



Dismantling Guide

OPNs MIS5022Q-1BFR, MIS5022Q-1BRR
Rev. 1.0



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Revision

Table 1: Revision History

Revision	Date
1.0	January 2011

Preface

This manual is intended as a reference for dismantling MIS 5022 switch systems in preparation of meeting the requirements of WEEE recycling. Intended Audience

This manual is intended for technicians who dismantle the switch systems as a reference for WEEE recyclers.

Mellanox Technologies emphasizes the importance of carefully following all procedures described in this guide to prevent personal injury.

Switch OPNs

This document is valid for all of the switch OPNs listed in Table 2.

Table 2: Switch OPNs for this Procedure

MIS5022Q-1BFR MIS5022Q-1BRR

Policy Statement

Mellanox Technologies recognizes the importance of developing connectivity solutions that not only enable our customers to optimize their data centers performance, but also protect the environment and ensure that future generations enjoy its bounties. Mellanox Technologies is committed, therefore, to meeting the requirements of the European Union's WEEE (waste electrical and electronic equipment) directive. The directive mandates how the materials used in electrical and electronic equipment must be disposed of.

Mellanox Technologies has worked closely with its suppliers to eliminate hazardous materials from its Products. There are instances, however, where it has not proven possible to completely eliminate all hazardous materials. Consequently, all applicable products are labeled with a crossed out "wheelie" bin symbol, indicating that special care must be applied to their disposal and / or recycling.

1 Dismantling Instructions

This guide provides detailed instructions for dismantling the Mellanox InfiniBand switch systems. Follow the instructions in the order they are presented.

1.1 InfiniBand Switch Systems - General

The InfiniBand switch system complies with the RoHS directive under the exemption known as RoHS-6.

The last digit of the product part number represents the RoHS type.

For example

MIS5022Q-1BRR — the last R = RoHS-6

InfiniBand switch system systems are comprised of:

- Cover
- Power Supply Unit (PSU)
- Harnesses
- Fan unit
- Main Board

1.2 General Preparations

The InfiniBand switch system is assembled using Philips screws, and handles with snap in latches for modules.

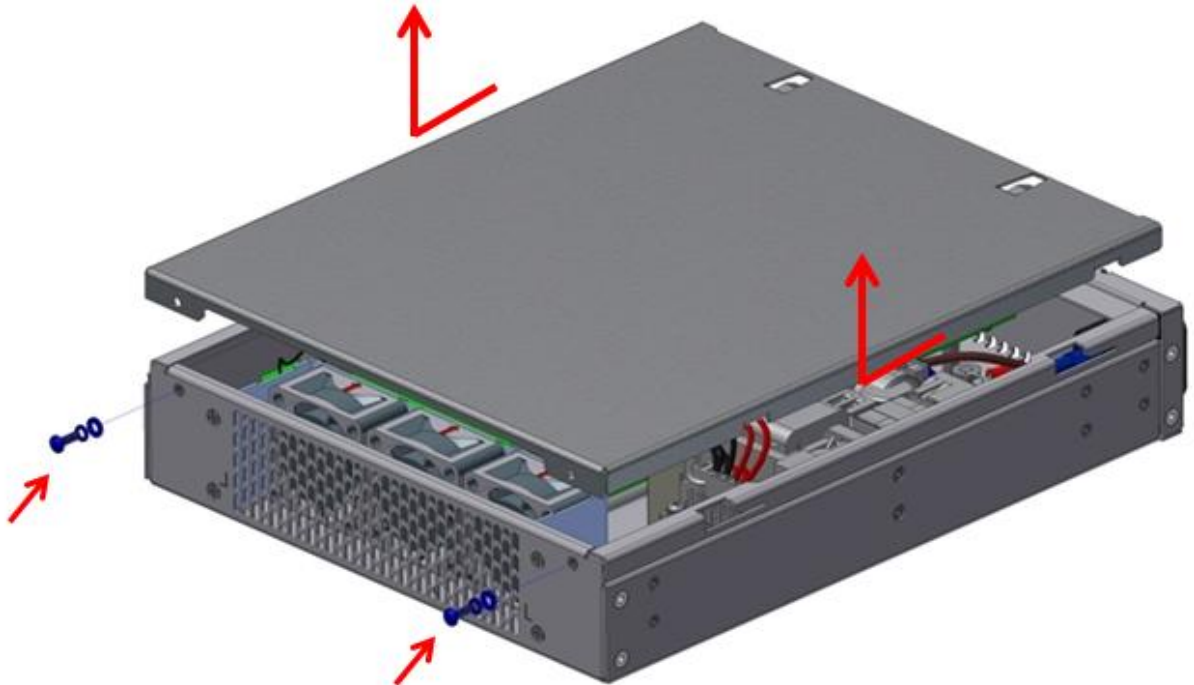
To disassemble the InfiniBand switch system you will need a small Philips screwdriver.

The pictures displayed in the following pages provide visual guidance explaining how to remove the modules from the mechanical base.

1.3 Cover

1. Unscrew the rear-side screws, and slide the cover to the back for opening it.
2. Slide the top to the rear and lift off.

Figure 1 Remove the Cover



1.4 Extracting the Power Supply Unit

The power Supply unit is located on the side of the switch unit next to the main board.

Figure 2 PSU Location



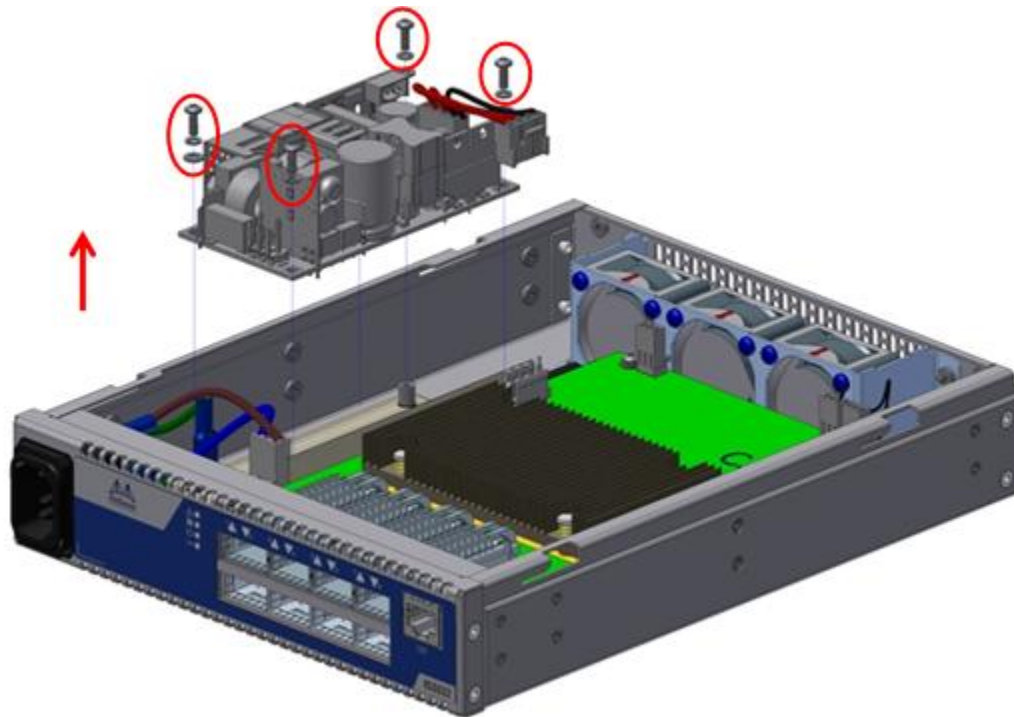
1. Disconnect the 3 harness connectors from the main board, the inlet and the ground.

Figure 3 Harness Location for PSU



2. Disassemble the 4 screws & washers attaching the power supply to the mechanical base.

Figure 4 Remove the Power Supply Unit from the Switch



1.5 Extracting the Fan Unit

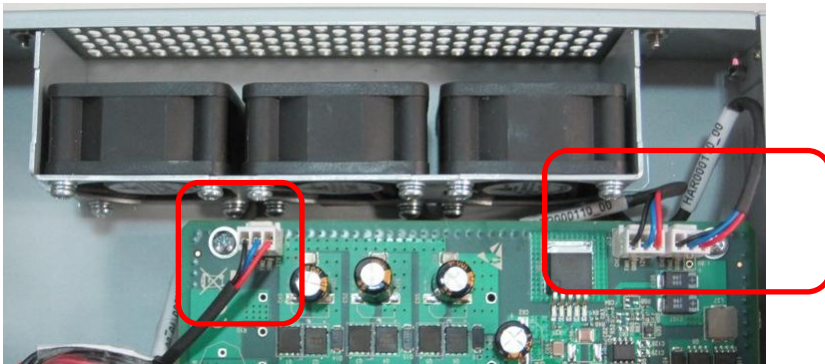
The Fan unit is located in the rear of the system.

Figure 5 Fan Location



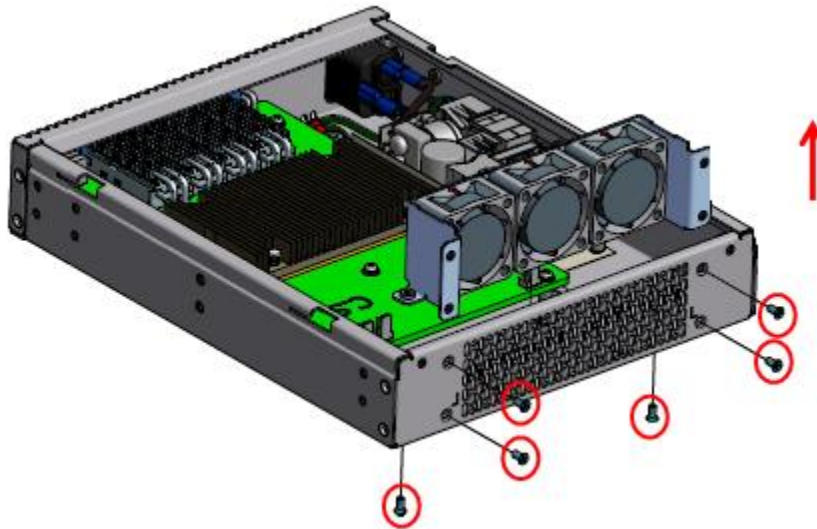
1. Disconnect the 3 harnesses from the fan unit to the board.

Figure 6 Fan Harness Locations



2. Disassemble the 2 screws attaching the Fan wall to the bottom of the mechanical enclosure base.
3. Disassemble the 4 screws attaching the Fan wall to the rear of the mechanical base.

Figure 7 Remove Fan Module

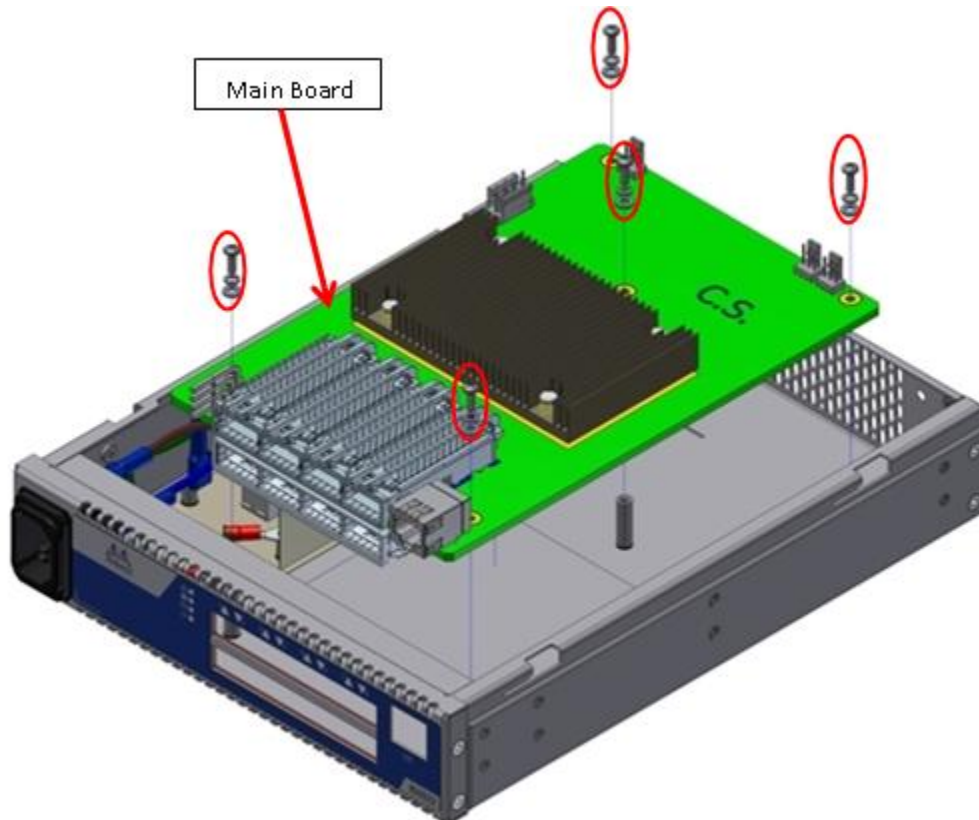


4. Remove the fan unit.

1.6 Extracting the Board

1. Disassemble the 5 screws and washers attaching the main board to the mechanical base.

Figure 8 Board Screw Locations



2. Remove the Main board.

3. Unscrew the Heat-sink screws to remove the Heat-sink.

Figure 9 Remove Heat Sink

