

BC84

PN COMPATIBILITY LISTING

PN 63414

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INTRODUCTION

This manual contains two parts:

1. INTRODUCTION - which defines the content of the manual and explains how to use it.
2. Compatibility is defined as follows:

Downward Compatible: A new assembly (usually a higher PN) is a direct replacement (downward compatible) for an old assembly (usually a lower PN) when it does not degrade machine performance. Downward compatibility is indicated when both assemblies have the same compatibility number for a specific application.

Upward Compatible: An old assembly (usually a lower PN) is equivalent to (upward compatible) and may directly replace a new assembly (usually a higher PN) if its use does not affect machine performance. Upward compatibility is indicated when assemblies having the same compatibility number are also indicated as "equivalent" in the "Description of EC" field.

Each page in the compatibility section contains the compatibility information for each FRU. It shows the history of Engineering Changes (ECs) that resulted in part number changes for that FRU. It also shows which part numbers are obsolete and which part numbers can be used to replace them.

For some FRUs, the functional changes that resulted in new part numbers will not function without corresponding machine rework. This usually results in a compatibility number change for the new assembly. The "Description of EC: field will summarize the changes. A Field APL defining the required rework will be listed in a separate column next to the EC number if applicable.

When a common FRU is released or modified for specific use in a new model or feature, the compatibility number will roll to indicate the new part number is not downward compatible for the new feature or models.

If the FRU is downward compatible for other existing models, an explanation will be added to the EC Description field.

If the compatibility number does not change, the new FRU will perform at least the same functions as the older FRU.

COMPATIBILITY AND OBSOLESCENCE

Any part number that is prefixed with an asterisk (*) is an obsolete part number. Obsolete means that the part will no longer be supplied. If an obsolete part is ordered, the field parts crib will substitute a part that is downward compatible or equivalent to the part number ordered.

Downward compatibility is designated by the compatibility number to the right of the part number. A FRU of a given part number is downward compatible with all those lower part number FRUs that have the same compatibility number. This means it can be used to replace any of the lower part numbers having the same compatibility number without requiring rework to another FRU or the machine.

For Example:

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*42150101	1	40020			NONE	IR - W/W BOARD
*42150102	1	40030			NONE	ADD REWORK
42150202	1	40040			8612	IMBED REWORK - EQUIV TO 102
*42150203	2	40050			8619	ADD REWORK. REQUIRED MBD AT LEVEL __.
42150204	2	40060			NONE	ADD REWORK

In the above example:

P/N 42150 101 can replace only itself.

P/N 42150 102 can replace itself or P/N 42150101 (or -202 because it is equivalent).

P/N 42150 202 can replace itself, P/N 42150101 or P/N 42150102.

P/N 42150 203 can replace only itself. (Can not replace lower level cards unless MBD change or other prerequisite is installed).

P/N 42150 204 can replace itself and -203. (Cannot replace lower level cards unless MBD change or other prerequisite is installed).

* The asterisk to the left of a part number indicates that the part is obsolete and is no longer supported by manufacturing. The highest level part for each compatibility level should not carry an asterisk because manufacturing must support field spares until all machines have been brought to the next compatibility level.

CAUTION

Upward compatibility exists only if two FRUs with the same compatibility number are described as "equivalent" in the "Description of EC" field. Any other substitution of a lower part number for a higher part number requires a great deal of caution. Such practice may result in noise problems, timing problems, diagnostic errors, etc. Any attempt to utilize such a lower part number requires ensuring that functional changes or improvements missing from the lower part number will not result in customer system operation degradation. Reference the description of each EC and ensure that no machine wiring changes or companion changes to other FRUs were required at the time the higher part number was originally installed. Usage in this manner is not recommended and should be avoided if possible.

UPDATING THE MANUAL

To update the manual, insert the new pages according to the new list of effective pages. Remove and discard any pages that are replaced by a later EC level, or are shown as deleted from the list of effective pages.

Comments concerning the content of this manual should be directed to Configuration Management at the address below. In case of errors, please give specific page and line references, where appropriate. For a reply, include name and address.

Requests for additional copies of this manual should be directed to the Field Crib via Field Inventory System (FIS) terminals.

This publication was prepared by Storage Technology Corporation, 1 StorageTek Drive, Louisville, Colorado 80028-0001.

FRU NAME 1GB CONTROLLER CANISTER
 PRODUCT NUMBER BC84002
 FRUID NAME CANISTER
 FAMID CODE 488
 DESCRIPTION 4600 4884 CONT.128/1024 MB

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
348-0048374	1	126790	00	00	NONE	I.R. OF CONTROLLER CANISTER WITH FIRMWARE 5.36.XX
348-0048372	1	126790	00	00	NONE	I.R. OF CONTAINS CONTROLLER CANISTER WITH FIRMWARE 5.36.XX. PN 348-0048374 IS THE CONTROLLER CRU ASSY.

FRU NAME CONTROLLER CARD CAGE
 PRODUCT NUMBER BC84002
 FRUID NAME CARD CAGE
 FAMID CODE 488
 DESCRIPTION 1250 CHASSIS WITH MIDPLANE

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
1250-0855	1	126735	00	00	NONE	I.R. OF CONTROLLER CARD CAGE WITH MOTHERBOARD.

FRU NAME CONTROLLER POWER SUPPLY
 PRODUCT NUMBER BC84,B280
 FRUID NAME POWER SUPPLY
 FAMID CODE 488
 DESCRIPTION CM POWER SUPPLY,175W

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
348-0038098	1	126735	00	00	NONE	I.R. OF CONTROLLER POWER SUPPLY.
*348-0049092	1	126858	00	00	NONE	LSI RELEASED A NEW CRU CM POWER SUPPLY AND UPDATED CRU ASSY
15303-00	1	131056	00	00	NONE	MINOR HARDWARE CHANGES ARE INCORPORATED IN THE POWER SUPPLY AND HARNESS FOR A MORE ROBUST DESIGN. THIS IS INTERCHANGEABLE WITH CURRENT POWER SUPPLIES.

FRU NAME CONTROLLER FAN
PRODUCT NUMBER BC84002
FRUID NAME FAN
FAMID CODE 488
DESCRIPTION CM 1200 CONT FAN W/ALARM

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
348-0044068	1	126735	00	00	NONE	I.R. OF CONTROLLER FAN.

FRU NAME CONTROLLER COMM MOD & FAN
 PRODUCT NUMBER BC84002
 FRUID NAME FAN
 FAMID CODE 488
 DESCRIPTION CM 1200 COMM BOARD/FAN CRU

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0043000	1	126735	00	00	NONE	I.R. OF CONTROLLER COMMUNICATION MODULE AND FAN ASSEMBLY.

FRU NAME CONTROLLER BATTERY
 PRODUCT NUMBER BC84002/B280BD2
 FRUID NAME BATTERY
 FAMID CODE 488
 DESCRIPTION CM1250 BATTER CRU

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0045269	1	126735	00	00	NONE	I.R. OF CONTROLLER BATTERY.
*348-0048551	1	126858	00	00	NONE	IMPROVED THE CHARGE ALGORITHM TO TAKE LESS TIME TO GET TO A FULL CHARGE STATE.
348-0050420	1	131032	00	00	NONE	IMPLEMENTED A CHANGE IN THE BATTERY CIRCUIT TO CORRECT A PHENOMENON WHERE CACHING WAS SUSPENDED FOR 13-15 MINUTES EVERY SEVEN DAYS. THERE ARE NOT DATA INTEGRITY ISSUES BUT THE CUSTOMER MAY EXPERIENCE A SLOW DOWN IN PERFORMANCE.

FRU NAME CM1250 SFP MINI HUB
 PRODUCT NUMBER BC84002
 FRUID NAME MINI HUB
 FAMID CODE 488
 DESCRIPTION CM1250 SFP MINI HUB CRU

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0046285	1	126735	00	00	NONE	I.R. OF CM1250 SFP MINI HUB CRU
13499-00	1	131017	00	00	NONE	RELEASE NEW VERSION OF THE VITESSE VSC7147 PORT PASS CONTROL CHIP WHICH PROVIDED IMPROVED SIGNAL QUALITY.

FRU NAME SPF COPPER TRANSCEIVER MODULE
 PRODUCT NUMBER BC84002
 FRUID NAME SPF COPPER TRANSCEIVER MODULE
 FAMID CODE 488
 DESCRIPTION SPF COPPER TRANSCEIVER MODULE

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
10800162	1	126755	00	00	NONE	I.R OF SPF COPPER TRANSCEIVER MODULE

FRU NAME SPF OPTICAL TRANSCEIVER MODULE
 PRODUCT NUMBER BC84002
 FRUID NAME SPF OPTICAL TRANSCEIVER MODULE
 FAMID CODE 488
 DESCRIPTION SPF OPTICAL TRANSCEIVER MODULE

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
10800537	1	126891	00	00	NONE	I.R OF SPF OPTICAL TRANSCEIVER MODULE

FRU NAME CM2100 BLANK I/F MINI HUB
PRODUCT NUMBER BC8 002
FRUID NAME MINI HUB COVER
FAMID CODE 488
DESCRIPTION CM100 BLANK I/F MINI HUB

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
348-0041891	1	126649	0	00	NONE	I.R. OF CM1200 BLANK I/F MINI HUB

FRU NAME HBA QLOGIC QLA2310F, 2Gb
 PRODUCT NUMBER BC84002
 FRUID NAME HBA QLOGIC QLA2310F, 2Gb
 FAMID CODE 488
 DESCRIPTION HBA QLOGIC QLA2310F, 2Gb,SINGLE PORT

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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QLA2310F	1	126683	00	00	NONE	HBA APPROVED FOR NT, W2K & SUN PCI
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FRU NAME HBA LSI 44929, 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA LSI 44929. 2Gb
FAMID CODE 488
DESCRIPTION HBA LSI 44929, 2Gb, DUAL PORT

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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348-0045858	1	126649	00	00	NONE	HBA APPROVED FOR NT, W2K & SUN PCI.
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FRU NAME HBA JNI FCE1473N, 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA JNI FCE1473N, 2Gb
FAMID CODE 488
DESCRIPTION HBA JNI FCE1473N, 2Gb,SINGLE PORT

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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*FCE1473N	1	Y9148	00	00	NONE	HBA APPROVED FOR SUN SBUS
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FRU NAME HBA JNI FCE6460N, 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA JNI FCE6460N, 2Gb
FAMID CODE 488
DESCRIPTION HBA JNI FCE6460N, 2Gb

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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*FCE6410N	1	126691	00	00	NONE	HBA APPROVED FOR NT, W2K & SUN PCI
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FRU NAME HBA CAMBEX 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA CAMBEX 2Gb
FAMID CODE 488
DESCRIPTION HBA CAMBEX 2Gb

PART	COMP	SOFT HEX			FIELD	DESCRIPTION OF EC
NUMBER	NO	EC NO	REF	FEAT BILL		

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PLATFORMS

FRU NAME HBA EMULEX LP9002L-F2 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA EMULEX LP9002L-F2 2Gb
FAMID CODE 488
DESCRIPTION HBA EMULEX LP9002L-F2 2Gb

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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*LP9002L-F2	1	126683	00	00	NONE	HBA APPROVED FOR NT & W2K
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FRU NAME HBA QLOGIC QLA2342, 2Gb
 PRODUCT NUMBER D178002
 FRUID NAME HBA QLOGIC QLA2342, 2Gb
 FAMID CODE 488
 DESCRIPTION HBA QLOGIC QLA2342, 2Gb.DUAL PORT

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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QLA2342	1	126753	00	00	NONE	HBA APPROVED FOR NT, W2K & SUN PCI
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FRU NAME HBA LSI 44919, 2Gb
PRODUCT NUMBER BC84002
FRUID NAME HBA LSI 44919. 2Gb
FAMID CODE 488
DESCRIPTION HBA LSI 44919, 2Gb, SINGLE PORT

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
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5-00001-01	1	126649	00	00	NONE	HBA APPROVED FOR NT, W2K & SUN PCI.
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FRU NAME BC84 FIRMWARE
 PRODUCT NUMBER BC84002
 FRUID NAME BC84 FIRMWARE
 FAMID CODE 488 6/03
 DESCRIPTION BC84 FIRMWARE, 5.36.0X.XX

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*314098201	1	126845	00	00	102771	UPDATE CONTROLLER WITH FIRMWARE 5.36.01.00 AND NVRAM N4884-536855-002
314098202	1	126871	00	00	102777	UPDATE CONTROLLER WITH FIRMWARE 5.36.03.00. MISCELLANEOUS FIXES. THIS FIRMWARE IS A PREREQUISITE TO THE SNAPSHOT AND REMOTE MIRRORING. F/B RELEASED EXCEPTIONAL..
314098202	1	126930	00	00	102777	THIS LEVEL OF FW SUPPORTS THE B150 ARRAY.

FRU NAME BC84 FIRMWARE
 PRODUCT NUMBER BC84002
 FRUID NAME BC84 FIRMWARE
 FAMID CODE 488 05/05
 DESCRIPTION BC84 FIRMWARE, 5.46.0X.XX

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*314610001	1	126930	00	00	102837	UPDATE CONTROLLER WITH FIRMWARE 5.46.02.00 AND NVRAM N4884-546855-002. INCLUDES REDUCED BLADE RECONSTRUCT TIME AND FIX FOR DACSTORE SCRUB. THIS LEVEL OF FW WILL SUPPORT THE B150 AND THE B250 ARRAY.
*314610002	1	126971	00	00	*103307	RELEASE FIRMWARE LEVEL 5.46.07.00.
* 314610003	1	131016	00	00	103413	RELEASE FIRMWARE LEVEL 5.46.08.00.
314610004	1	131116	00	00	103498	RELEASE FIRMWARE LEVEL 5.46.10.00.