

IBM Z

*8561 Parts Catalog*



**Note:**

Before you use this information and the product it supports, read the information in “[Safety](#)” on page v, Appendix A, “[Notices](#),” on page 51, and *IBM Systems Environmental Notices and User Guide*, Z125-5823.

This edition, GC28-7003-00, applies to IBM z15 and IBM LinuxONE III.

There may be a newer version of this document in a **PDF** file available on **Resource Link**. Go to <http://www.ibm.com/servers/resourcelink> and click **Library** on the navigation bar.

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# Safety

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## Safety notices

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Safety notices may be printed throughout this guide. **DANGER** notices warn you of conditions or procedures that can result in death or severe personal injury. **CAUTION** notices warn you of conditions or procedures that can cause personal injury that is neither lethal nor extremely hazardous. **Attention** notices warn you of conditions or procedures that can cause damage to machines, equipment, or programs.

The following **DANGER** notices appear in this installation manual:

**DANGER:** To prevent a possible shock from touching two surfaces with different protective ground (earth), use one hand, when possible, to connect or disconnect signal cables. (D001)

**DANGER:** If the receptacle has a metal shell, do not touch the shell until you have completed the voltage and grounding checks. Improper wiring or grounding could place dangerous voltage on the metal shell. If any of the conditions are not as described, *STOP*. Ensure the improper voltage or impedance conditions are corrected before proceeding. (D003)

**DANGER:** An electrical outlet that is not correctly wired could place hazardous voltage on the metal parts of the system or the devices that attach to the system. It is the responsibility of the customer to ensure that the outlet is correctly wired and grounded to prevent an electrical shock. (D004)

**DANGER:** Heavy equipment — personal injury or equipment damage might result if mishandled. (D006)

**DANGER:** When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous. To avoid a shock hazard:

- If IBM supplied a power cord(s), connect power to this unit only with the IBM provided power cord. Do not use the IBM provided power cord for any other product.
- Do not open or service any power supply assembly.
- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords.
- Connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate.
- Connect any equipment that will be attached to this product to properly wired outlets.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Do not attempt to switch on power to the machine until all possible unsafe conditions are corrected.
- Assume that an electrical safety hazard is present. Perform all continuity, grounding, and power checks specified during the subsystem installation procedures to ensure that the machine meets safety requirements.
- Do not continue with the inspection if any unsafe conditions are present.
- Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.
- Connect and disconnect cables as described in the following procedures when installing, moving, or opening covers on this product or attached devices.

To disconnect:

1. Turn off everything (unless instructed otherwise).
2. Remove the power cords from the outlets.
3. Remove the signal cables from the connectors.
4. Remove all cables from the devices.

To connect:

1. Turn off everything (unless instructed otherwise).
  2. Attach all cables to the devices.
  3. Attach the signal cables to the connectors.
  4. Attach the power cords to the outlets.
  5. Turn on the devices.
- Sharp edges, corners and joints may be present in and around the system. Use care when handling equipment to avoid cuts, scrapes and pinching. (D005)

The following **CAUTION** notices appear in this installation manual:

**CAUTION:** Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

**CAUTION:** This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)

**CAUTION:** The doors and covers to the product are to be closed at all times except for service by trained service personnel. All covers must be replaced and doors locked at the conclusion of the service operation. (C013)

**CAUTION:** Ensure the building power circuit breakers are turned off BEFORE you connect the power cord or cords to the building power. (C023)

**CAUTION:** The battery contains lithium. To avoid possible explosion, do not burn or charge the battery.

**Do not:** Throw or immerse into water, heat to more than 100°C (212°F), repair or disassemble. (C003)

## World trade safety information

Several countries require the safety information contained in product publications to be presented in their translation. If this requirement applies to your country, a safety information booklet is included in the publications package shipped with the product. The booklet contains the translated safety information with references to the US English source. Before using a US English publication to install, operate, or service this product, you must first become familiar with the related safety information in the *Systems Safety Notices*, G229-9054. You should also refer to the booklet any time you do not clearly understand any safety information in the US English publications.

## Laser safety information

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All IBM Z® (Z) and IBM LinuxONE™ (LinuxONE) models can use I/O cards such as FICON®, Open Systems Adapter (OSA), RoCE Express, Integrated Coupling Adapter (ICA SR), zHyperLink Express, or other I/O features which are fiber optic based and utilize lasers (short wavelength or long wavelength lasers).

## Laser compliance

All lasers are certified in the US to conform to the requirements of DHHS 21 CFR Subchapter J for Class 1 or Class 1M laser products. Outside the US, they are certified to be in compliance with IEC 60825 as a Class 1 or Class 1M laser product. Consult the label on each part for laser certification numbers and approval information.

**Laser Notice:** U.S. FDA CDRH NOTICE if low power lasers are utilized, integrated, or offered with end product systems as applicable. Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

**CAUTION:** Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

**CAUTION:** This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)



## About this publication

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This Parts Catalog contains listings and illustrations of replaceable assemblies and detailed parts of the 8561.

IBM® has prepared this manual for the use of IBM customer service representatives in the installation, maintenance, and repair of the specific machines indicated. IBM makes no representations that it is suitable for any other purpose.

Unless otherwise stated, throughout this document "8561" refers to the IBM z15™ or IBM LinuxONE III™.

## How to send your comments

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Your feedback is important in helping to provide the most accurate and high-quality information. Send your comments by using Resource Link® at <http://www.ibm.com/servers/resourcelink>. Click **Feedback** on the navigation bar on the left. You can also send an email to [reslink@us.ibm.com](mailto:reslink@us.ibm.com). Be sure to include the name of the book, the form number of the book, the version of the book, if applicable, and the specific location of the text you are commenting on (for example, a page number, table number, or a heading).

## Accessibility

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Accessible publications for this product are offered in EPUB format and can be downloaded from Resource Link at <http://www.ibm.com/servers/resourcelink>.

If you experience any difficulty with the accessibility of any IBM Z® and IBM LinuxONE information, go to Resource Link at <http://www.ibm.com/servers/resourcelink> and click **Feedback** from the navigation bar on the left. In the **Comments** input area, state your question or comment, the publication title and number, choose **General comment** as the category and click **Submit**. You can also send an email to [reslink@us.ibm.com](mailto:reslink@us.ibm.com) providing the same information.

When you send information to IBM, you grant IBM a nonexclusive right to use or distribute the information in any way it believes appropriate without incurring any obligation to you.

### Accessibility features

The following list includes the major accessibility features in IBM Z and IBM LinuxONE documentation, and on the Hardware Management Console and Support Element console:

- Keyboard-only operation
- Interfaces that are commonly used by screen readers
- Customizable display attributes such as color, contrast, and font size
- Communication of information independent of color
- Interfaces commonly used by screen magnifiers
- Interfaces that are free of flashing lights that could induce seizures due to photo-sensitivity.

### Keyboard navigation

This product uses standard Microsoft Windows navigation keys.

### Consult assistive technologies

Assistive technology products such as screen readers function with our publications, the Hardware Management Console, and the Support Element console. Consult the product information for the specific assistive technology product that is used to access the EPUB format publication or console.

## **IBM and accessibility**

See <http://www.ibm.com/able> for more information about the commitment that IBM® has to accessibility.

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## Chapter 1. FRU list

Use the following procedure to determine the part numbers of the FRUs within a CPC or CPC drawer.

1. Ensure that you are logged on the Support Element in service mode.

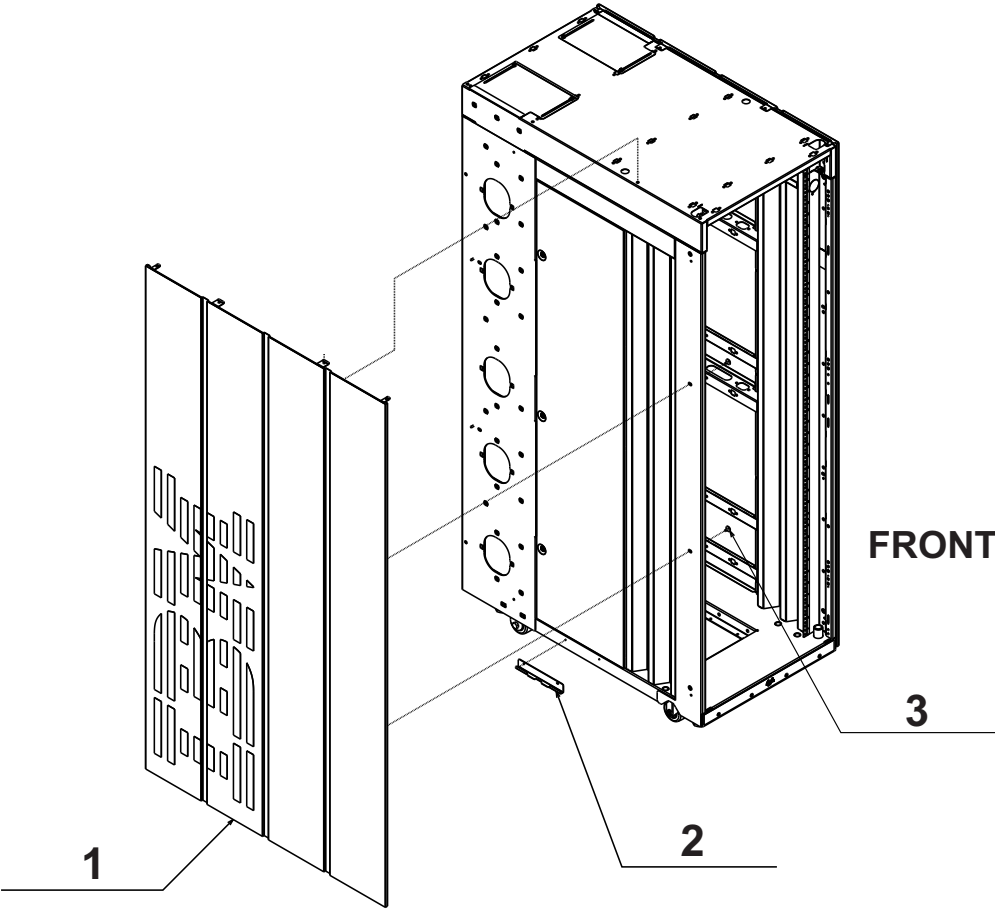
On the Support Element workplace window:

- a. Click **Tasks Index** on the left-hand navigation pane.
  - b. From the tasks index, click **View Hardware Configuration**.
2. On the **View Hardware Configuration** window:
    - a. Select the part location from the menu.
    - b. Select **Details**.
  3. The Part Details window shows information about the selected part. When complete:
    - a. Click **OK**.
    - b. On the **View Hardware Configuration** window, click **Cancel**.



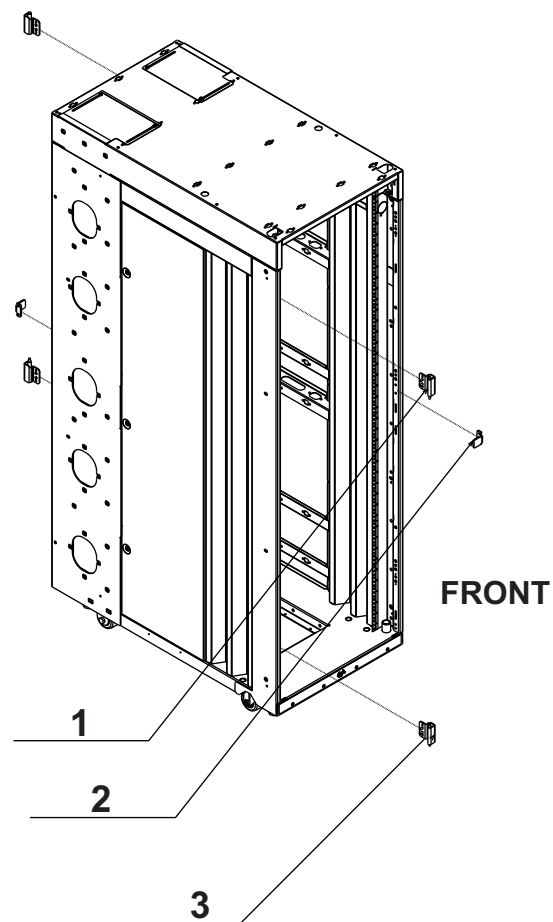
# Chapter 2. Catalog section

## Assembly 1: A, Z, B or C frame assembly, side covers, mounting hardware



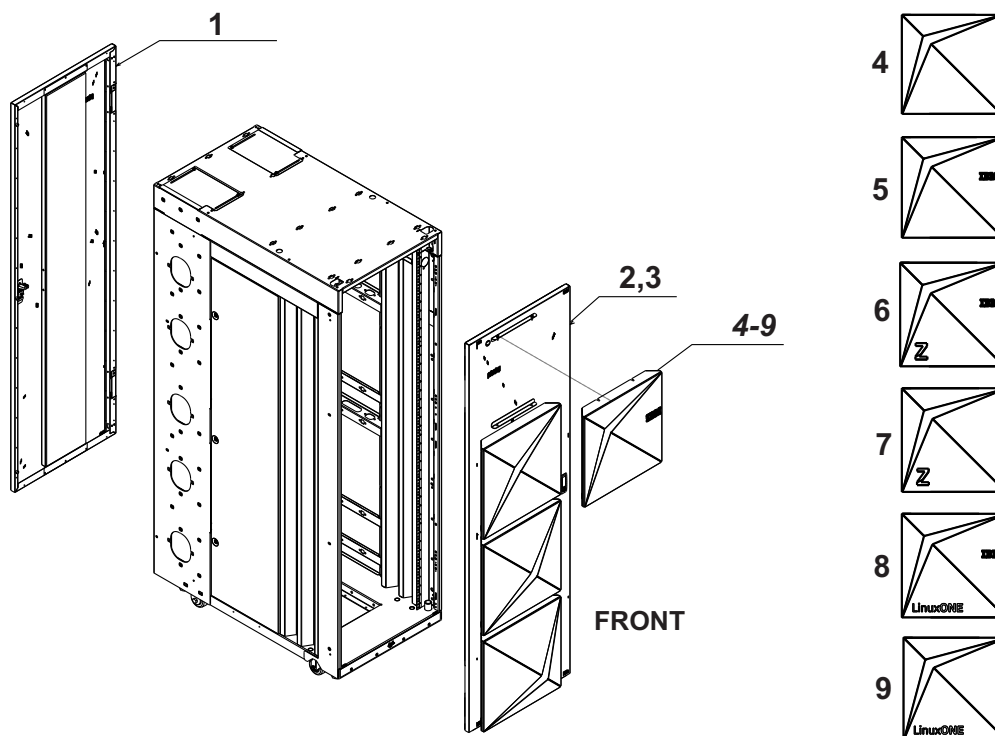
| Index | Part Number | Units       | Description                          |
|-------|-------------|-------------|--------------------------------------|
| 1     | 01EL900     | 2 per frame | Side cover<br>Use 46K4284, (4) screw |
| 2     | 42V2119     | 2 per frame | J-Bracket<br>Use 46K4284, (2) screw  |
| 3     | 01KV618     | 4 per frame | Screw with washer                    |

**Assembly 2: A, Z, B or C frame assembly, hinges, door latch**



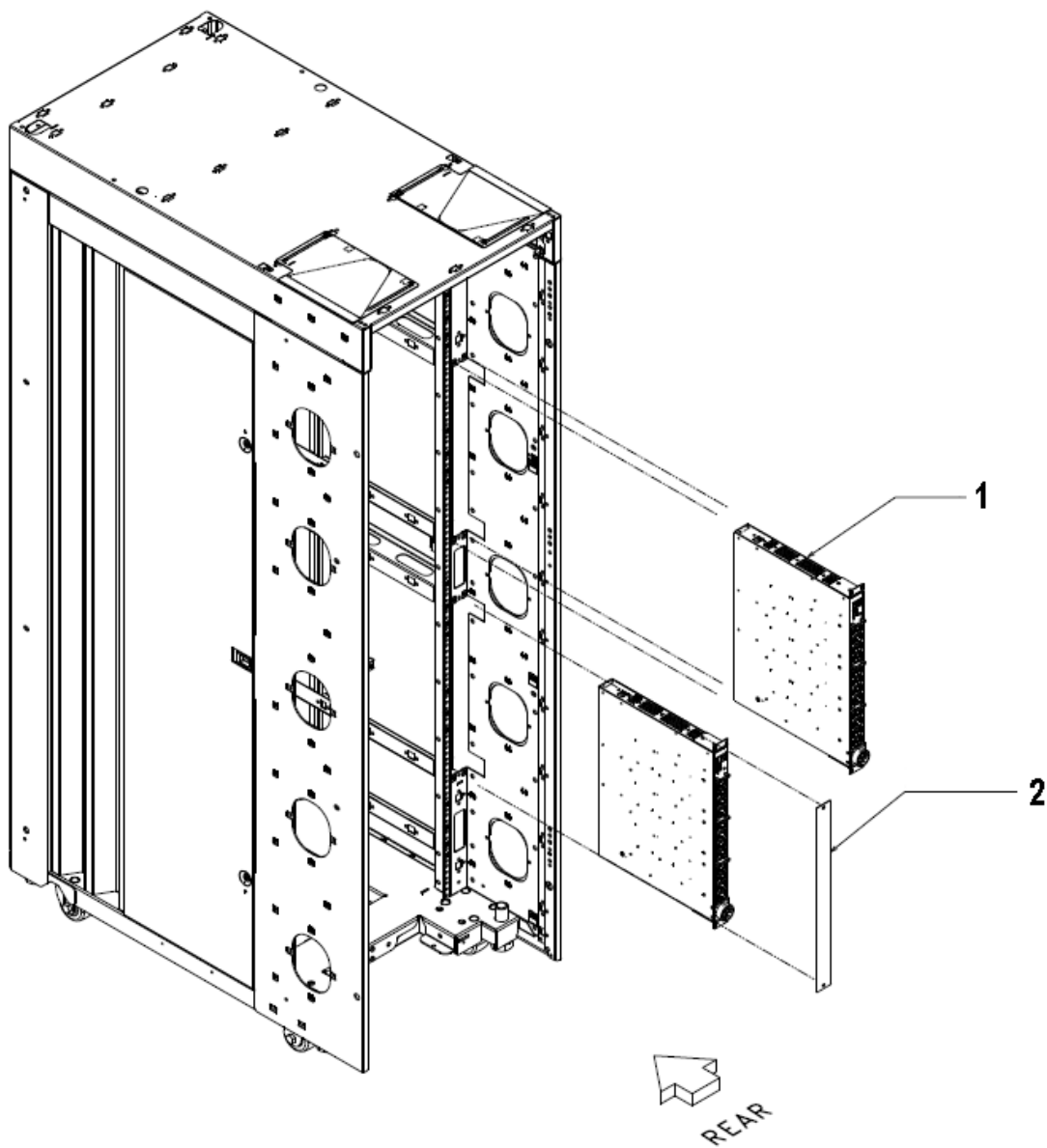
| Index | Part Number | Units       | Description                            |
|-------|-------------|-------------|----------------------------------------|
| 1     | 01KU112     | 2 per frame | Hinge, upper<br>Use 46K4284, (2) screw |
| 2     | 02WN792     | 2 per frame | Door latch<br>Use 46K4284, (2) screw   |
| 3     | 01KU111     | 2 per frame | Hinge, lower<br>Use 46K4284, (2) screw |

## Assembly 3: A, Z, B or C frame, front and rear covers



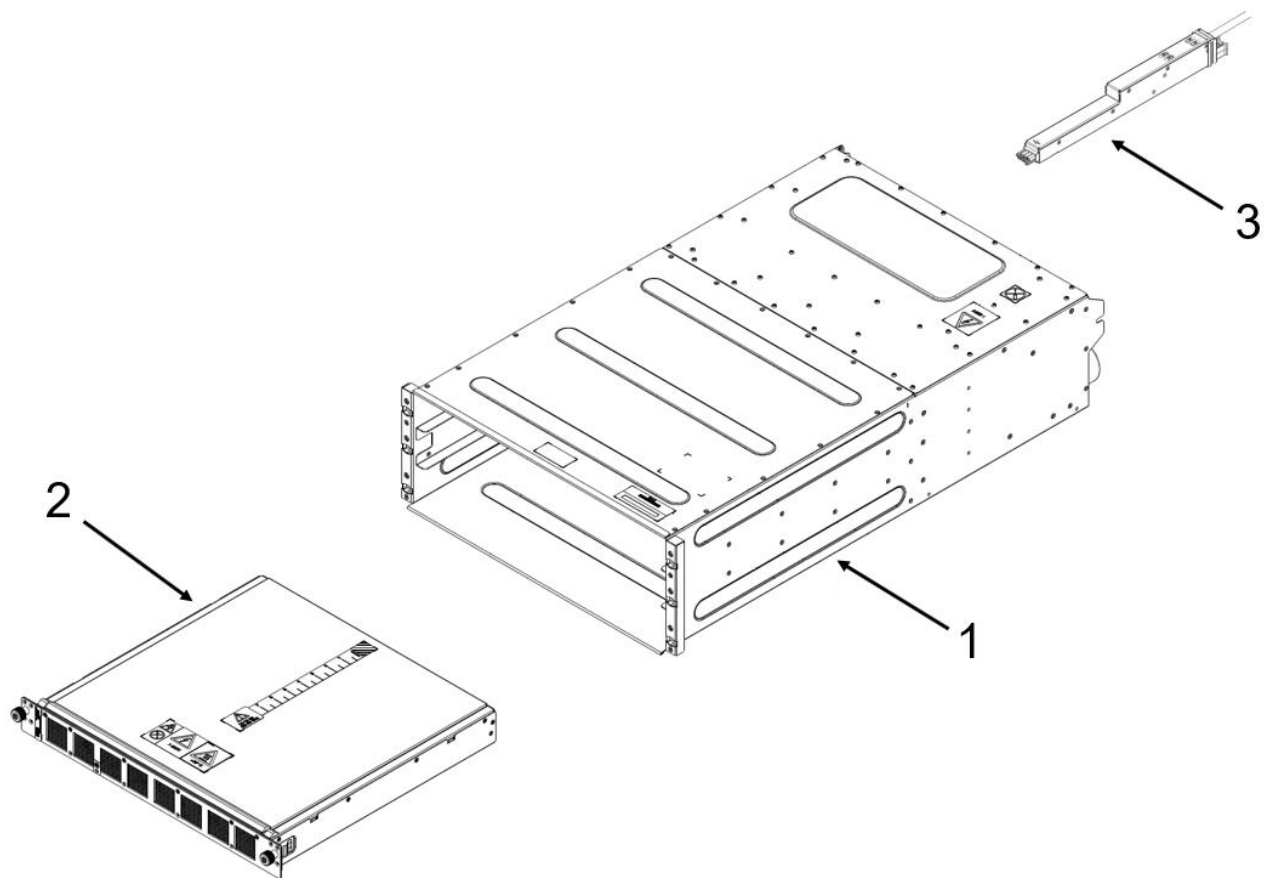
| Index | Part Number                         | Units | Description                                 |
|-------|-------------------------------------|-------|---------------------------------------------|
| 1     | 01PP001                             | 1     | Cover Assembly, rear                        |
| 2     | 02ED326                             | 1     | Cover assembly, front (IBM - Blue)          |
| 3     | 02ED327                             | 1     | Cover assembly, front (LinuxONE - Orange)   |
| 4     | 02ED330 - z15<br>02ED331 - LinuxONE | 1     | Top square panel, front - No Logo           |
| 5     | 02ED328 - z15<br>02ED329 - LinuxONE | 1     | Top square panel, front - IBM Logo          |
| 6     | 02ED332                             | 1     | Top square panel, front - IBM Z Logo        |
| 7     | 02ED333                             | 1     | Top square panel, front - Z Logo            |
| 8     | 02ED352                             | 1     | Top square panel, front - IBM LinuxONE Logo |
| 9     | 02ED353                             | 1     | Top square panel, front - LinuxONE Logo     |

# Assembly 4: Power Distribution Units (PDUs)



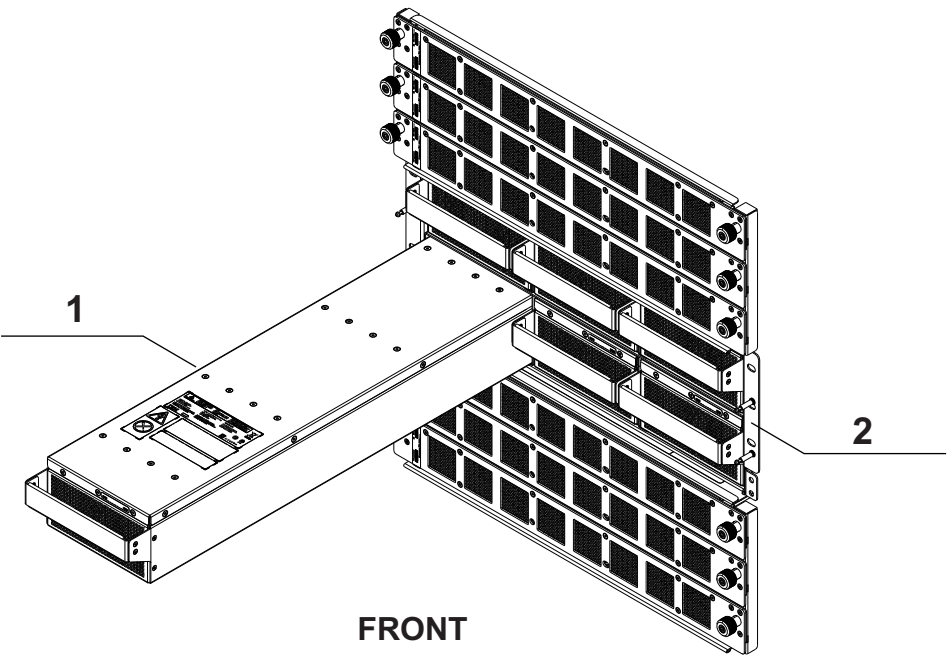
| Index | Part Number                                                | Units        | Description                                                                          |
|-------|------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| 1     | 02FJ750 (3-phase Y/WW)<br>or<br>02FJ751 (3-phase delta/NA) | 2, 4, 6 or 8 | Smart PDU<br>Use 51J2558 (4) nut clip<br>Use 46K4284 (4) screw                       |
| 2     | 02CX110                                                    | AR           | Filler Plate, PDU "as required"<br>Use 51J2558 (4) nut clip<br>Use 46K4284 (4) screw |

# Assembly 5: Bulk power assembly



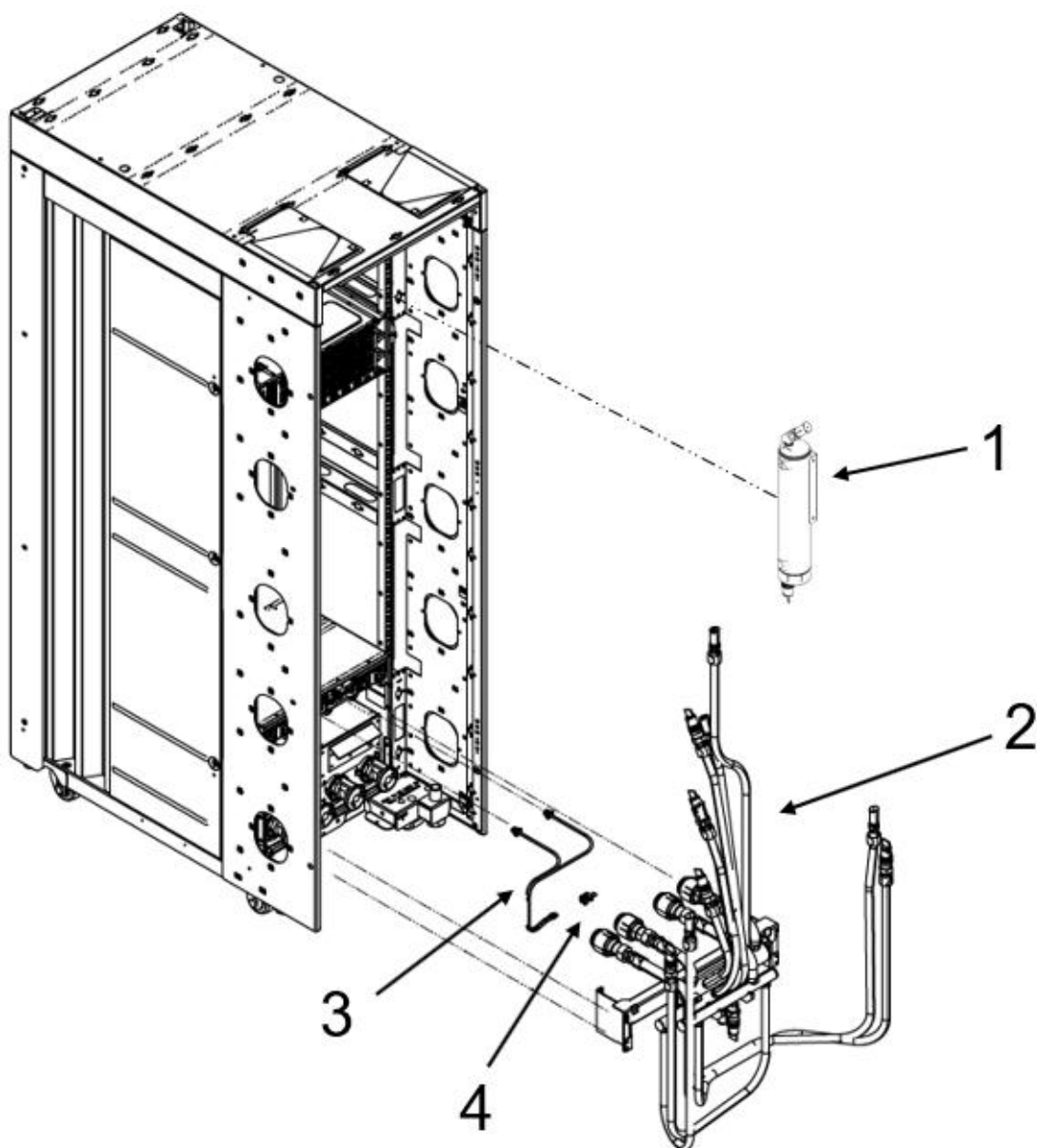
| Index | Part Number | Units | Description                |
|-------|-------------|-------|----------------------------|
| 1     | 02WN650     | 1     | Bulk Power Enclosure (BPE) |
| 2     | 02WN968     | 1 - 3 | Bulk Power Regulator (BPR) |
| 3     | 03FM455     | AR    | IBF Power Cable            |

# Assembly 6: IBF assembly



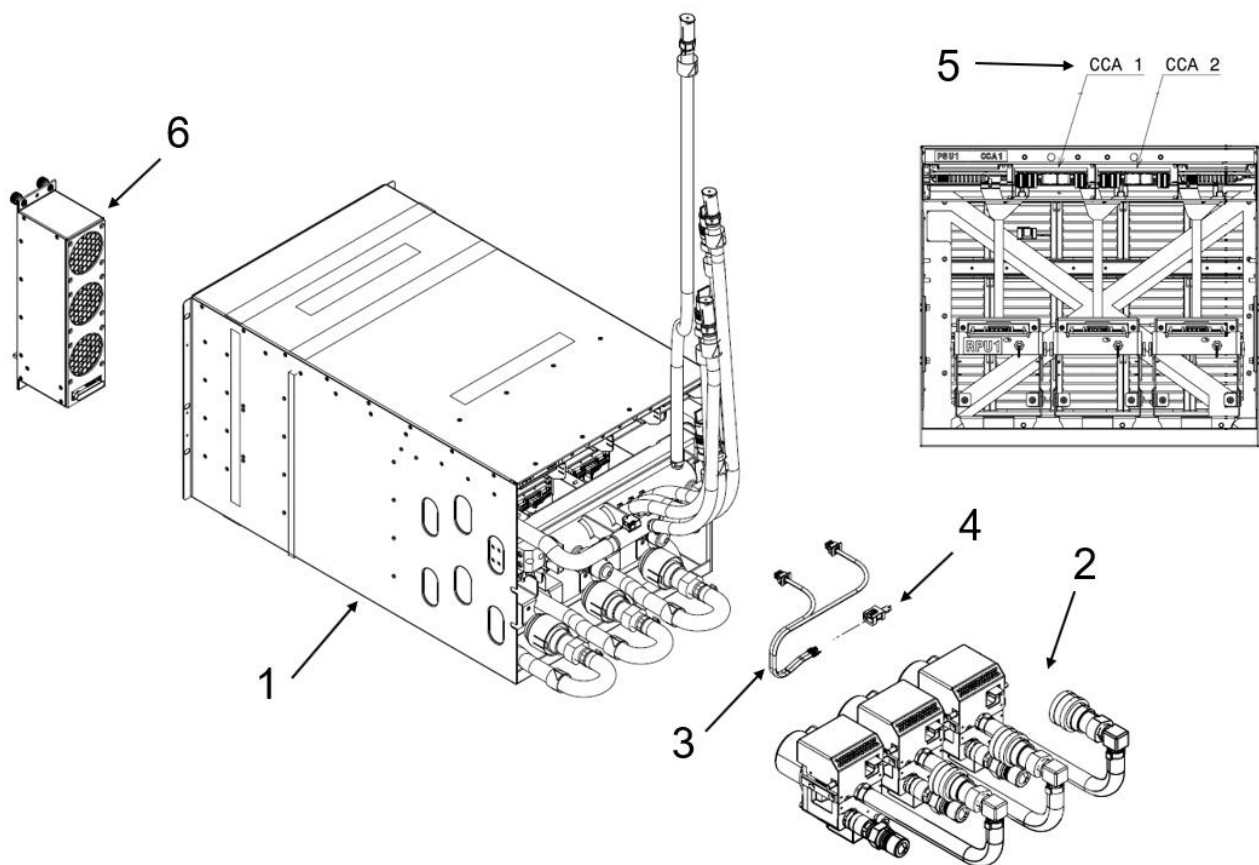
| Index | Part Number | Units | Description                      |
|-------|-------------|-------|----------------------------------|
| 1     | 03FM417     | AR    | Internal Battery Feature (IBF)   |
| 2     | 03FM241     | AR    | Internal Battery Enclosure (IBE) |

**Assembly 7: A or B frame assembly, manifolds, reservoir**



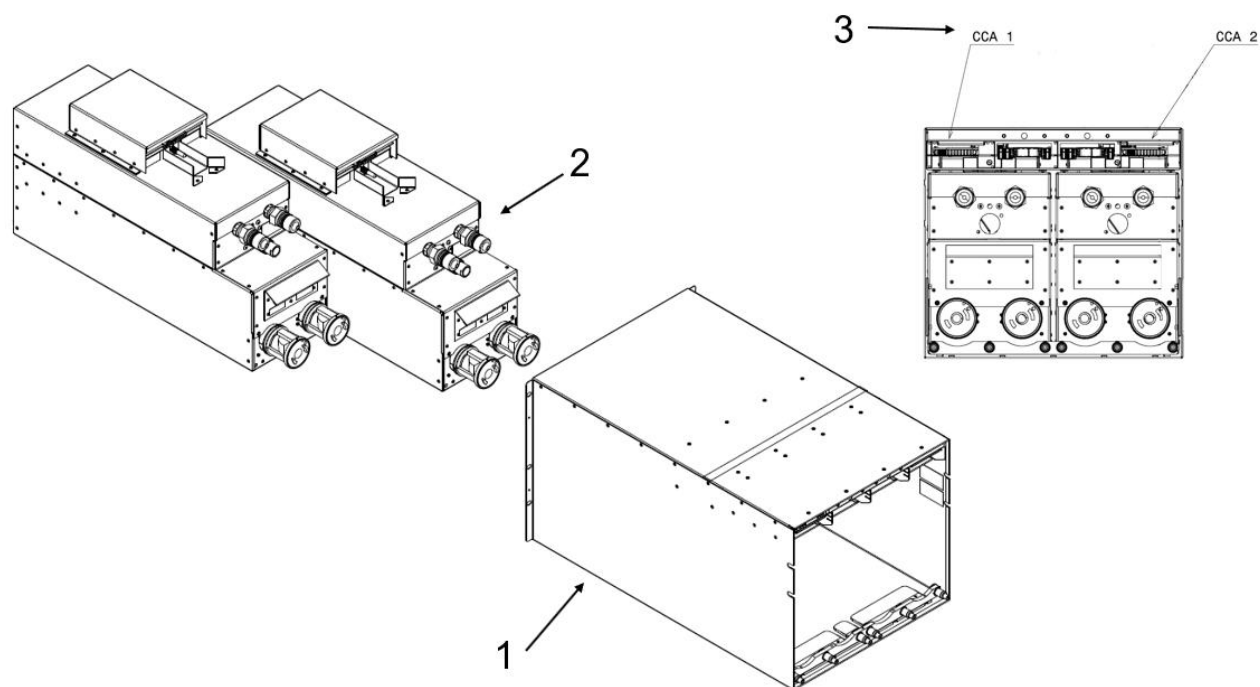
| Index | Part Number | Units | Description                                                                                                   |
|-------|-------------|-------|---------------------------------------------------------------------------------------------------------------|
| 1     | 02WN868     | 1     | Reservoir                                                                                                     |
| 2     | 02WN981     | 1     | Manifold Assembly (for WCU only; RCU has hoses attached)<br>Use 74F1823 (4) nut clip<br>Use 46K4284 (4) screw |
| 3     | 02WN339     | 1     | Wiring Harness (for WCU only)                                                                                 |
| 4     | 02ED114     | 1     | Thermistor                                                                                                    |

# Assembly 8: Radiator Cooling Unit (RCU) assembly



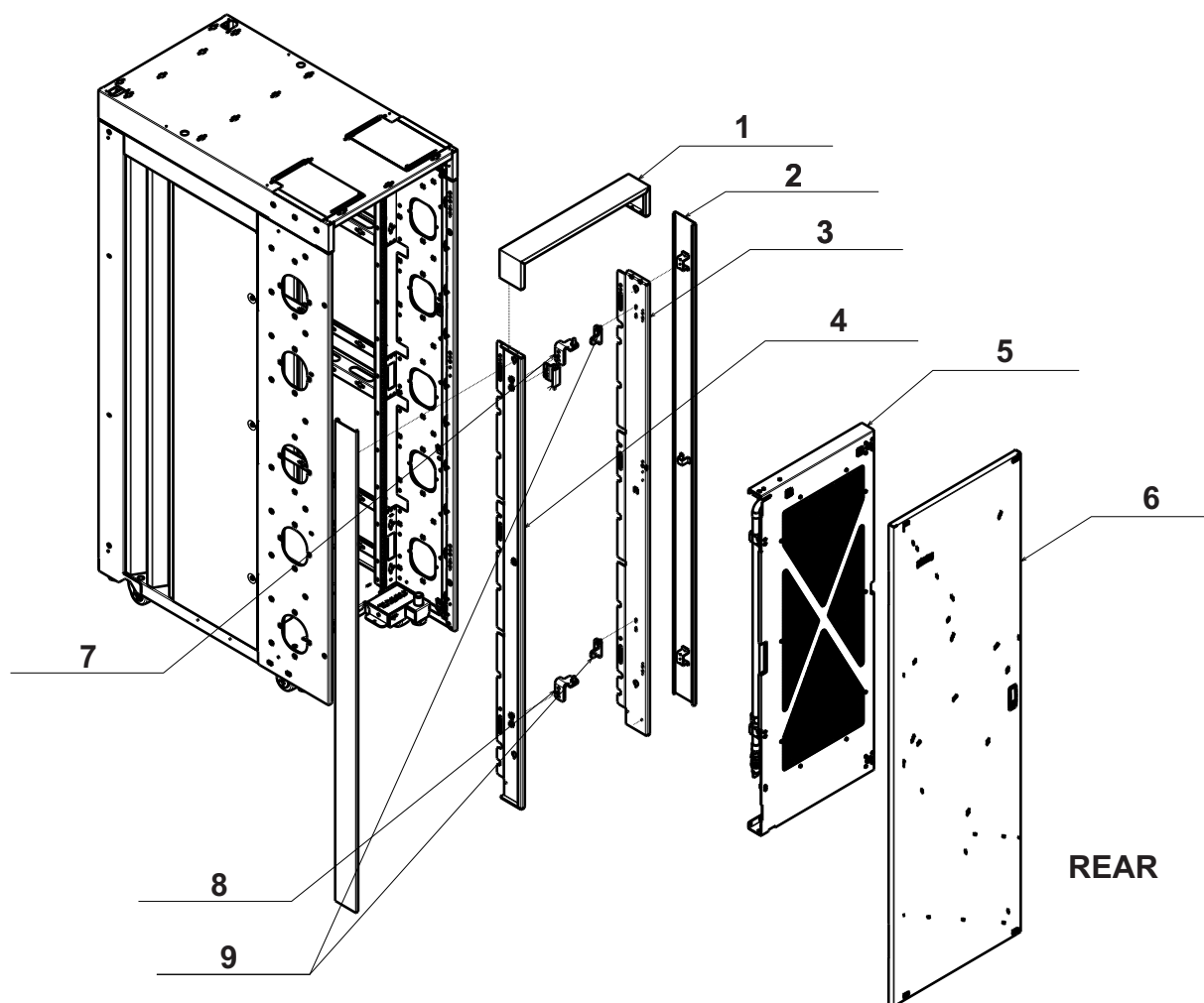
| Index | Part Number | Units | Description          |
|-------|-------------|-------|----------------------|
| 1     | 02WN867     | 1     | Radiator Enclosure   |
| 2     | 02ED110     | 3     | Radiator Pump Unit   |
| 3     | 02ED109     | 1     | Thermistor Cable     |
| 4     | 02ED114     | 1     | Thermistor           |
| 5     | 02WN699     | 2     | CCA                  |
| 6     | 02WN697     | 5     | Cooling Fan Assembly |

# Assembly 9: Water Cooling Unit (WCU) assembly



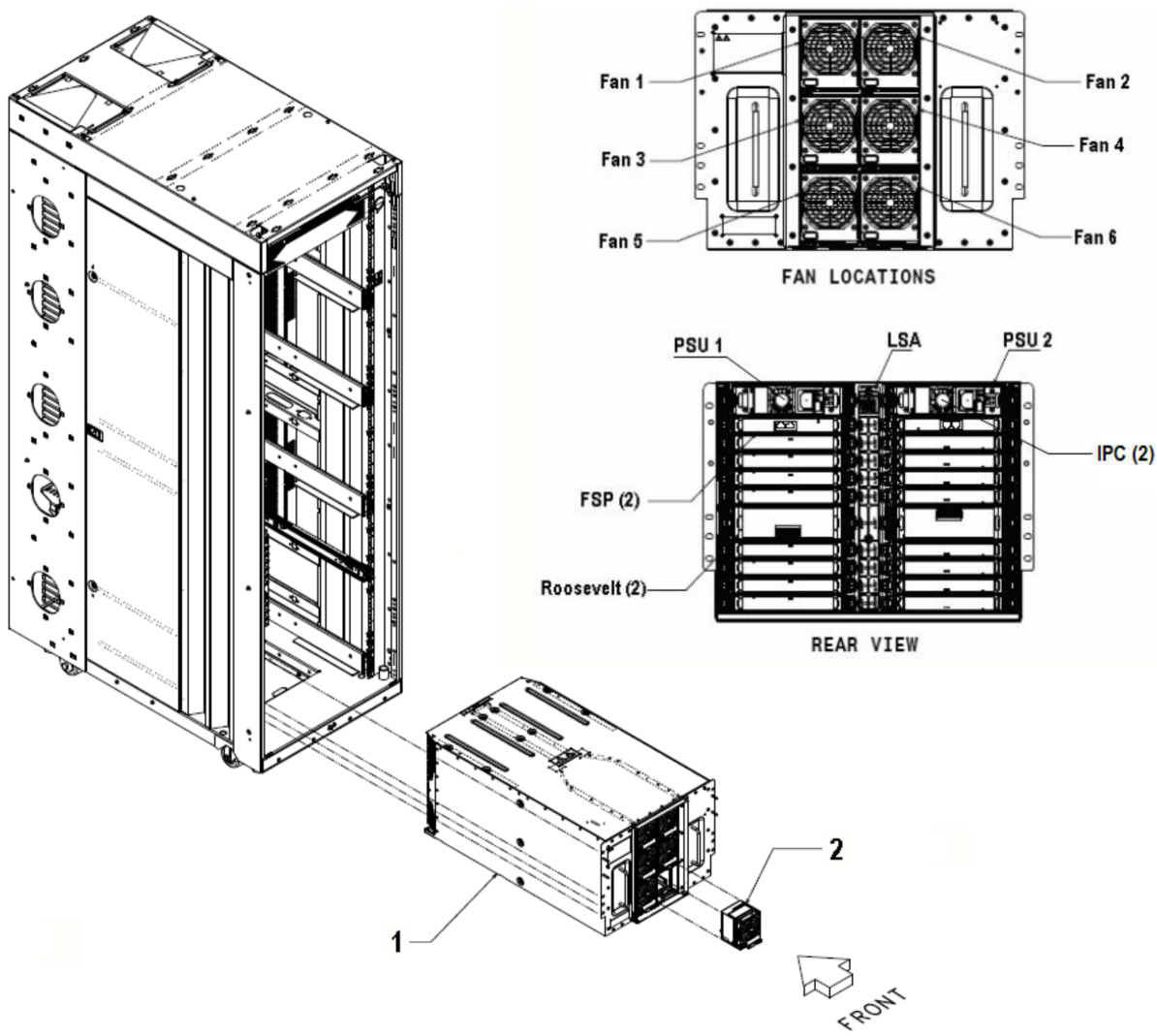
| Index | Part Number | Units | Description        |
|-------|-------------|-------|--------------------|
| 1     | 02WN476     | 1     | WCU Enclosure      |
| 2     | 02WN912     | 2     | Water Cooling Unit |
| 3     | 02WN699     | 2     | CCA                |

## Assembly 10: In door heat exchanger and frame extenders



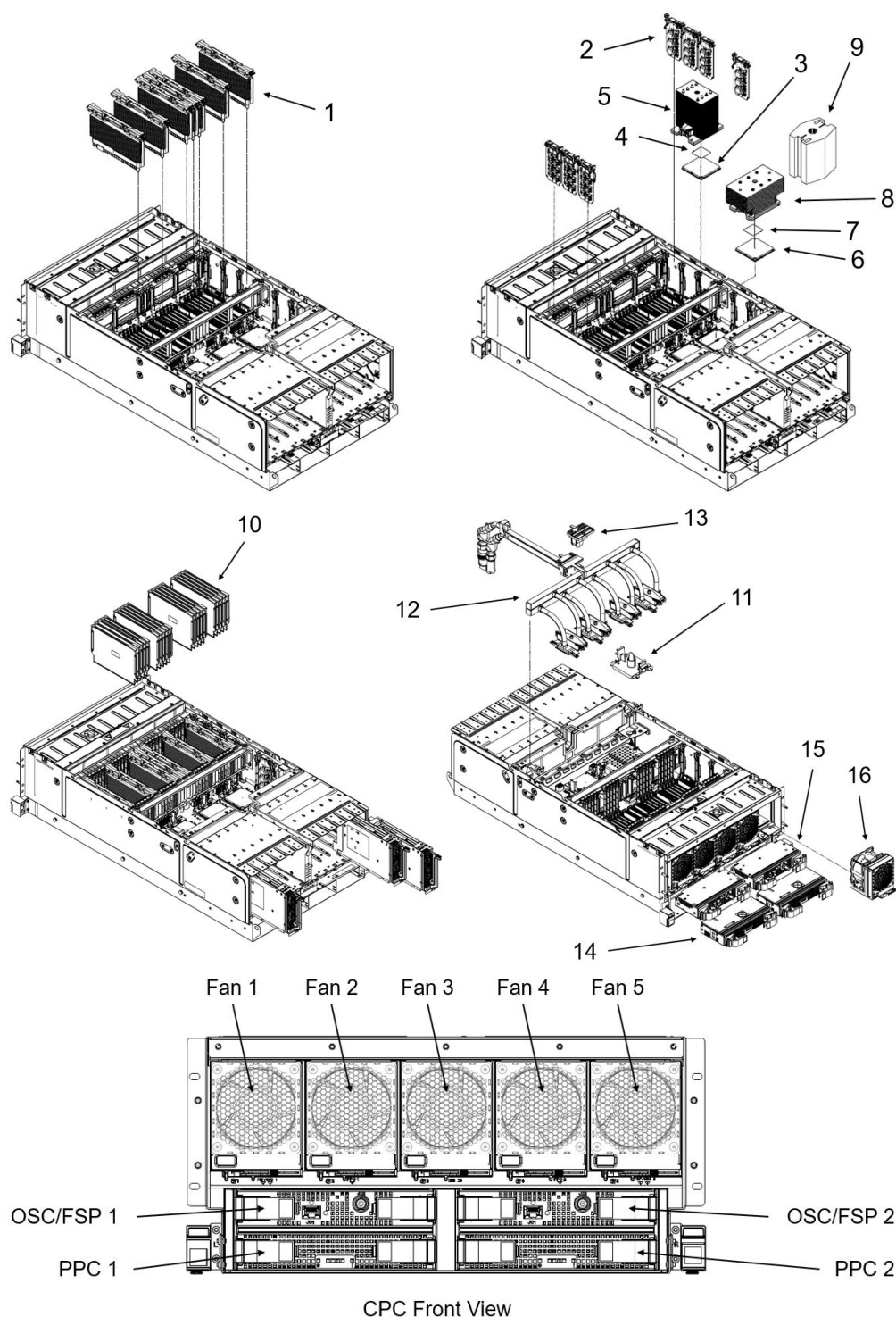
| Index | Part Number | Units | Description                                   |
|-------|-------------|-------|-----------------------------------------------|
| 1     | 01PP973     | 1     | Extender, Top - Use 46K4284, (4) Screw        |
| 2     | 02WN857     | 2     | Extender, Side Cover - Use 46K4284, (4) Screw |
| 3     | 01PP971     | 1     | Extender, Side Right - Use 46K4337, (3) Screw |
| 4     | 01PP972     | 1     | Extender, Side Left - Use 46K4337, (3) Screw  |
| 5     | 02WN390     | 1     | Heat Exchanger                                |
| 6     | 01PP001     | 1     | Rear cover                                    |
| 7     | 02EC117     | 1     | Hinge - Use 46K4284, (2) Screw                |
| 8     | 02EC118     | 1     | Hinge - Use 46K4284, (2) Screw                |
| 9     | 02EC123     | 2     | Latch - Use 46K4284, (4) Screw                |

Assembly 11: PCIe+ I/O drawer assembly



| Index | Part Number | Units  | Description      |
|-------|-------------|--------|------------------|
| 1     | 02WN931     | 1 - 12 | PCIe+ I/O Drawer |
| 2     | 02ED368     | 6      | Fan              |

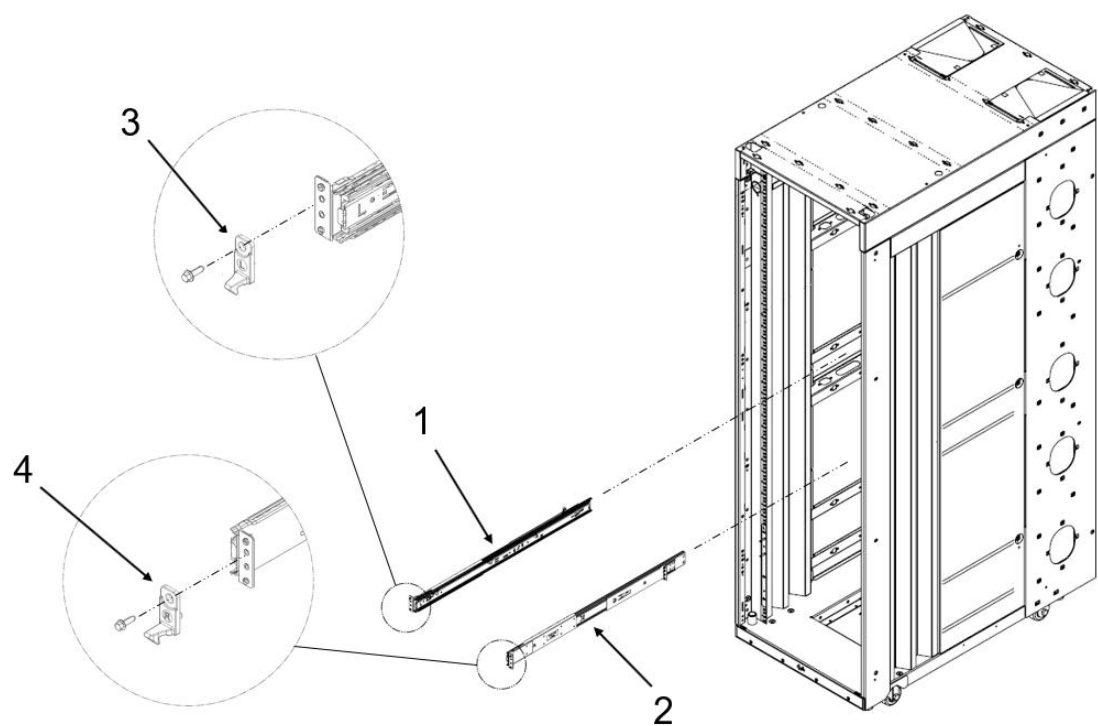
# Assembly 12: CPC drawer assembly



*Table 1. Assembly 12: CPC drawer assembly*

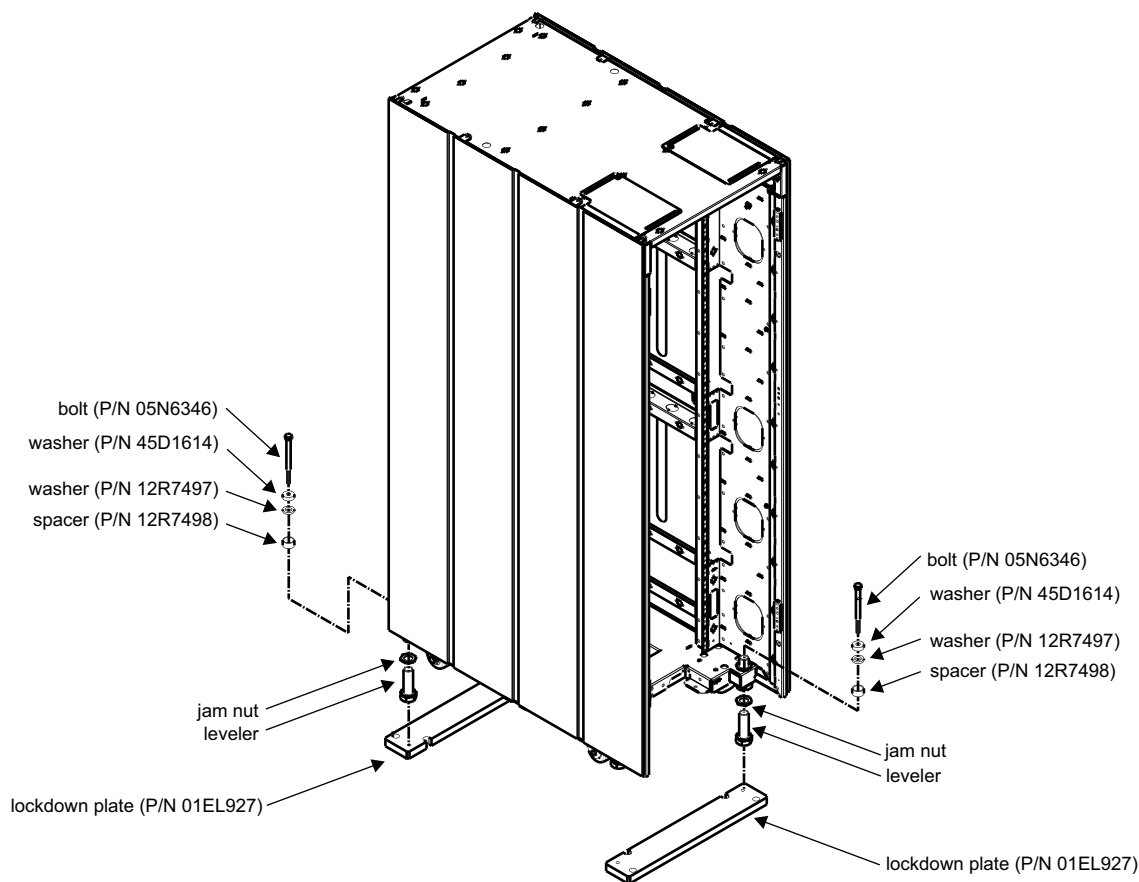
| <b>Index</b> | <b>Part Number</b> | <b>Units</b> | <b>Description</b>           |
|--------------|--------------------|--------------|------------------------------|
| 1            | 02EC650            | 7            | POL Card                     |
| 2            | 02WN508            | 6-7          | VRS Card                     |
| 3            | -                  | 1-4          | CP Logic Module              |
| 4            | 01EL446            | 1-4          | Indium Foil TIM              |
| 5            | 00LV507            | 1-4          | CP Heat Sink                 |
| 6            | -                  | 1            | SC Logic Module              |
| 7            | 01EL446            | 1            | Indium Foil TIM              |
| 8            | 02EA716            | 1            | SC Heat Sink                 |
| 9            | 02EA592            | AR           | Dummy Heat Sink              |
| 10           | -                  | AR           | DIMM Card                    |
| 11           | 01KL620            | AR           | LGA Cover Assembly           |
| 12           | 02WN972            | 1            | Cold Plate Manifold Assembly |
| 13           | 02EC289            | 1            | Bridge Block Filler Assembly |
| 14           | 02WN510            | 2            | PPC Assembly                 |
| 15           | 00L5430            | 2            | OSC / FSP Assembly           |
| 16           | 02ED368            | 5            | Fan                          |

# Assembly 13: CPC rails



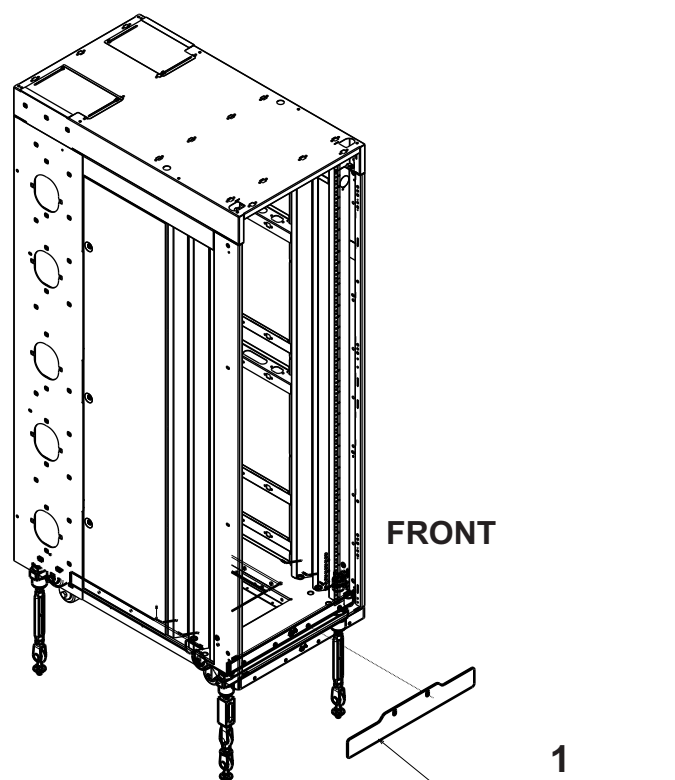
| Asm-Index | Part Number | Units | Description                               |
|-----------|-------------|-------|-------------------------------------------|
| 1         | 02DE500     | 1     | CPC Rail, Left<br>Use 46K4284, (4) Screw  |
| 2         | 02DE501     | 1     | CPC Rail, Right<br>Use 46K4284, (4) Screw |
| 3         | 02DE511     | 1     | Latch, Left<br>Use 46K4284, (1) Screw     |
| 4         | 02DE510     | 1     | Latch, Right<br>Use 46K4284, (1) Screw    |

# Assembly 14: Earthquake Kit, frame tie down, non-raised floor



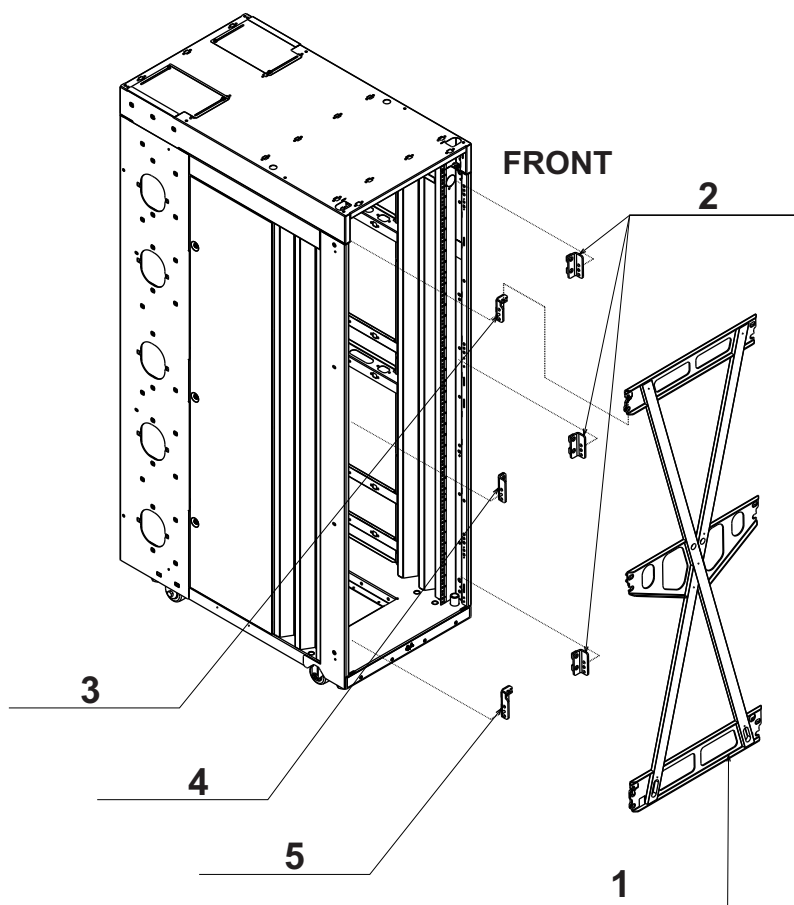
| Index | Part Number | Units | Description                                       |
|-------|-------------|-------|---------------------------------------------------|
| -     | 01EL923     | AR    | Earthquake Kit, frame tie down (non-raised floor) |
| -     | 01EL927     | 2     | Lockdown plate                                    |
| -     | 05N6346     | 4     | Bolt                                              |
| -     | 45D1614     | 4     | Washer                                            |
| -     | 12R7497     | 4     | Washer                                            |
| -     | 12R7498     | 4     | Spacer                                            |

## Assembly 15: Earthquake Kit, frame tie down, raised floor



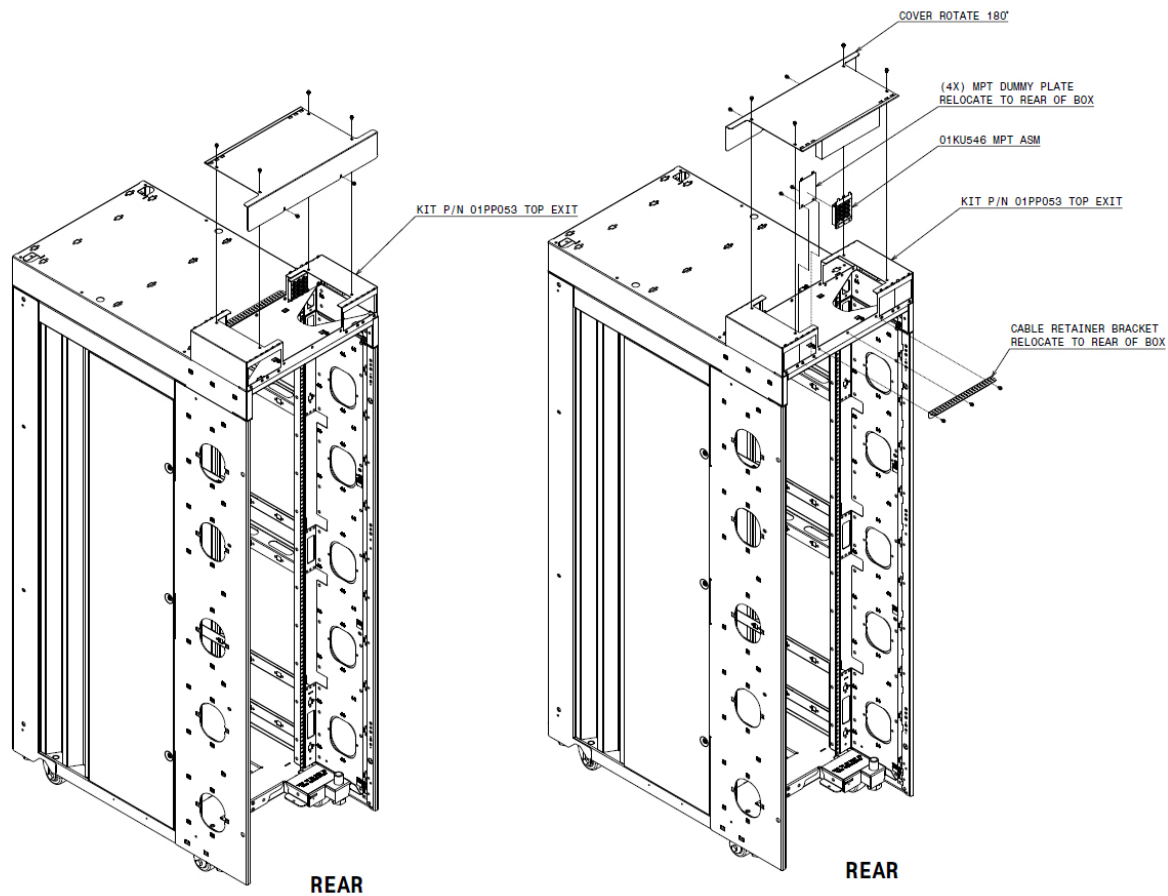
| Index | Part Number | Units | Description                                            |
|-------|-------------|-------|--------------------------------------------------------|
| -     | 02WN693     | AR    | Earthquake Kit, frame tie down (non-raised floor)      |
| 1     | 01KL479     | 1     | Airflow plate<br>Use 01KL446, (2) M6x10 Flathead screw |

# Assembly 16: Earthquake Kit, frame stiffening assembly



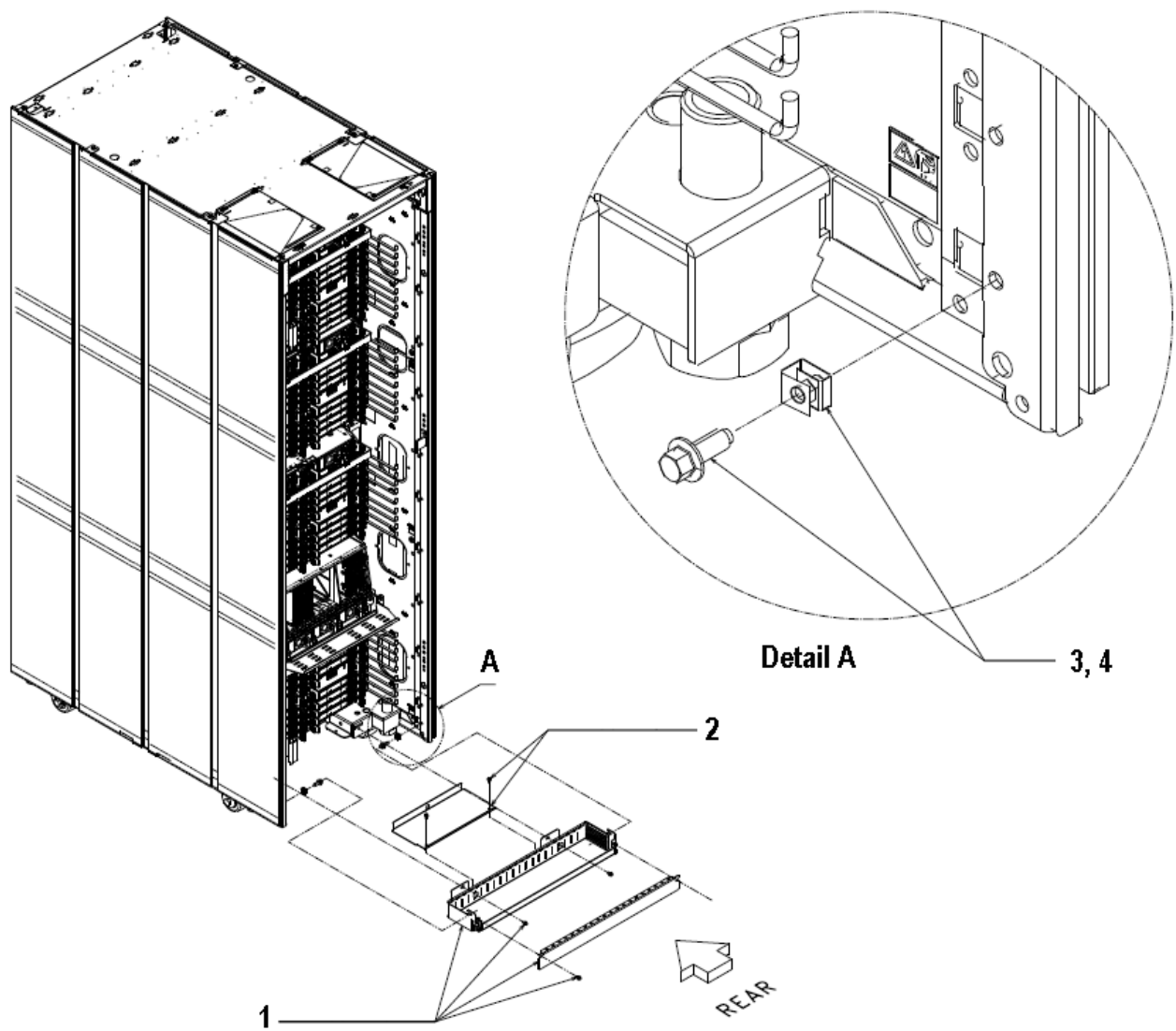
| Index | Part Number | Units | Description                                        |
|-------|-------------|-------|----------------------------------------------------|
| 1     | 02EA977     | 1     | Frame stiffener bracket - Use 01KV711, (11) screw  |
| 2     | 01EL908     | 3     | Latch bracket, latch side - Use 46K4337, (6) screw |
| 3     | 01KV358     | 1     | Hinge bracket, hinge side - Use 46K4337, (2) screw |
| 4     | 01KU054     | 1     | Latch bracket, hinge side - Use 46K4337, (2) screw |
| 5     | 01KV643     | 1     | Hinge bracket, bottom - Use 46K4337, (2) screw     |

# Assembly 17: Top exit I/O mounting



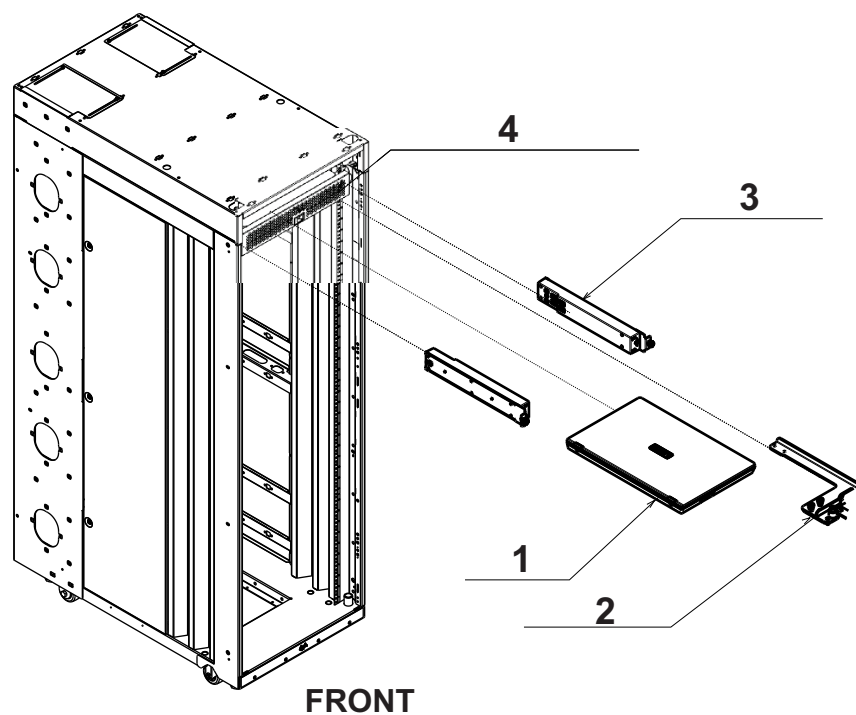
| Index | Part Number | Units | Description                                      |
|-------|-------------|-------|--------------------------------------------------|
| -     | 01PP053     | 1     | Top Exit I/O, assembly<br>Use 1624775, (6) Screw |

# Assembly 18: Raised floor tailgate mounting



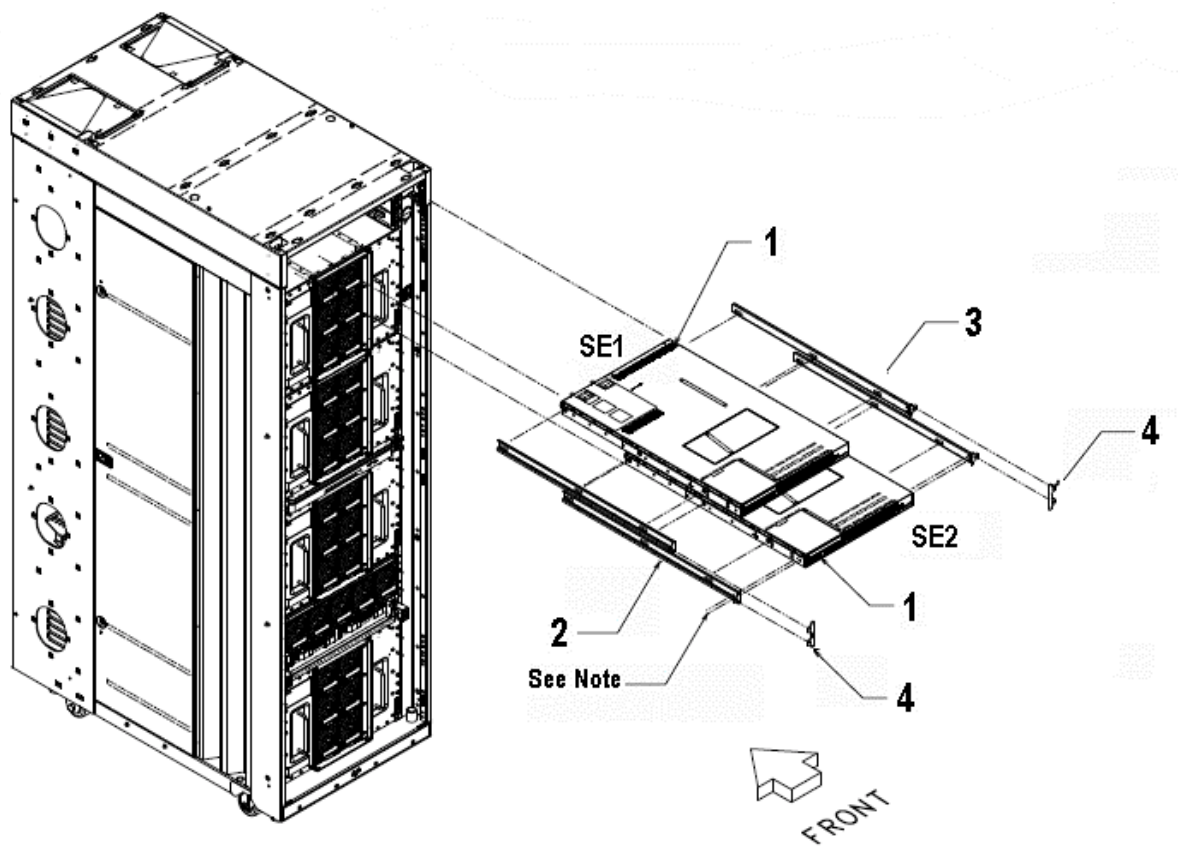
| Index | Part Number | Units | Description                                     |
|-------|-------------|-------|-------------------------------------------------|
| 1     | 02ED452     | 1     | Tailgate Kit - Use 46K4282, (4) screw           |
| 2     | 01KU403     | 1     | Filler plate, Tailgate - Use 46K4282, (2) screw |
| 3     | 00N8709     | 2     | Nut clip                                        |
| 4     | 46K4308     | 2     | Screw                                           |

# Assembly 19: Compact KMM (keyboard, monitor, mouse) assembly



| Index | Part Number | Units | Description                          |
|-------|-------------|-------|--------------------------------------|
| 1     | 02WN858     | 1     | Compact Keyboard/Monitor/Mouse (KMM) |
| 2     | 02WN479     | 1     | Support arm hardware                 |
| 3     | 02WN859     | 2     | Interface Adapter/Hub                |
| 4     | 02WN767     | 1     | KMM Storage box cover                |

## Assembly 20: Support Elements



| Index | Part Number | Units | Description                                                                           |
|-------|-------------|-------|---------------------------------------------------------------------------------------|
| 1     | 00RY862     | 2     | Support Element Server, Front, A Frame<br><i>Use 46K4284 (8) Screw</i>                |
| 2     | 02EA717     | 2     | Support Element Rail, Left<br><i>Use 46K4284 (2) Screw (no Nut Clip on left rail)</i> |
| 3     | 02EA717     | 2     | Support Element Rail, Right<br><i>Use 46K4284 (2) Screw, 74F1823 (2) Nut Clip</i>     |
| 4     | 01KV745     | 2     | Bracket<br><i>Use 46K4284 (2) Screw</i>                                               |

**Note:** Reuse screw (2) from kit.



## Chapter 3. Cable guide

### Assembly 21: Power cords

| Table 2. Power cords (PDU)                     |             |       |                                                                                                          |
|------------------------------------------------|-------------|-------|----------------------------------------------------------------------------------------------------------|
| Index                                          | Part Number | Units | Description                                                                                              |
| <b>30 amp / 400V AC power cord - WYE</b>       |             |       |                                                                                                          |
| -                                              | 03FM499     | AR    | Power Cord, 14ft, USA, CNN, Japan, Three-Phase<br>30A / 400V AC, Hubbell Plug, IEC 309, 4P-5W            |
| <b>32 amp / 380 - 415V AC power cord - WYE</b> |             |       |                                                                                                          |
| -                                              | 03FM500     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>32A / 380-415V AC, Cut End                                 |
| -                                              | 03FM501     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>32A / 380-415V AC (LZSH), Cut End, low smoke, halogen-free |
| <b>60 amp / 250V AC power cord - Delta</b>     |             |       |                                                                                                          |
| -                                              | 03FM494     | AR    | Power Cord, 14ft, USA, CNN, Japan, Three-Phase<br>60A / 250V AC, Hubbell Plug, IEC 309, 3P-4W            |
| -                                              | 03FM495     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>60A / 250V AC, Cut End                                     |
| -                                              | 03FM496     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>60A / 250V AC, Cut End, low smoke, halogen-free            |

| Table 3. Power cords (BPA)               |             |       |                                                                                                   |
|------------------------------------------|-------------|-------|---------------------------------------------------------------------------------------------------|
| Index                                    | Part Number | Units | Description                                                                                       |
| <b>60 amp / 250V AC power cord</b>       |             |       |                                                                                                   |
| -                                        | 03FM139     | AR    | Power Cord, 14ft, USA, CNN, Japan, Three-Phase<br>60A / 250V AC, Hubbell Plug                     |
| -                                        | 03FM140     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>60A / 250V AC, Cut End                              |
| -                                        | 03FM141     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>60A / 250V AC, Cut End, low smoke, halogen-free     |
| <b>30 amp / 400V AC power cord</b>       |             |       |                                                                                                   |
| -                                        | 03FM143     | AR    | Power Cord, 14ft, USA, CNN, Japan, Three-Phase<br>30/32A / 400V AC, Hubbell Plug                  |
| <b>32 amp / 380 - 415V AC power cord</b> |             |       |                                                                                                   |
| -                                        | 03FM144     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>32A / 380-415V AC, Cut End                          |
| -                                        | 03FM145     | AR    | Power Cord, 14ft, World Trade, Three-Phase<br>32A / 380-415V AC, Cut End, low smoke, halogen-free |
| <b>30 amp / 480V AC power cord</b>       |             |       |                                                                                                   |
|                                          | 03FM146     | AR    | Power Cord, 14ft, USA, CNN, Japan, Three-Phase<br>30A / 480V AC, Hubbell Plug                     |

## Assembly 22: Cable assemblies

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- [“Assembly 22.1: Cable assemblies \(PDU\)” on page 28](#)
- [“Assembly 22.2: Cable assemblies \(BPA\)” on page 38](#)
- [“Assembly 22.3: Cable assemblies \(Miscellaneous\)” on page 48](#)

## Assembly 22.1: Cable assemblies (PDU)

- Cable assemblies (PDU) - A frame, see [Table 4 on page 29](#)
- Cable assemblies (PDU) - Z frame, see [Table 5 on page 32](#)
- Cable assemblies (PDU) - B frame, see [Table 6 on page 33](#)
- Cable assemblies (PDU) - C frame *without* B frame present, see [Table 7 on page 35](#)
- Cable assemblies (PDU) - C frame *with* B frame present, see [Table 8 on page 37](#)

| Table 4. Cable assemblies (PDU) - A frame |             |       |                                                           |
|-------------------------------------------|-------------|-------|-----------------------------------------------------------|
| Index                                     | Part Number | Units | Description                                               |
| <b>Servers and switches (red)</b>         |             |       |                                                           |
| -                                         | 02EC513     | AR    | Cable Assembly: Switch #1 P05 to Switch #2 P05            |
| -                                         | 02EC514     | AR    | Cable Assembly: Switch #1 P06 to Switch #2 P06            |
| -                                         | 02WN458     | AR    | Cable Assembly: Switch #1 P15 to SE Server #1 (A42) MGMT1 |
| -                                         | 02WN459     | AR    | Cable Assembly: Switch #1 P17 to SE Server #1 (A42) LAN1  |
| -                                         | 02WN460     | AR    | Cable Assembly: Switch #2 P15 to SE Server #1 (A42) MGMT2 |
| -                                         | 02WN461     | AR    | Cable Assembly: Switch #2 P17 to SE Server #1 (A42) LAN2  |
| -                                         | 02WN462     | AR    | Cable Assembly: Switch #1 P16 to SE Server #2 (A41) MGMT1 |
| -                                         | 02WN463     | AR    | Cable Assembly: Switch #1 P18 to SE Server #2 (A41) LAN1  |
| -                                         | 02WN464     | AR    | Cable Assembly: Switch #2 P16 to SE Server #2 (A41) MGMT2 |
| -                                         | 02WN465     | AR    | Cable Assembly: Switch #2 P18 to SE Server #2 (A41) LAN2  |
| -                                         | 02EC523     | AR    | Cable Assembly: Switch #1 P04 to iPDU #1 (ET)             |
| -                                         | 02EC524     | AR    | Cable Assembly: Switch #2 P04 to iPDU #2 (ET)             |
| -                                         | 02EC525     | AR    | Cable Assembly: Switch #1 P03 to iPDU #3 (ET)             |
| -                                         | 02EC526     | AR    | Cable Assembly: Switch #2 P03 to iPDU #4 (ET)             |
| <b>Power (red)</b>                        |             |       |                                                           |
| -                                         | 02EC666     | AR    | Cable Assembly: SE Server #1 (A42) PSU2 to iPDU1-P01      |
| -                                         | 02EC667     | AR    | Cable Assembly: SE Server #1 (A42) PSU1 to iPDU2-P01      |
| -                                         | 02EC668     | AR    | Cable Assembly: SE Server #2 (A41) PSU2 to iPDU1-P02      |
| -                                         | 02EC669     | AR    | Cable Assembly: SE Server #2 (A41) PSU1 to iPDU2-P02      |
| -                                         | 02EC725     | AR    | Cable Assembly: Switch #1 (A40) PWR to iPDU2-P03          |
| -                                         | 02EC726     | AR    | Cable Assembly: Switch #2 (A39) PWR to iPDU1-P03          |
| <b>Radiator (red)</b>                     |             |       |                                                           |
| -                                         | 02WN734     | AR    | Cable Assembly: Switch #1 P19 to Rad CCA1-P03 (FSP1)      |
| -                                         | 02WN735     | AR    | Cable Assembly: Switch #2 P19 to Rad CCA2-P03 (FSP2)      |
| -                                         | 02EC715     | AR    | Cable Assembly: iPDU1-P09 to PSU1                         |
| -                                         | 02EC716     | AR    | Cable Assembly: iPDU2-P09 to PSU2                         |
| <b>CPC0 (red) A10</b>                     |             |       |                                                           |
| -                                         | 03FM165     | AR    | Cable Assembly: Switch #1 P09 to H101-P01 (FSP1)          |
| -                                         | 03FM166     | AR    | Cable Assembly: Switch #2 P09 to H102 P01 (FSP2)          |

| Table 4. Cable assemblies (PDU) - A frame (continued) |             |       |                                                  |
|-------------------------------------------------------|-------------|-------|--------------------------------------------------|
| Index                                                 | Part Number | Units | Description                                      |
| -                                                     | 02EC695     | AR    | Cable Assembly: iPDU1-P06 to PSU1                |
| -                                                     | 02EC696     | AR    | Cable Assembly: iPDU2-P06 to PSU4                |
| -                                                     | 02EC697     | AR    | Cable Assembly: iPDU1-P08 to PSU2                |
| -                                                     | 02EC698     | AR    | Cable Assembly: iPDU2-P08 to PSU3                |
| <b>CPC1 (blue) A15</b>                                |             |       |                                                  |
| -                                                     | 03FM167     | AR    | Cable Assembly: Switch #1 P14 to H101-P01 (FSP1) |
| -                                                     | 03FM168     | AR    | Cable Assembly: Switch #2 P14 to H102-P01 (FSP2) |
| -                                                     | 02EC699     | AR    | Cable Assembly: iPDU3-P08 to PSU1                |
| -                                                     | 02EC700     | AR    | Cable Assembly: iPDU4-P08 to PSU4                |
| -                                                     | 02WN756     | AR    | Cable Assembly: iPDU3-P09 to PSU2                |
| -                                                     | 02WN757     | AR    | Cable Assembly: iPDU4-P09 to PSU3                |
| <b>CPC2 (yellow) A20</b>                              |             |       |                                                  |
| -                                                     | 03FM169     | AR    | Cable Assembly: Switch #1 P11 to H101-P01 (FSP1) |
| -                                                     | 03FM170     | AR    | Cable Assembly: Switch #2 P11 to H102-P01 (FSP2) |
| -                                                     | 02EC703     | AR    | Cable Assembly: iPDU3-P05 to PSU1                |
| -                                                     | 02EC704     | AR    | Cable Assembly: iPDU4-P05 to PSU4                |
| -                                                     | 02WN828     | AR    | Cable Assembly: iPDU3-P06 to PSU2                |
| -                                                     | 02WN829     | AR    | Cable Assembly: iPDU4-P06 to PSU3                |
| <b>PCIe+ I/O Drawer 1 - A15 (blue)</b>                |             |       |                                                  |
| -                                                     | 03FM175     | AR    | Cable Assembly: Switch #1 P14 to LG01-P01 (FSP1) |
| -                                                     | 03FM177     | AR    | Cable Assembly: Switch #2 P14 to LG11-P01 (FSP2) |
| -                                                     | 02EC670     | AR    | Cable Assembly: iPDU1-P07 to PSU1                |
| -                                                     | 02EC671     | AR    | Cable Assembly: iPDU2-P07 to PSU2                |
| <b>PCIe+ I/O Drawer 3 - A23 (yellow)</b>              |             |       |                                                  |
| -                                                     | 03FM178     | AR    | Cable Assembly: Switch #1 P11 to LG01-P01 (FSP1) |
| -                                                     | 03FM179     | AR    | Cable Assembly: Switch #2 P11 to LG11-P01 (FSP2) |
| -                                                     | 02EC672     | AR    | Cable Assembly: iPDU1-P05 to PSU1                |
| -                                                     | 02EC673     | AR    | Cable Assembly: iPDU2-P05 to PSU2                |
| <b>PCIe+ I/O Drawer 4 - A31 (green)</b>               |             |       |                                                  |
| -                                                     | 03FM180     | AR    | Cable Assembly: Switch #1 P12 to LG01-P01 (FSP1) |
| -                                                     | 03FM181     | AR    | Cable Assembly: Switch #2 P12 to LG11-P01 (FSP2) |
| -                                                     | 02EC674     | AR    | Cable Assembly: iPDU1-P04 to PSU1                |

| <i>Table 4. Cable assemblies (PDU) - A frame (continued)</i> |                    |              |                                   |
|--------------------------------------------------------------|--------------------|--------------|-----------------------------------|
| <b>Index</b>                                                 | <b>Part Number</b> | <b>Units</b> | <b>Description</b>                |
| -                                                            | 02EC675            | AR           | Cable Assembly: iPDU2-P04 to PSU2 |

Table 5. Cable assemblies (PDU) - Z frame

| Index                                    | Part Number | Units | Description                                      |
|------------------------------------------|-------------|-------|--------------------------------------------------|
| <b>PCIe+ I/O Drawer 5 - Z01 (red)</b>    |             |       |                                                  |
| -                                        | 03FM184     | AR    | Cable Assembly: Switch #1 P24 to LG01-P01 (FSP1) |
| -                                        | 03FM185     | AR    | Cable Assembly: Switch #2 P24 to LG11-P01 (FSP2) |
| -                                        | 02WN776     | AR    | Cable Assembly: iPDU3-P01 (A Frame) to PSU1      |
| -                                        | 02WN777     | AR    | Cable Assembly: iPDU4-P01 (A Frame) to PSU2      |
| <b>PCIe+ I/O Drawer 6 - Z09 (yellow)</b> |             |       |                                                  |
| -                                        | 03FM186     | AR    | Cable Assembly: Switch #1 P23 to LG01-P01 (FSP1) |
| -                                        | 03FM187     | AR    | Cable Assembly: Switch #2 P23 to LG11-P01 (FSP2) |
| -                                        | 02WN778     | AR    | Cable Assembly: iPDU3-P02 (A Frame) to PSU1      |
| -                                        | 02WN779     | AR    | Cable Assembly: iPDU4-P02 (A Frame) to PSU2      |
| <b>PCIe+ I/O Drawer 7 - Z17 (blue)</b>   |             |       |                                                  |
| -                                        | 03FM188     | AR    | Cable Assembly: Switch #1 P22 to LG01-P01 (FSP1) |
| -                                        | 03FM189     | AR    | Cable Assembly: Switch #2 P22 to LG11-P01 (FSP2) |
| -                                        | 03FM432     | AR    | Cable Assembly: iPDU3-P03 (A Frame) to PSU1      |
| -                                        | 03FM433     | AR    | Cable Assembly: iPDU4-P03 (A Frame) to PSU2      |
| <b>PCIe+ I/O Drawer 8 - Z25 (purple)</b> |             |       |                                                  |
| -                                        | 03FM190     | AR    | Cable Assembly: Switch #1 P21 to LG01-P01 (FSP1) |
| -                                        | 03FM191     | AR    | Cable Assembly: Switch #2 P21 to LG11-P01 (FSP2) |
| -                                        | 02WN782     | AR    | Cable Assembly: iPDU3-P04 (A Frame) to PSU1      |
| -                                        | 02WN783     | AR    | Cable Assembly: iPDU4-P04 (A Frame) to PSU2      |
| <b>PCIe+ I/O Drawer 9 - Z33 (green)</b>  |             |       |                                                  |
| -                                        | 03FM516     | AR    | Cable Assembly: Switch #1 P20 to LG01-P01 (FSP1) |
| -                                        | 03FM517     | AR    | Cable Assembly: Switch #2 P20 to LG11-P01 (FSP2) |
| -                                        | 02WN784     | AR    | Cable Assembly: iPDU3-P07 (A Frame) to PSU1      |
| -                                        | 02WN785     | AR    | Cable Assembly: iPDU4-P07 (A Frame) to PSU2      |

| Table 6. Cable assemblies (PDU) - B frame |             |       |                                                      |
|-------------------------------------------|-------------|-------|------------------------------------------------------|
| Index                                     | Part Number | Units | Description                                          |
| <b>Switches (red)</b>                     |             |       |                                                      |
| -                                         | 02EC589     | AR    | Cable Assembly: Switch #1 P01 to Switch #3 P23       |
| -                                         | 02EC590     | AR    | Cable Assembly: Switch #1 P02 to Switch #3 P24       |
| -                                         | 02EC591     | AR    | Cable Assembly: Switch #2 P01 to Switch #4 P23       |
| -                                         | 02EC592     | AR    | Cable Assembly: Switch #2 P02 to Switch #4 P24       |
| -                                         | 02EC593     | AR    | Cable Assembly: Switch #3 P05 to Switch #4 P05       |
| -                                         | 02EC594     | AR    | Cable Assembly: Switch #3 P06 to Switch #4 P06       |
| -                                         | 02EC595     | AR    | Cable Assembly: Switch #3 P19 to iPDU #1 (ET)        |
| -                                         | 02EC596     | AR    | Cable Assembly: Switch #4 P19 to iPDU #2 (ET)        |
| <b>Power (red)</b>                        |             |       |                                                      |
| -                                         | 02EC727     | AR    | Cable Assembly: Switch #3 (A40) PWR to iPDU2-P03     |
| -                                         | 02EC728     | AR    | Cable Assembly: Switch #4 (A39) PWR to iPDU1-P03     |
| <b>Radiator (red)</b>                     |             |       |                                                      |
| -                                         | 02WN736     | AR    | Cable Assembly: Switch #3 P21 to Rad CCA1-P03 (FSP1) |
| -                                         | 02WN737     | AR    | Cable Assembly: Switch #4 P21 to Rad CCA2-P03 (FSP1) |
| -                                         | 02EC717     | AR    | Cable Assembly: iPDU1-P09 to PSU1                    |
| -                                         | 02EC718     | AR    | Cable Assembly: iPDU2-P09 to PSU2                    |
| <b>CPC3 (red) B10</b>                     |             |       |                                                      |
| -                                         | 03FM171     | AR    | Cable Assembly: Switch #3 P17 to OSCFSP0-P01 (FSP1)  |
| -                                         | 03FM172     | AR    | Cable Assembly: Switch #4 P17 to OSCFSP1-P01 (FSP1)  |
| -                                         | 02EC707     | AR    | Cable Assembly: iPDU1-P06 to PSU1                    |
| -                                         | 02EC708     | AR    | Cable Assembly: iPDU2-P06 to PSU4                    |
| -                                         | 02EC709     | AR    | Cable Assembly: iPDU1-P08 to PSU2                    |
| -                                         | 02EC710     | AR    | Cable Assembly: iPDU2-P08 to PSU3                    |
| <b>CPC4 (blue) B15</b>                    |             |       |                                                      |
| -                                         | 03FM173     | AR    | Cable Assembly: Switch #3 P18 to OSCFSP0-P01 (FSP1)  |
| -                                         | 03FM174     | AR    | Cable Assembly: Switch #4 P18 to OSCFSP1-P01 (FSP1)  |
| -                                         | 02WN797     | AR    | Cable Assembly: iPDU1-P02 to PSU1                    |
| -                                         | 03FM363     | AR    | Cable Assembly: iPDU2-P02 to PSU4                    |
| -                                         | 03FM364     | AR    | Cable Assembly: iPDU1-P05 to PSU2                    |
| -                                         | 02WN800     | AR    | Cable Assembly: iPDU2-P05 to PSU3                    |

| Table 6. Cable assemblies (PDU) - B frame (continued) |             |       |                                                  |
|-------------------------------------------------------|-------------|-------|--------------------------------------------------|
| Index                                                 | Part Number | Units | Description                                      |
| <b>PCIe+ I/O Drawer 10 - B17 (blue)</b>               |             |       |                                                  |
| -                                                     | 03FM198     | AR    | Cable Assembly: Switch #3 P22 to LG01-P01 (FSP1) |
| -                                                     | 03FM199     | AR    | Cable Assembly: Switch #4 P22 to LG11-P01 (FSP2) |
| -                                                     | 02EC738     | AR    | Cable Assembly: iPDU1-P07 to PSU1                |
| -                                                     | 02EC739     | AR    | Cable Assembly: iPDU2-P07 to PSU2                |
| <b>PCIe+ I/O Drawer 11 - B25 (yellow)</b>             |             |       |                                                  |
| -                                                     | 03FM200     | AR    | Cable Assembly: Switch #3 P20 to LG01-P01 (FSP1) |
| -                                                     | 03FM201     | AR    | Cable Assembly: Switch #4 P20 to LG11-P01 (FSP2) |
| -                                                     | 02EC740     | AR    | Cable Assembly: iPDU1-P04 to PSU1                |
| -                                                     | 02EC741     | AR    | Cable Assembly: iPDU2-P04 to PSU2                |
| <b>PCIe+ I/O Drawer 12 - B33 (green)</b>              |             |       |                                                  |
| -                                                     | 03FM202     | AR    | Cable Assembly: Switch #3 P15 to LG01-P01 (FSP1) |
| -                                                     | 03FM203     | AR    | Cable Assembly: Switch #4 P15 to LG11-P01 (FSP2) |
| -                                                     | 02EC742     | AR    | Cable Assembly: iPDU1-P01 to PSU1                |
| -                                                     | 02EC743     | AR    | Cable Assembly: iPDU2-P01 to PSU2                |

| Table 7. Cable assemblies (PDU) - C frame, without B frame present |             |       |                                                  |
|--------------------------------------------------------------------|-------------|-------|--------------------------------------------------|
| Index                                                              | Part Number | Units | Description                                      |
| <b>Switches (red)</b>                                              |             |       |                                                  |
| -                                                                  | 02EC620     | AR    | Cable Assembly: Switch #1 P01 to Switch #3 P23   |
| -                                                                  | 02EC621     | AR    | Cable Assembly: Switch #1 P02 to Switch #3 P24   |
| -                                                                  | 02EC622     | AR    | Cable Assembly: Switch #2 P01 to Switch #4 P23   |
| -                                                                  | 02EC623     | AR    | Cable Assembly: Switch #2 P02 to Switch #4 P24   |
| -                                                                  | 02EC624     | AR    | Cable Assembly: Switch #3 P05 to Switch #4 P05   |
| -                                                                  | 02EC625     | AR    | Cable Assembly: Switch #3 P06 to Switch #4 P06   |
| -                                                                  | 02EC626     | AR    | Cable Assembly: Switch #3 P03 to iPDU #1 (ET)    |
| -                                                                  | 02EC627     | AR    | Cable Assembly: Switch #4 P03 to iPDU #2 (ET)    |
| <b>Power (red)</b>                                                 |             |       |                                                  |
| -                                                                  | 02EC729     | AR    | Cable Assembly: Switch #3 (A40) PWR to iPDU2-P03 |
| -                                                                  | 02EC730     | AR    | Cable Assembly: Switch #4 (A39) PWR to iPDU1-P03 |
| <b>PCIe+ I/O Drawer 13 - C01 (red)</b>                             |             |       |                                                  |
| -                                                                  | 03FM204     | AR    | Cable Assembly: Switch #3 P16 to LG01-P01 (FSP1) |
| -                                                                  | 03FM205     | AR    | Cable Assembly: Switch #4 P16 to LG11-P02 (FSP2) |
| -                                                                  | 02EC744     | AR    | Cable Assembly: iPDU1-P08 to PSU1                |
| -                                                                  | 02EC745     | AR    | Cable Assembly: iPDU2-P08 to PSU2                |
| <b>PCIe+ I/O Drawer 14 - C09 (yellow)</b>                          |             |       |                                                  |
| -                                                                  | 03FM206     | AR    | Cable Assembly: Switch #3 P13 to LG01-P01 (FSP1) |
| -                                                                  | 03FM207     | AR    | Cable Assembly: Switch #4 P13 to LG11-P02 (FSP2) |
| -                                                                  | 02WN830     | AR    | Cable Assembly: iPDU1-P07 to PSU1                |
| -                                                                  | 02EC747     | AR    | Cable Assembly: iPDU2-P07 to PSU2                |
| <b>PCIe+ I/O Drawer 15 - C17 (blue)</b>                            |             |       |                                                  |
| -                                                                  | 03FM208     | AR    | Cable Assembly: Switch #3 P14 to LG01-P01 (FSP1) |
| -                                                                  | 03FM209     | AR    | Cable Assembly: Switch #4 P14 to LG11-P02 (FSP2) |
| -                                                                  | 02EC748     | AR    | Cable Assembly: iPDU1-P06 to PSU1                |
| -                                                                  | 02EC749     | AR    | Cable Assembly: iPDU2-P06 to PSU2                |
| <b>PCIe+ I/O Drawer 16 - C25 (purple)</b>                          |             |       |                                                  |
| -                                                                  | 03FM210     | AR    | Cable Assembly: Switch #3 P11 to LG01-P01 (FSP1) |
| -                                                                  | 03FM211     | AR    | Cable Assembly: Switch #4 P11 to LG11-P01 (FSP2) |
| -                                                                  | 02EC750     | AR    | Cable Assembly: iPDU1-P05 to PSU1                |

| <i>Table 7. Cable assemblies (PDU) - C frame, without B frame present (continued)</i> |                    |              |                                                  |
|---------------------------------------------------------------------------------------|--------------------|--------------|--------------------------------------------------|
| <b>Index</b>                                                                          | <b>Part Number</b> | <b>Units</b> | <b>Description</b>                               |
| -                                                                                     | 02EC751            | AR           | Cable Assembly: iPDU2-P05 to PSU2                |
| <b>PCIe+ I/O Drawer 17 - C33 (green)</b>                                              |                    |              |                                                  |
| -                                                                                     | 03FM212            | AR           | Cable Assembly: Switch #3 P12 to LG01-P01 (FSP1) |
| -                                                                                     | 03FM213            | AR           | Cable Assembly: Switch #4 P12 to LG11-P01 (FSP2) |
| -                                                                                     | 02EC752            | AR           | Cable Assembly: iPDU1-P02 to PSU1                |
| -                                                                                     | 02EC753            | AR           | Cable Assembly: iPDU2-P02 to PSU2                |

Table 8. Cable assemblies (PDU) - C frame, with B frame present

| Index                                     | Part Number | Units | Description                                      |
|-------------------------------------------|-------------|-------|--------------------------------------------------|
| <b>Switches (red)</b>                     |             |       |                                                  |
| -                                         | 02EC646     | AR    | Cable Assembly: Switch #3 P03 to iPDU #1 (ET)    |
| -                                         | 02EC647     | AR    | Cable Assembly: Switch #4 P03 to iPDU #2 (ET)    |
| <b>PCIe+ I/O Drawer 13 - C01 (red)</b>    |             |       |                                                  |
| -                                         | 03FM214     | AR    | Cable Assembly: Switch #3 P16 to LG01-P01 (FSP1) |
| -                                         | 03FM215     | AR    | Cable Assembly: Switch #4 P16 to LG11-P02 (FSP2) |
| -                                         | 02EC744     | AR    | Cable Assembly: iPDU1-P08 to PSU1                |
| -                                         | 02EC745     | AR    | Cable Assembly: iPDU2-P08 to PSU2                |
| <b>PCIe+ I/O Drawer 14 - C09 (yellow)</b> |             |       |                                                  |
| -                                         | 03FM216     | AR    | Cable Assembly: Switch #3 P13 to LG01-P01 (FSP1) |
| -                                         | 03FM217     | AR    | Cable Assembly: Switch #4 P13 to LG11-P02 (FSP2) |
| -                                         | 02WN830     | AR    | Cable Assembly: iPDU1-P07 to PSU1                |
| -                                         | 02EC747     | AR    | Cable Assembly: iPDU2-P07 to PSU2                |
| <b>PCIe+ I/O Drawer 15 - C17 (blue)</b>   |             |       |                                                  |
| -                                         | 03FM218     | AR    | Cable Assembly: Switch #3 P14 to LG01-P01 (FSP1) |
| -                                         | 03FM219     | AR    | Cable Assembly: Switch #4 P14 to LG11-P02 (FSP2) |
| -                                         | 02EC748     | AR    | Cable Assembly: iPDU1-P06 to PSU1                |
| -                                         | 02EC749     | AR    | Cable Assembly: iPDU2-P06 to PSU2                |
| <b>PCIe+ I/O Drawer 16 - C25 (purple)</b> |             |       |                                                  |
| -                                         | 03FM220     | AR    | Cable Assembly: Switch #3 P11 to LG01-P01 (FSP1) |
| -                                         | 03FM221     | AR    | Cable Assembly: Switch #4 P11 to LG11-P02 (FSP2) |
| -                                         | 02EC750     | AR    | Cable Assembly: iPDU1-P05 to PSU1                |
| -                                         | 02EC751     | AR    | Cable Assembly: iPDU2-P05 to PSU2                |
| <b>PCIe+ I/O Drawer 17 - C33 (green)</b>  |             |       |                                                  |
| -                                         | 03FM222     | AR    | Cable Assembly: Switch #3 P12 to LG01-P01 (FSP1) |
| -                                         | 03FM223     | AR    | Cable Assembly: Switch #4 P12 to LG11-P02 (FSP2) |
| -                                         | 02EC752     | AR    | Cable Assembly: iPDU1-P02 to PSU1                |
| -                                         | 02EC753     | AR    | Cable Assembly: iPDU2-P02 to PSU2                |

## Assembly 22.2: Cable assemblies (BPA)

- Cable assemblies (BPA) - A frame, see [Table 9 on page 39](#)
- Cable assemblies (BPA) - Z frame, see [Table 10 on page 42](#)
- Cable assemblies (BPA) - B frame, see [Table 11 on page 43](#)
- Cable assemblies (BPA) - C frame *without* B frame present, see [Table 12 on page 45](#)
- Cable assemblies (BPA) - C frame *with* B frame present, see [Table 13 on page 47](#)

Table 9. Cable assemblies (BPA) - A frame

| Index                             | Part Number | Units | Description                                               |
|-----------------------------------|-------------|-------|-----------------------------------------------------------|
| <b>Servers and switches (red)</b> |             |       |                                                           |
| -                                 | 02EC513     | AR    | Cable Assembly: Switch #1 P05 to Switch #2 P05            |
| -                                 | 02EC514     | AR    | Cable Assembly: Switch #1 P06 to Switch #2 P06            |
| -                                 | 02WN458     | AR    | Cable Assembly: Switch #1 P15 to SE Server #1 (A42) MGMT1 |
| -                                 | 02WN459     | AR    | Cable Assembly: Switch #1 P17 to SE Server #1 (A42) LAN1  |
| -                                 | 02WN460     | AR    | Cable Assembly: Switch #2 P15 to SE Server #1 (A42) MGMT2 |
| -                                 | 02WN461     | AR    | Cable Assembly: Switch #2 P17 to SE Server #1 (A42) LAN2  |
| -                                 | 02WN462     | AR    | Cable Assembly: Switch #1 P16 to SE Server #2 (A41) MGMT1 |
| -                                 | 02WN463     | AR    | Cable Assembly: Switch #1 P18 to SE Server #2 (A41) LAN1  |
| -                                 | 02WN464     | AR    | Cable Assembly: Switch #2 P16 to SE Server #2 (A41) MGMT2 |
| -                                 | 02WN465     | AR    | Cable Assembly: Switch #2 P18 to SE Server #2 (A41) LAN2  |
| -                                 | 02WN055     | AR    | Cable Assembly: Switch #1 P10 to BPEA-P35                 |
| -                                 | 02WN056     | AR    | Cable Assembly: Switch #2 P10 to BPEB-P35                 |
| -                                 | 02ED448     | AR    | Cable Assembly: BPEA-P31 to BPEB-P31                      |
| <b>Power (red)</b>                |             |       |                                                           |
| -                                 | 03FM072     | AR    | Cable Assembly: SE Server #1 (A42) PSU1 to BPEA-P02       |
| -                                 | 03FM073     | AR    | Cable Assembly: SE Server #1 (A42) PSU2 to BPEB-P02       |
| -                                 | 03FM074     | AR    | Cable Assembly: SE Server #2 (A41) PSU1 to BPEA-P03       |
| -                                 | 03FM075     | AR    | Cable Assembly: SE Server #2 (A41) PSU2 to BPEB-P03       |
| -                                 | 03FM056     | AR    | Cable Assembly: Switch #1 (A40) PWR to BPE's-P11          |
| -                                 | 03FM057     | AR    | Cable Assembly: Switch #2 (A39) PWR to BPE'-P12           |
| <b>Radiator (red)</b>             |             |       |                                                           |
| -                                 | 02WN734     | AR    | Cable Assembly: Switch #1 P19 to Rad CCA1-P03 (FSP1)      |
| -                                 | 02WN735     | AR    | Cable Assembly: Switch #2 P19 to Rad CCA2-P03 (FSP2)      |
| -                                 | 03FM092     | AR    | Cable Assembly: BPE's-P20 to PSU1                         |
| -                                 | 03FM093     | AR    | Cable Assembly: BPE's-P29 to PSU2                         |
| <b>CPC0 (red) A10</b>             |             |       |                                                           |
| -                                 | 03FM165     | AR    | Cable Assembly: Switch #1 P09 to H101-P01 (FSP1)          |
| -                                 | 03FM166     | AR    | Cable Assembly: Switch #2 P09 to H102 P01 (FSP2)          |
| -                                 | 03FM077     | AR    | Cable Assembly: BPE's-P13 to PSU2                         |

| Table 9. Cable assemblies (BPA) - A frame (continued) |             |       |                                                    |
|-------------------------------------------------------|-------------|-------|----------------------------------------------------|
| Index                                                 | Part Number | Units | Description                                        |
| -                                                     | 03FM078     | AR    | Cable Assembly: BPE's-P22 to PSU3                  |
| -                                                     | 03FM079     | AR    | Cable Assembly: BPE's-P23 to PSU4                  |
| <b>CPC1 (blue) A15</b>                                |             |       |                                                    |
| -                                                     | 03FM167     | AR    | Cable Assembly: Switch #1 P14 to H101-P01 (FSP1)   |
| -                                                     | 03FM168     | AR    | Cable Assembly: Switch #2 P14 to H102-P01 (FSP2)   |
| -                                                     | 03FM080     | AR    | Cable Assembly: BPE's-P13 to PSU2                  |
| -                                                     | 03FM081     | AR    | Cable Assembly: BPE's-P14 to PSU3                  |
| -                                                     | 03FM082     | AR    | Cable Assembly: BPE's-P15 to PSU4                  |
| <b>CPC2 (yellow) A20</b>                              |             |       |                                                    |
| -                                                     | 03FM169     | AR    | Cable Assembly: Switch #1 P11 to H101-P01 (FSP1)   |
| -                                                     | 03FM170     | AR    | Cable Assembly: Switch #2 P11 to H102-P01 (FSP2)   |
| -                                                     | 03FM083     | AR    | Cable Assembly: BPE's-P04 to PSU2                  |
| -                                                     | 03FM084     | AR    | Cable Assembly: BPE's-P05 to PSU3                  |
| -                                                     | 03FM085     | AR    | Cable Assembly: BPE's-P06 to PSU4                  |
| <b>PCIe+ I/O Drawer 1 - A19 (blue)</b>                |             |       |                                                    |
| -                                                     | 03FM194     | AR    | Cable Assembly: Switch #1 P14 to LG01-P01 (FSP1)   |
| -                                                     | 03FM195     | AR    | Cable Assembly: Switch #2 P14 to LG11-P01 (FSP2)   |
| -                                                     | 03FM097     | AR    | Cable Assembly: BPE's-P13 to PSU1                  |
| -                                                     | 03FM098     | AR    | Cable Assembly: BPE's-P14 to PSU2                  |
| <b>PCIe+ I/O Drawer 2 - A01 (purple)</b>              |             |       |                                                    |
| -                                                     | 03FM182     | AR    | Cable Assembly: Switch #1 P13 to LG01-P01 (FSP1)   |
| -                                                     | 03FM183     | AR    | Cable Assembly: Switch #2 P13 to LG11-P01 (FSP2)   |
| -                                                     | 02WN836     | AR    | Cable Assembly: BPE's-P20 to PSU1                  |
| -                                                     | 02WN837     | AR    | Cable Assembly: BPE's-P29 to PSU2                  |
| <b>IBF 1 &amp; 4 (red)</b>                            |             |       |                                                    |
| -                                                     | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                     | 02ED450     | AR    | Cable Assembly: BPEA-P32 to IBF 1 Comm             |
| -                                                     | 02ED451     | AR    | Cable Assembly: BPEB-P32 to IBF 4 Comm             |
| <b>IBF 2 &amp; 5 (red)</b>                            |             |       |                                                    |
| -                                                     | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                     | 02ED452     | AR    | Cable Assembly: BPEA-P33 to IBF 2 Comm             |
| -                                                     | 02ED453     | AR    | Cable Assembly: BPEB-P33 to IBF 5 Comm             |

| <i>Table 9. Cable assemblies (BPA) - A frame (continued)</i> |                    |              |                                                    |
|--------------------------------------------------------------|--------------------|--------------|----------------------------------------------------|
| <b>Index</b>                                                 | <b>Part Number</b> | <b>Units</b> | <b>Description</b>                                 |
| <b>IBF 3 &amp; 6 (red)</b>                                   |                    |              |                                                    |
| -                                                            | 02WN625            | AR           | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                            | 02ED454            | AR           | Cable Assembly: BPEA-P34 to IBF 3 Comm             |
| -                                                            | 02ED455            | AR           | Cable Assembly: BPEB-P34 to IBF 6 Comm             |

Table 10. Cable assemblies (BPA) - Z frame

| Index                                    | Part Number | Units | Description                                      |
|------------------------------------------|-------------|-------|--------------------------------------------------|
| <b>PCIe+ I/O Drawer 5 - Z01 (red)</b>    |             |       |                                                  |
| -                                        | 03FM184     | AR    | Cable Assembly: Switch #1 P24 to LG01-P01 (FSP1) |
| -                                        | 03FM185     | AR    | Cable Assembly: Switch #2 P24 to LG11-P01 (FSP2) |
| -                                        | 03FM099     | AR    | Cable Assembly: BPE's-P07 to PSU1                |
| -                                        | 03FM100     | AR    | Cable Assembly: BPE's-P08 to PSU2                |
| <b>PCIe+ I/O Drawer 6 - Z09 (yellow)</b> |             |       |                                                  |
| -                                        | 03FM186     | AR    | Cable Assembly: Switch #1 P23 to LG01-P01 (FSP1) |
| -                                        | 03FM187     | AR    | Cable Assembly: Switch #2 P23 to LG11-P01 (FSP2) |
| -                                        | 03FM101     | AR    | Cable Assembly: BPE's-P09 to PSU1                |
| -                                        | 03FM102     | AR    | Cable Assembly: BPE's-P18 to PSU2                |
| <b>PCIe+ I/O Drawer 7 - Z17 (blue)</b>   |             |       |                                                  |
| -                                        | 03FM188     | AR    | Cable Assembly: Switch #1 P22 to LG01-P01 (FSP1) |
| -                                        | 03FM189     | AR    | Cable Assembly: Switch #2 P22 to LG11-P01 (FSP2) |
| -                                        | 03FM103     | AR    | Cable Assembly: BPE's-P16 to PSU1                |
| -                                        | 03FM104     | AR    | Cable Assembly: BPE's-P17 to PSU2                |
| <b>PCIe+ I/O Drawer 8 - Z25 (purple)</b> |             |       |                                                  |
| -                                        | 03FM190     | AR    | Cable Assembly: Switch #1 P21 to LG01-P01 (FSP1) |
| -                                        | 03FM191     | AR    | Cable Assembly: Switch #2 P21 to LG11-P01 (FSP2) |
| -                                        | 03FM105     | AR    | Cable Assembly: BPE's-P26 to PSU1                |
| -                                        | 03FM106     | AR    | Cable Assembly: BPE's-P27 to PSU2                |
| <b>PCIe+ I/O Drawer 9 - Z33 (green)</b>  |             |       |                                                  |
| -                                        | 03FM516     | AR    | Cable Assembly: Switch #1 P20 to LG01-P01 (FSP1) |
| -                                        | 03FM517     | AR    | Cable Assembly: Switch #2 P20 to LG11-P01 (FSP2) |
| -                                        | 03FM107     | AR    | Cable Assembly: BPE's-P24 to PSU1                |
| -                                        | 03FM108     | AR    | Cable Assembly: BPE's-P25 to PSU2                |

| Table 11. Cable assemblies (BPA) - B frame |             |       |                                                      |
|--------------------------------------------|-------------|-------|------------------------------------------------------|
| Index                                      | Part Number | Units | Description                                          |
| <b>Switches (red)</b>                      |             |       |                                                      |
| -                                          | 02EC589     | AR    | Cable Assembly: Switch #1 P01 to Switch #3 P23       |
| -                                          | 02EC590     | AR    | Cable Assembly: Switch #1 P02 to Switch #3 P24       |
| -                                          | 02EC591     | AR    | Cable Assembly: Switch #2 P01 to Switch #4 P23       |
| -                                          | 02EC592     | AR    | Cable Assembly: Switch #2 P02 to Switch #4 P24       |
| -                                          | 02EC593     | AR    | Cable Assembly: Switch #3 P05 to Switch #4 P05       |
| -                                          | 02EC594     | AR    | Cable Assembly: Switch #3 P06 to Switch #4 P06       |
| -                                          | 02WN059     | AR    | Cable Assembly: Switch #1 P10 to BPEA-P35            |
| -                                          | 02WN060     | AR    | Cable Assembly: Switch #2 P10 to BPEB-P35            |
| -                                          | 02ED448     | AR    | Cable Assembly: BPEA-P32 to BPEB-P32                 |
| <b>Power (red)</b>                         |             |       |                                                      |
| -                                          | 03FM058     | AR    | Cable Assembly: Switch #1 (A42) PWR to BPE's-P11     |
| -                                          | 03FM059     | AR    | Cable Assembly: Switch #2 (A41) PWR to BPE's-P12     |
| <b>Radiator (red)</b>                      |             |       |                                                      |
| -                                          | 02WN736     | AR    | Cable Assembly: Switch #3 P21 to Rad CCA1-P03 (FSP1) |
| -                                          | 02WN737     | AR    | Cable Assembly: Switch #4 P21 to Rad CCA2-P03 (FSP1) |
| -                                          | 03FM094     | AR    | Cable Assembly: BPE's-P20 to PSU1                    |
| -                                          | 03FM095     | AR    | Cable Assembly: BPE's-P29 to PSU2                    |
| <b>CPC3 (red) B10</b>                      |             |       |                                                      |
| -                                          | 03FM171     | AR    | Cable Assembly: Switch #3 P17 to H101-P01 (FSP1)     |
| -                                          | 03FM172     | AR    | Cable Assembly: Switch #4 P17 to H102-P01 (FSP2)     |
| -                                          | 03FM086     | AR    | Cable Assembly: BPE's-P21 to PSU2                    |
| -                                          | 03FM087     | AR    | Cable Assembly: BPE's-P22 to PSU3                    |
| -                                          | 03FM088     | AR    | Cable Assembly: BPE's-P23 to PSU4                    |
| <b>CPC4 (blue) B15</b>                     |             |       |                                                      |
| -                                          | 03FM173     | AR    | Cable Assembly: Switch #3 P18 to H101-P01 (FSP1)     |
| -                                          | 03FM174     | AR    | Cable Assembly: Switch #4 P18 to H102-P02 (FSP2)     |
| -                                          | 03FM089     | AR    | Cable Assembly: BPE's-P13 to PSU2                    |
| -                                          | 03FM090     | AR    | Cable Assembly: BPE's-P14 to PSU3                    |
| -                                          | 03FM091     | AR    | Cable Assembly: BPE's-P15 to PSU4                    |
| <b>PCIe+ I/O Drawer 11 - B21 (yellow)</b>  |             |       |                                                      |

| Table 11. Cable assemblies (BPA) - B frame (continued) |             |       |                                                    |
|--------------------------------------------------------|-------------|-------|----------------------------------------------------|
| Index                                                  | Part Number | Units | Description                                        |
| -                                                      | 03FM196     | AR    | Cable Assembly: Switch #3 P20 to LG01-P01 (FSP1)   |
| -                                                      | 03FM197     | AR    | Cable Assembly: Switch #4 P20 to LG11-P02 (FSP2)   |
| -                                                      | 03FM110     | AR    | Cable Assembly: BPE's-P04 to PSU1                  |
| -                                                      | 03FM111     | AR    | Cable Assembly: BPE's-P05 to PSU2                  |
| <b>IBF 1 &amp; 4 (red)</b>                             |             |       |                                                    |
| -                                                      | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                      | 02ED450     | AR    | Cable Assembly: BPEA-P32 to IBF 1 Comm             |
| -                                                      | 02ED451     | AR    | Cable Assembly: BPEB-P32 to IBF 4 Comm             |
| <b>IBF 2 &amp; 5 (red)</b>                             |             |       |                                                    |
| -                                                      | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                      | 02ED452     | AR    | Cable Assembly: BPEA-P33 to IBF 2 Comm             |
| -                                                      | 02ED453     | AR    | Cable Assembly: BPEB-P33 to IBF 5 Comm             |
| <b>IBF 3 &amp; 6 (red)</b>                             |             |       |                                                    |
| -                                                      | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                      | 02ED454     | AR    | Cable Assembly: BPEA-P34 to IBF 3 Comm             |
| -                                                      | 02ED455     | AR    | Cable Assembly: BPEB-P34 to IBF 6 Comm             |

| Table 12. Cable assemblies (BPA) - C frame, without B frame present |             |       |                                                    |
|---------------------------------------------------------------------|-------------|-------|----------------------------------------------------|
| Index                                                               | Part Number | Units | Description                                        |
| <b>Switches (red)</b>                                               |             |       |                                                    |
| -                                                                   | 02EC620     | AR    | Cable Assembly: Switch #1 P01 to Switch #3 P23     |
| -                                                                   | 02EC621     | AR    | Cable Assembly: Switch #1 P02 to Switch #3 P24     |
| -                                                                   | 02EC622     | AR    | Cable Assembly: Switch #2 P01 to Switch #4 P23     |
| -                                                                   | 02EC623     | AR    | Cable Assembly: Switch #2 P02 to Switch #4 P24     |
| -                                                                   | 02EC624     | AR    | Cable Assembly: Switch #3 P05 to Switch #4 P05     |
| -                                                                   | 02EC625     | AR    | Cable Assembly: Switch #3 P06 to Switch #4 P06     |
| -                                                                   | 02WN063     | AR    | Cable Assembly: Switch #1 P10 to BPEA-P35          |
| -                                                                   | 02WN064     | AR    | Cable Assembly: Switch #2 P10 to BPEB-P35          |
| -                                                                   | 02ED448     | AR    | Cable Assembly: BPEA-P31 to BPEB-P31               |
| <b>Power (red)</b>                                                  |             |       |                                                    |
| -                                                                   | 03FM060     | AR    | Cable Assembly: Switch #1 (A42) PWR to BPE's-P11   |
| -                                                                   | 03FM061     | AR    | Cable Assembly: Switch #2 (A41) PWR to BPE's-P12   |
| <b>PCIe+ I/O Drawer 13 - C01 (red)</b>                              |             |       |                                                    |
| -                                                                   | 03FM204     | AR    | Cable Assembly: Switch #3 P16 to LG01-P01 (FSP1)   |
| -                                                                   | 03FM205     | AR    | Cable Assembly: Switch #4 P16 to LG11-P02 (FSP2)   |
| -                                                                   | 03FM112     | AR    | Cable Assembly: BPE's-P07 to PSU1                  |
| -                                                                   | 03FM113     | AR    | Cable Assembly: BPE's-P08 to PSU2                  |
| <b>PCIe+ I/O Drawer 14 - C09 (yellow)</b>                           |             |       |                                                    |
| -                                                                   | 03FM206     | AR    | Cable Assembly: Switch #3 P13 to LG01-P01 (FSP1)   |
| -                                                                   | 03FM207     | AR    | Cable Assembly: Switch #4 P13 to LG11-P02 (FSP2)   |
| -                                                                   | 03FM114     | AR    | Cable Assembly: BPE's-P09 to PSU1                  |
| -                                                                   | 03FM115     | AR    | Cable Assembly: BPE's-P18 to PSU2                  |
| <b>PCIe+ I/O Drawer 15 - C17 (blue)</b>                             |             |       |                                                    |
| -                                                                   | 03FM208     | AR    | Cable Assembly: Switch #3 P14 to LG01-P01 (FSP1)   |
| -                                                                   | 03FM209     | AR    | Cable Assembly: Switch #4 P14 to LG11-P02 (FSP2)   |
| -                                                                   | 03FM116     | AR    | Cable Assembly: BPE's-P16 to PSU1                  |
| -                                                                   | 03FM117     | AR    | Cable Assembly: BPE's-P17 to PSU2                  |
| <b>IBF 1 &amp; 4 (red)</b>                                          |             |       |                                                    |
| -                                                                   | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                                   | 02ED450     | AR    | Cable Assembly: BPEA-P32 to IBF 1 Comm             |

| Table 12. Cable assemblies (BPA) - C frame, without B frame present (continued) |             |       |                                                    |
|---------------------------------------------------------------------------------|-------------|-------|----------------------------------------------------|
| Index                                                                           | Part Number | Units | Description                                        |
| -                                                                               | 02ED451     | AR    | Cable Assembly: BPEB-P32 to IBF 4 Comm             |
| <b>IBF 2 &amp; 5 (red)</b>                                                      |             |       |                                                    |
| -                                                                               | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                                               | 02ED452     | AR    | Cable Assembly: BPEA-P33 to IBF 2 Comm             |
| -                                                                               | 02ED453     | AR    | Cable Assembly: BPEB-P33 to IBF 5 Comm             |
| <b>IBF 3 &amp; 6 (red)</b>                                                      |             |       |                                                    |
| -                                                                               | 02WN625     | AR    | Power Assembly: BPR to IBF w/Sheet Metal (02ED029) |
| -                                                                               | 02ED454     | AR    | Cable Assembly: BPEA-P34 to IBF 3 Comm             |
| -                                                                               | 02ED455     | AR    | Cable Assembly: BPEB-P34 to IBF 6 Comm             |

Table 13. Cable assemblies (BPA) - C frame, with B frame present

| Index                                     | Part Number | Units | Description                                      |
|-------------------------------------------|-------------|-------|--------------------------------------------------|
| <b>PCIe+ I/O Drawer 13 - C01 (red)</b>    |             |       |                                                  |
| -                                         | 03FM214     | AR    | Cable Assembly: Switch #3 P16 to LG01-P01 (FSP1) |
| -                                         | 03FM215     | AR    | Cable Assembly: Switch #4 P16 to LG11-P02 (FSP2) |
| -                                         | 03FM118     | AR    | Cable Assembly: BPE's-P07 to PSU1                |
| -                                         | 03FM119     | AR    | Cable Assembly: BPE's-P08 to PSU2                |
| <b>PCIe+ I/O Drawer 14 - C09 (yellow)</b> |             |       |                                                  |
| -                                         | 03FM216     | AR    | Cable Assembly: Switch #3 P13 to LG01-P01 (FSP1) |
| -                                         | 03FM217     | AR    | Cable Assembly: Switch #4 P13 to LG11-P02 (FSP2) |
| -                                         | 03FM120     | AR    | Cable Assembly: BPE's-P09 to PSU1                |
| -                                         | 03FM121     | AR    | Cable Assembly: BPE's-P18 to PSU2                |
| <b>PCIe+ I/O Drawer 15 - C17 (blue)</b>   |             |       |                                                  |
| -                                         | 03FM218     | AR    | Cable Assembly: Switch #3 P14 to LG01-P01 (FSP1) |
| -                                         | 03FM219     | AR    | Cable Assembly: Switch #4 P14 to LG11-P02 (FSP2) |
| -                                         | 03FM122     | AR    | Cable Assembly: BPE's-P16 to PSU1                |
| -                                         | 03FM123     | AR    | Cable Assembly: BPE's-P17 to PSU2                |
| <b>PCIe+ I/O Drawer 16 - C25 (purple)</b> |             |       |                                                  |
| -                                         | 03FM220     | AR    | Cable Assembly: Switch #3 P11 to LG01-P01 (FSP1) |
| -                                         | 03FM221     | AR    | Cable Assembly: Switch #4 P11 to LG11-P02 (FSP2) |
| -                                         | 03FM124     | AR    | Cable Assembly: BPE's-P26 to PSU1                |
| -                                         | 03FM125     | AR    | Cable Assembly: BPE's-P27 to PSU2                |
| <b>PCIe+ I/O Drawer 17 - C33 (green)</b>  |             |       |                                                  |
| -                                         | 03FM222     | AR    | Cable Assembly: Switch #3 P12 to LG01-P01 (FSP1) |
| -                                         | 03FM223     | AR    | Cable Assembly: Switch #4 P12 to LG11-P02 (FSP2) |
| -                                         | 03FM126     | AR    | Cable Assembly: BPE's-P24 to PSU1                |
| -                                         | 03FM127     | AR    | Cable Assembly: BPE's-P25 to PSU2                |

## Assembly 22.3: Cable assemblies (Miscellaneous)



**Attention:** Unless otherwise specified, the following cable assemblies are common between the PDU-powered and BPA-powered systems.

| Table 14. Cable assemblies (Miscellaneous)         |             |       |                                                    |
|----------------------------------------------------|-------------|-------|----------------------------------------------------|
| Index                                              | Part Number | Units | Description                                        |
| <b>PCIe+ Fanout</b>                                |             |       |                                                    |
| -                                                  | 02EC885     | AR    | Cable Assembly: 0.6 meter Long (MFG Wrap Test)     |
| -                                                  | 02EC799     | AR    | Cable Assembly: 1.0 meter Long, Rev #1             |
| -                                                  | 02EC800     | AR    | Cable Assembly: 1.5 meter Long, Rev #1             |
| -                                                  | 02EC801     | AR    | Cable Assembly: 2.0 meter Long, Rev #1             |
| -                                                  | 02EC802     | AR    | Cable Assembly: 2.5 meter Long, Rev #1             |
| <b>SMP-8 (2 nodes/CPC drawers)</b>                 |             |       |                                                    |
| -                                                  | 00LU550     | AR    | Cable Assembly: SMP 0.90m                          |
| <b>SMP-8 (3 nodes/CPC drawers)</b>                 |             |       |                                                    |
| -                                                  | 00LU550     | AR    | Cable Assembly: SMP 0.90m                          |
| -                                                  | 00LU552     | AR    | Cable Assembly: SMP 1.25m                          |
| <b>SMP-8 (4 nodes/CPC drawers)</b>                 |             |       |                                                    |
| -                                                  | 00LU550     | AR    | Cable Assembly: SMP 0.90m                          |
| -                                                  | 00LU551     | AR    | Cable Assembly: SMP 1.10m                          |
| <b>SMP-8 (5 nodes/CPC drawers)</b>                 |             |       |                                                    |
| -                                                  | 00LU550     | AR    | Cable Assembly: SMP 0.90m                          |
| -                                                  | 00LU552     | AR    | Cable Assembly: SMP 1.25m                          |
| -                                                  | 00LU553     | AR    | Cable Assembly: SMP 1.5m                           |
| <b>HMC</b>                                         |             |       |                                                    |
| -                                                  | 01PP718     | AR    | Cable assembly: Ethernet Cat 5e w/FT-4 (50ft Long) |
| <b>Ensemble feature</b>                            |             |       |                                                    |
| -                                                  | 01KU230     | AR    | Cable Assembly: Switch #1 P07 to I/O Card          |
| -                                                  | 01KU231     | AR    | Cable Assembly: Switch #2 P08 to I/O Card          |
| <b>Compact Keyboard/Monitor/Mouse (KMM) cables</b> |             |       |                                                    |
| -                                                  | 02EC952     | AR    | Cable Display Port                                 |
| -                                                  | 02EC953     | AR    | Cable USB-2                                        |
| -                                                  | 02EC954     | AR    | USB Type-C M to F                                  |

| Table 14. Cable assemblies (Miscellaneous) (continued) |             |       |                                                |
|--------------------------------------------------------|-------------|-------|------------------------------------------------|
| Index                                                  | Part Number | Units | Description                                    |
| -                                                      | 02EC955     | AR    | Cable Power Input PDP-30 Din                   |
| -                                                      | 02WN958     | AR    | Cable Display Port                             |
| -                                                      | 02WN959     | AR    | Cable USB-2                                    |
| -                                                      | 02WN960     | AR    | Cable Power Input 4FT PDP-30 Din               |
| <b>Field spares - common</b>                           |             |       |                                                |
| -                                                      | 00LU389     | AR    | Cable assembly: E/Net 1.0 m                    |
| -                                                      | 00LU390     | AR    | Cable assembly: E/Net 2.0 m                    |
| -                                                      | 00LU391     | AR    | Cable assembly: E/Net 3.0 m                    |
| <b>Field spares - PDU only</b>                         |             |       |                                                |
| -                                                      | 02EC719     | AR    | Jumper power cord (C19) for PDU / 0.9 m        |
| -                                                      | 02EC731     | AR    | Jumper power cord (SAF-D-Grid) for PDU / 1.9 m |
| -                                                      | 02EC754     | AR    | Jumper power cord (C13) for PDU / 1.5 m        |
| -                                                      | 02EC755     | AR    | Jumper power cord (C13) for PDU / 2.775 m      |
| <b>Field spares - BPA only</b>                         |             |       |                                                |
| -                                                      | 03FM026     | AR    | "Y" UPIC (C19) for BPA                         |
| -                                                      | 03FM109     | AR    | "Y" UPIC (C13) for BPA                         |
| -                                                      | 03FM071     | AR    | "Y" UPIC (SAF-D-Grid) for BPA                  |
| -                                                      | 03FM076     | AR    | UPIC (C13) for BPA / 1.3 m                     |
| <b>FTS for FICON (single-mode)</b>                     |             |       |                                                |
| -                                                      | 45D7165     | AR    | FTS Trunk: 2.0m / 6.6 ft                       |
| -                                                      | 01KU546     | AR    | FTS Tail-Gate Bracket, MTP Holder Asm          |
| <b>Power cord label (dual)</b>                         |             |       |                                                |
| -                                                      | 02WN987     | AR    | Label for Power Cords (PDU and BPA)            |
| <b>Wrap plugs</b>                                      |             |       |                                                |
| -                                                      | 10N7405     | AR    | Wrap Plug: 1GB E/Net (Copper)                  |
| -                                                      | 15R7536     | AR    | Wrap Plug: LC Dual Wrap (Fiber)                |
| <b>Wrap plug for ICA-SR (Coupling)</b>                 |             |       |                                                |
| -                                                      | 74Y0792     | AR    | Wrap Plug: 24 pos MTP Wrap (Fiber)             |
| <b>Wrap plug for Coupling Express LR (Coupling)</b>    |             |       |                                                |
| -                                                      | 12R9544     | AR    | Fiber Optic assembly: SM LC to LC (2.0m)       |



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## Appendix A. Notices

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### **Federal Communications Commission (FCC) Statement**

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Industry Canada Compliance Statement**

This Class A digital apparatus complies with Canadian ICES-003.

### **Avis de conformité à la réglementation d'Industrie Canada**

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

### **European Community Compliance Statement**

This product is in conformity with the protection requirements of EU Council Directive 2014/30/EU on the approximation of the laws of the Member States relating to electromagnetic compatibility. IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to European Standard EN 55032. The limits for Class A equipment were derived for commercial and industrial environments to provide reasonable protection against interference with licensed communication equipment.

European Community contact:  
IBM Deutschland GmbH

Technical Regulations, Department M372  
IBM-Allee 1, 71139 Ehningen, Germany  
Tele: +49 (0) 800 225 5423 or +49 (0) 180 331 3233  
email: halloibm@de.ibm.com

**Warning:** This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

#### VCCI Statement - Japan

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用する  
と電波妨害を引き起こすことがあります。この場合には使用者が適切な対策  
を講ずるよう要求されることがあります。  
VCCI-A

The following is a summary of the Japanese VCCI statement above:

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#### Japan JIS C 61000-3-2 Compliance

(一社) 電子情報技術産業協会 高調波電流抑制対策実施  
要領に基づく定格入力電力値： Knowledge Centerの各製品の  
仕様ページ参照

For products less than or equal to 20 A per phase, the following statement applies:

高調波電流規格 JIS C 61000-3-2 適合品

For products greater than 20 A, single-phase, the following statements apply:

高調波電流規格 JIS C 61000-3-2 準用品

本装置は、「高圧又は特別高圧で受電する需要家の高調波抑制対  
策ガイドライン」対象機器（高調波発生機器）です。

回路分類：6（単相、P F C回路付）

換算係数：0

For products greater than 20 A per phase, three-phase, the following statements apply:

高調波電流規格 JIS C 61000-3-2 準用品

本装置は、「高圧又は特別高圧で受電する需要家の高調波抑制対  
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回路分類：5（3相、P F C回路付）

換算係数：0

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**声 明**

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在这种情况下,可能需要用户对其  
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居住的環境中使用時，可  
能會造成射頻干擾，在這  
種情況下，使用者會被要  
求採取某些適當的對策。

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**IBM Taiwan Contact Information:**

台灣IBM 產品服務聯絡方式：  
台灣國際商業機器股份有限公司  
台北市松仁路7號3樓  
電話：0800-016-888

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Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:  
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New Orchard Road  
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Tel: +49 (0) 800 225 5423 or +49 (0) 180 331 3233  
email: halloibm@de.ibm.com

Generelle Informationen:

**Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55032 Klasse A.**

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