D220/D240 (FLX240)

PN COMPATIBILITY LISTING

PN 63426

Information contained in this publication is subject to change. In the event of changes, the publication will be revised. Comments concerning its contents should be directed to:

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Total number of pages in this volume is 19, consisting of the following pages:

		PAGE NO.	PAGE LEVEL	EC DATE
TITLE				
COVER				
LIST OF EFFECTIVE PAGES		III	131229	09/05
		IV		
INTRODUCTION		V		
SFP	SFP OPTICAL TRANCEIVER MODULE	2-1	131041	09/04
BATTERY	D240 (2882)CONTROLLER BATTERY	2-2	126875	05/03
CONTROLLER	2882 CONTROLLER (D220,256MB)	2-3	131031	08/04
CONTROLLER	2882 CONTROLLER (D240,1GB)	2-4	131031	08/04
CONTROLLER	2880 CONTROLLER (FLX240,1GB) NOUP	2-5	131027	08/04
DRIVES	36GB 15K FC DRIVE 1.0"	4-1	131186	07/05
DRIVES	73GB 10K FC DRIVE 1.0"	4-2	131229	09/05
FAN	FAN MODULE ASSEMBLY	4-3	126735	08/02
CHASSIS	CHASS1S W/MIDPLANE,D200 014	4-4	126735	08/02
PS	POWER SUPPLY,400W	4-5	126879	06/03
DRIVES	146GB 10K FC DRIVE 1.0"	4-6	131186	07/05
DRIVES	73GB 15K FC DRIVE 1.0"	4-7	131223	09/05
DRIVES	300GB 10K FC DRIVE 1.0"	4-8	131062	02/05
DRIVES	146GB 15K FC DRIVE 1.0"	4-9	131062	02/05

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   SPF OPTICAL TRANSCEIVER MODULE
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   MINI HUB
FAMID CODE   488
DESCRIPTION   SPF OPTICAL TRANSCEIVER MODULE

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
006-1086704	1	126649	00	00	NONE	I.R OF SPF OPTICAL TRANCEIVER MODULE. ORDERABLE CRU ASSEMBLY 348-0045745.

FRU NAME   D220 CONTROLLER BATTERY
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   BATTERY
FAMID CODE   486
DESCRIPTION   D220 (2882) CONTROLLER BATTERY

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
006-1086769	*1*	*126850*	*00*	*00*	*NONE*	*I.R. OF D220 (2882) CONTROLLER BATTERY.ORDERABLE CRU ASSEMBLY 348-0048986.*

FRU NAME   2882 CONTROLLER (256MB)
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   2882 CONTROLLER (256MB)
FAMID CODE   486
DESCRIPTION   2882 CONTROLLER (256MB)

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0048985	1	126665	00	00	NONE	I.R. OF D220 CONTROLLER MODULE CRU (256MB). ORDERABLE CRU ASSEMBLY 348-0048975.
*348-0050110	1	126997	00	00	NONE	UPDATE CONTROLLER WITH 5.33.XX FIRMWARE. ORDERABLE CRU ASSEMBLY 348-0048975.
*348-0050296	1	126997	00	00	NONE	UPDATE CONTROLLER WITH 5.34.XX FIRMWARE. ORDERABLE CRU ASSEMBLY 348-0048975.
348-0050297	1	126997	00	00	NONE	UPDATE CONTROLLER WITH 5.34.XX FIRMWARE. ORDERABLE CRU ASSEMBLY 348-0048975.

FRU NAME   2882 CONTROLLER (1GB)
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   2882 CONTROLLER (1GB)
FAMID CODE   486
DESCRIPTION   2882 CONTROLLER (1GB)

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0049711	1	126907	00	00	NONE	I.R. OF D240 CONTROLLER MODULE CRU (1GB). ORDERABLE CRU ASSEMBLY 348-0049649.
*348-0050113	1	126997	00	00	NONE	UPDATED CONTROLLER 5.40.XX FIRMWARE. ORDERABLE CRU ASSEMBLY 348-0049649.
348-0050242	1	126997	00	00	NONE	UPDATED CONTROLLER 5.40.XX FIRMWARE. ORDERABLE CRU ASSEMBLY 348-0049649.

FRU NAME   2880 CONTROLLER (1GB)
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   2880 CONTROLLER (1GB)
FAMID CODE   486
DESCRIPTION   2880 CONTROLLER (1GB) NO CAPACITY EXPANSION

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
14477-00	*1*	*131027*	*00*	*00*	*NONE*	*I.R. OF FLX240 2880 CONTROLLER WITH NO CAPACITY EXPANSION. ORDERABLE CRU ASSEMBLY 14547-00.*

FRU NAME   36GB 15K FC DRIVE 1.0"
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   36GB 15K FC DRIVE 1.0"
FAMID CODE   486
DESCRIPTION   EC 131189

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0046626	1	126651	00	00	NONE	I.R.OF 36GB 15K DRIVE MODULE ASSEMBLY, 14 SLOT
*348-0047456	1	126735	00	00	NONE	I.R.OF 36GB 15K DRIVE MODULE ASSEMBLY, 2GB, 14 SLOT
*348-0048441	1	126791	00	00	NONE	THIS PART NUMBER REFLECTS NEW DRIVE CODE LEVEL MS09/BD03
*348-0048441		126814	00	00	NONE	36GB 10K-2, DRIVE CODE LEVEL MS14/BD03. ADD DACSTORE LABEL
*348-0047547	1	126791	00	00	NONE	I.R. OF 36GB 15-3K DRIVE MODULE, CODE LEVEL MS03/C849
*348-0048740	1	126814	00	00	NONE	GA LEVEL, 36GB 15-3K DRIVE MODULE, CODE LEVEL MS03/C849. ADDED DACSTORE LABEL
*348-0049261	1	126879	00	00	NONE	UPDATED DRIVE CODE LEVEL TO MS04/C849. ORDERABLE CRU ASSEMBLY 348-0048819.
16194-00	*1*	*131186*	*00*	*00*	*NONE*	*UPDATED DRIVE CODE LEVEL TO MS07/C849. SPARE STATUS. ORDERABLE CRU ASSEMBLY 348-0048819.*
16010-00	*1*	*131062*	*00*	*00*	*NONE*	*I.R. OF 36GB 15-4K DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16011-00.*

FRU NAME   73GB 10K FC DRIVE 1.0"
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   73GB 10K FC DRIVE 1.0"
FAMID CODE   486
DESCRIPTION   EC 131189

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0046624	1	126651	00	00	NONE	I.R.OF 73GB 10K DRIVE MODULE ASSEMBLY,14 SLOT
*348-0047454	1	126735	00	00	NONE	I.R.OF 73GB 10K DRIVE MODULE ASSEMBLY, 2GB, 14 SLOT. ORDERABLE CRU ASSEMBLY 348-0048798.
*348-0048308	1	126818	00	00	NONE	I.R.OF 73GB 10K-6 DRIVE MODULE, 2GB, 14 SLOT
*348-0048806	1	126814	00	00	NONE	DRIVE CODE UPDATE TO MS05/C907. ALSO ADDS DACSTORE LABEL. ORDERABLE CRU ASSEMBLY 348-0048807.
*348-0049243	1	126879	00	00	NONE	UPDATED DRIVE CODE LEVEL TO MS06/C907. ORDERABLE CRU ASSEMBLY 348-0050126.
*348-0049243	1	126886	00	00	NONE	INCORPORATING THE DRIVE SPINDLE AND GREASE FIX WITH THE CODE UPDATE. ORDERABLE CRU ASSEMBLY 348-0050126.
16131-00	1	131186	00	00	NONE	UPDATED DRIVE CODE LEVEL TO MS11/C907. ORDERABLE CRU ASSEMBLY 348-0050126.
16055-00	1	131062	00	00	NONE	I.R. OF 73GB 10K HITACHI DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16056-00.
16055-00	*1*	*131229*	*00*	*00*	*NONE*	*SPARE STATUS. CODE LEVEL MS03.*
19343-00	*1*	*131229*	*00*	*00*	*NONE*	*I.R. OF 73GB 10K RoHS COMPLIANT DRIVES. CODE LEVEL MS04 ORDERABLE CRU ASSEMBLY 19430-00.*

FRU NAME   FAN ASSEMBLY
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   FAN
FAMID CODE   486
DESCRIPTION   FAN CRU, HIGH OUTPUT,DM

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
348-0044349	1	126651	00	00	NONE	I.R.OF FAN MODULE ASSEMBLY. ORDERABLE CRU ASSEMBLY 348-0042221.

FRU NAME   CHASSIS W/MIDPLANE,D200
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   CHASSIS W/MIDPLANE
FAMID CODE   486
DESCRIPTION   SPARE-2600 CHASSIS W/MIDPLANE

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
2600-0855	**1**	**126735**	**00**	**00**	**NONE**	**I.R. OF CHASSIS WITH MIDPLANE FOR D200 014. ORDERABLE CRU ASSEMBLY 348-0047600.**

FRU NAME   POWER SUPPLY,400W
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   POWER SUPPLY,400W
FAMID CODE   486
DESCRIPTION   400W POWER SUPPLY,DM

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0044802	1	126735	00	00	NONE	I.R. OF 400W POWER SUPPLY,DM. ORDERABLE CRU ASSEMBLY 348-0047167.
*348-0047897	1	126762	00	00	NONE	DESIGN CHANGE ON THE 400W ASTEC POWER SUPPLY TO IMPROVE VOLTAGE SUPPRESSION. ORDERABLE CRU ASSEMBLY 348-0047167.
*348-0048054	1	126858	00	00	NONE	LSI RELEASED A NEW 400W POWER SUPPLY, DM AND UPDATED CRU ASSEMBLY. ORDERABLE CRU ASSEMBLY 348-0047167.
348-0049311	*1*	*126879*	*00*	*00*	*NONE*	*ADDED CCC LABEL PER CHINA REQUIREMENTS. UPDATE ORDERABLE CRU ASSEMBLY 348-0047167*

FRU NAME   146GB 10K FC DRIVE 1.0"
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   146GB 10K FC DRIVE 1.0"
FAMID CODE   486
DESCRIPTION   EC 131189

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0047545	1	126761	00	00	NONE	I.R. OF 146GB 10K 2GB DRIVE MODULE ASSEMBLY, 14 SLOT. CODE LEVEL MS04/B907. ORDERABLE CRU ASSEMBLY 348-0047544.
*348-0048814	1	126814	00	00	NONE	UPDATE DRIVE CODE TO MS05/B907. ADDED DACSTORE LABEL. ORDERABLE CRU ASSEMBLY 348-0048815.
*348-0049249	1	126879	00	00	NONE	UPDATED DRIVE CODE TO MS06/B907. ORDERABLE CRU ASSEMBLY 348-0050130.
*348-0049249	1	126886	00	00	NONE	INCORPORATING THE DRIVE SPINDLE AND GREASE FIX WITH THE CODE UPDATE
16140-00	*1*	*131186*	*00*	*00*	*NONE*	*UPDATED DRIVE CODE TO MS11/B907. SPARE STATUS. ORDERABLE CRU ASSEMBLY 348-0050130.*
16058-00	*1*	*131062*	*00*	*00*	*NONE*	*I.R. OF 146GB 10K HITACHI DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16059-00.*

FRU NAME   73GB 15K FC DRIVE 1.0"
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   73GB 15K FC DRIVE 1.0"
FAMID CODE   486
DESCRIPTION   EC 131189

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
*348-0047549	1	126791	00	00	NONE	I.R.OF 73GB 15-3K DRIVE MODULE, 2GB, CODE LEVEL MS03/B849,14 SLOT. ORDERABLE CRU ASSEMBLY 348-0047548.
*348-0048749	1	126814	00	00	NONE	GA LEVEL, 73GB 15-3K DRIVE MODULE, CODE LEVEL MS03/B849. ADDED DACSTORE LABEL. ORDERABLE CRU ASSEMBLY 348-0048821.
*348-0049268	1	126879	00	00	NONE	UPDATED DRIVE CODE TO MS04/B849. ORDERABLE CRU ASSEMBLY 348-0048821.
16184-00	1	131186	00	00	NONE	UPDATED DRIVE CODE TO MS04/B849. SPARE STATUS. ORDERABLE CRU ASSEMBLY 348-0048821.
16013-00	1	131062	00	00	NONE	I.R. OF 73GB 15-4K DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16014-00.
19432-00	*1*	*131223*	*00*	*00*	*NONE*	*I.R. OF 73GB 15-4 RoHS COMPLIANT DRIVE MODULE WITH MS09/CB27 CODE. ORDERABLE CRU ASSY 19433-00.*

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FRU NAME            300GB 10K FC DRIVE 1.0"
PRODUCT NUMBER      D220DR4, DD4/D240DR4,DD4
FRUID NAME          300GB 10K FC DRIVE 1.0"
FAMID CODE          486
DESCRIPTION         300GB 10K FC DRIVE 1.0"
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PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
16061-00	*1*	*131062*	*00*	*00*	*NONE*	*I.R. OF 300GB 10K FC DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16062-00.*

FRU NAME   146GB 15K FC DRIVE 1.0"
PRODUCT NUMBER   D220DR4, DD4/D240DR4,DD4
FRUID NAME   146GB 15K FC DRIVE 1.0"
FAMID CODE   486
DESCRIPTION   146GB 15K FC DRIVE 1.0"

PART NUMBER	COMP NO	EC NO	SOFT REF	HEX FEAT	FIELD BILL	DESCRIPTION OF EC
16016-00	1	131062	00	00	NONE	I.R. OF 146GB 15K FC DRIVE MODULE. MUST HAVE SANtricity 8.2 OR HIGHER. ORDERABLE CRU ASSEMBLY 16017-00.