

Rev.	ECO	Description	Author	Approved	Date
A		Initial Release	B. Klatt	W. Mayer	12/21/93
B		General Revision			
C		General Editorial Update	B. Klatt	M. Bautz	07/16/14

Massachusetts Institute of Technology
Kavli Institute for Astrophysics and Space
Research (MKI)

Connector Mating and Demating Procedures

Dwg. No. 99-03002
 Revision C
 May 16, 2014

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Preface

Revision A was the Initial Release of 99-03002 written by Brian Klatt 12/20/93 and checked by W. F. Mayer on 12/21/93.

Revision B issued a general revision.

Revision C issued a new format and general editorial update on 07/16/14.

1.0 **Introduction**

This procedure provides specific instructions for the mating and demating of flight connectors at MKI.

2.0 **Scope**

This procedure applies to all flight connectors, including electrical and fiber optic.

3.0 **General**

Connector savers shall be used, when available, on flight connectors, when more than two (2) mate/demate cycles are likely.

4.0 **Procedure**

1. Electrostatic protection procedures shall be observed as applicable.
2. Persons mating and demating flight connectors must understand the mechanical mating/demating method of the specific connector before starting the actual mating or demating process.
3. Each half of each flight connector shall be examined for cleanliness, particulate contamination, and alignment before mating.
4. Dust caps must be used on all flight connectors and connector savers when the connector is not mated. Insure that the dust cap is clean, both inside and outside. Store unused dust caps for flight connectors in a clean zip-lock bag.
5. Each mate and each demate of a flight connector shall be recorded in the mate/demate log. This applies to connectors inside the equipment as well as external connectors. This also applies when flight connectors are mated with and demated from connector savers as well as other flight connectors.

5.0 **Forms**

Below is the Mate/Demate Log to be used as a record of connector activity.

Connector Mate/Demate Log

Project:

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Assembly Name:	Drawing Number:	Build To Rev.	Assembly Serial Number:
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	CONN #	DATE												
	M													
	D													
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