-02	D01 - E01

Component: 21142 PCI to Ethernet/Fast LAN controller

Severity: Low

ECO Issue Date: March 12, 1997

Type of Notification: No customer action required

Change Description: Allow use of alternate module

Problem Description:

21-43915-10, E4 (21142, PCI to Ethernet/Fast Lan Controller) EOL, will replace with 21-44085-11 (21143-PB).

Solution:

1. Delete 21-43915-10 (21142).
Add 21-44085-11 (21143-PB).
2. New drivers should be incorporated with 21-44085-11 (21143-PB):

NDIS3	V4.16
NDIS2	V2.41
Novell Client	V2.51
Novell Server	V2.15
SCO UNIX	V3.32
3. SROM code will not change.

Customer Impact/Recommendations:

Units shipping with new module will have updated drivers. A customer that uses the newer part will likewise require new drivers.

ECO Number: 5424564-TA006

Part: Dual Processor P6 Main Logic Board

Revision:	54-24564-01	D01 - D01
	54-24564-02	E01 - E01
	54-24564-03	A01 - B01

Component: Flash BIOS

Severity: High

ECO Issue Date: March 17, 1997

Type of Notification: Customer is advised to update to the latest BIOS

Change Description: Update BIOS via Flash Utility

Problem Description:

1. Change "Plug & Play O/S" default from "Yes" to "No".
2. Change "Power Management" default from "Enable" to "Disable".
3. Change IRQ priority from 9,10/11 to 10/11,9.
4. Fix CMOS ckecksum error.

Solution:

Implement v1.01 BIOS.

Customer Impact/Recommendations:

The customer is advised to update to the latest BIOS.