

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002528**

Issue **Draft**

Sub System **JFETS**

Date **25-Oct-05**

Model **PFM**

INCOMING INSPECTION REPORT

FROM
JPL Los Angeles, USA

TO
Project Rutherford Appleton Laboratory Space Science and Technology Department Chilton DIDCOT OXON OX11 0QX

Applicable sections	
Containers	Yes
External Visual Inspection	Yes
External Connector	Yes
Documentation	Yes
Verification of Interfaces	Yes
Extra Comments Sheets	Yes

Drawings / Documents Attached
Photo's Attached

INSPECTION CONDUCTED BY

WITNESS BY

NAME
Eric Clark (PA)

DATE
25/10/2005

NAME
John Baker from JPL

DATE
25/10/2005

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CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions		Checked
Security / Locking Fitted	QA Seals/Security Labels not fitted to case With Sn 20 & 25	See Remarks
Markings for destination and description		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments	Delivered by Hand Two JFETS per case: Case 1 with Sn 20 & 25 delivered by Jason, And Case 2 with Sn 21 & 24 Delivered by John	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required		Checked
Mounting provisions secure		Checked
Any additional Comments		None

ENVIROMENTAL MONITORS								
Temp Monitors		Humidity Monitors		Shock Sensors Triggerd Information				
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="No"/>	5g	10g	15g	20g	50g
Condition:	<input type="text"/>	Condition:	<input type="text"/>	X Axis	OK	OK	OK	OK
				Y Axis	OK	OK	OK	OK
				Z Axis	N/F	N/F	N/F	N/F

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
Instrument label		Correct
Note status of external contamination	See Extra Comments Sheet	See Remarks
Degradation of paintwork or Coating?	SN 20 Srtaches and Brown discolouration on Front Panel. SN 21 Srtaches and Brown discolouration on Front Panel SN 24 Scrathes around Front of Face Plate Mounting Holes SN 25 Slight Scrathes around Front of Face Plate Mounting Holes.Panel.	See Remarks
Fasteners correctly locked?		Correct
Check protective covers are correctly labelled and fitted?		Correct
Additional Comments	Note SN 25 was dropped approximately 1.5 inches on to bench top during inspection, no apparent physical damage occurred	See Remarks

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)				RESULTS
Ser No JFET	20	21	24	25	
Pin Alignment	OK	OK	OK	OK	Pass
Damaged Sockets	None	None	None	None	Pass
Internal Debris	OK	See Extra Comments	See Extra Comments	OK	See remark
Connector Covers fitted	OK	OK	OK	OK	Pass
Connector Savers Fitted	Correct	Correct	Correct	Correct	Pass
EMC Covers Fitted	N/A	N/A	N/A	N/A	N/A
RED Tag Item / Green Tag Items fitted	N/A	N/A	N/A	N/A	N/A
Additional Comments					

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack	HRCR to Follow	
Transportaion Documents	Delivered by Hand	Yes
Packing un- Packing instructions	JPL Rep present when unpacked	No
Additional Comments	Electrical test verification to follow. . Mechanical incoming dimension check to follow: Will be attached to this report when issued	

Verification of Interfaces

Mechanical interface: dimensions specified in the interface control documents such as mass, flatness of surfaces, location of fixing holes and overall dimensions should be measured accurately and recorded. Record Test Report Number, or confirm that measurement result is included in delivery documentation, (EIDP).

INSPECTION / TEST REPORT NUMBER	CHECKED N/A for this inspection
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Electrical interfaces: verifying the location and types of connectors against interface control document is normally carried as part of mechanical verification, confirm this has been done. Functional testing: final functional test report number should be noted.

INSPECTION / TEST REPORT NUMBER	CHECKED N/A for this inspection
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EXTRA COMMENT SHEET

JFET SN	Comments
20	None
21	Silver coloured Debris close to second pin bottom row of bottom Right Hand connector Saver. (Unable to photograph it.)
24	Debris on one Connector saver (above "JFET" Marked on Face Plate) when cover removed, Debris removed By RAL One Tie wrap Loose See Photo. No action taken as harnes is removed when integrated into JFET Rack.
25	was dropped approximately 1.5 inches on to bench top during inspection, no apparent physical damage occurred

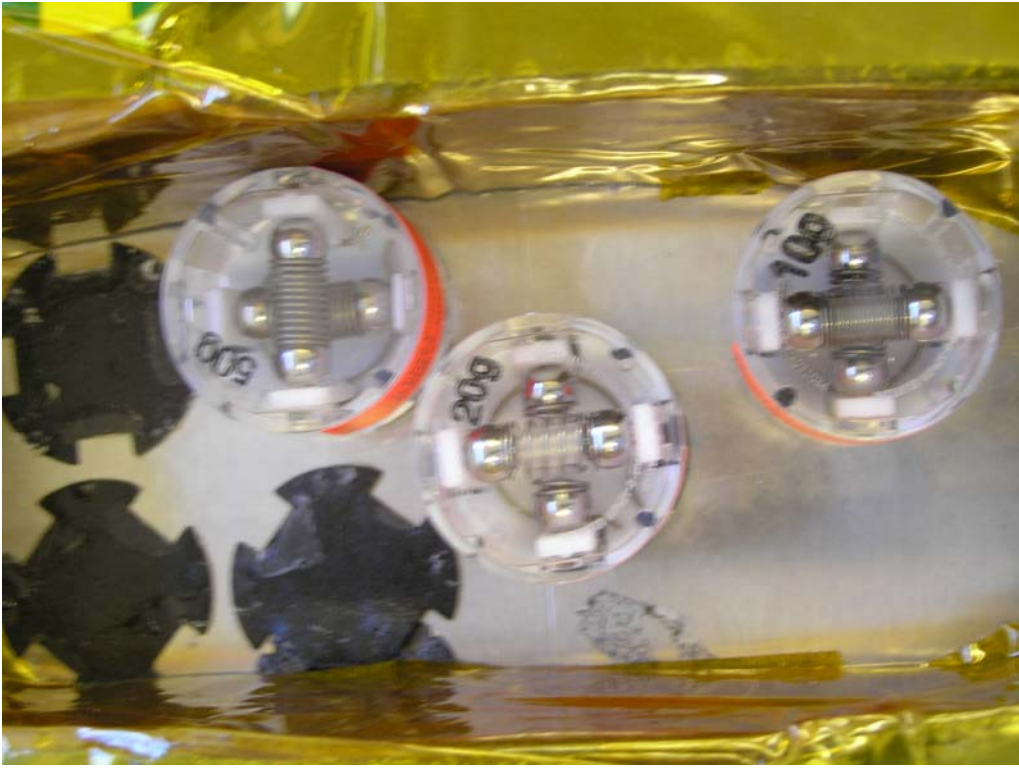
Note.

Mass and dimensions measured 01/11/05 not performed at the original incoming inspection on the 25/10/05

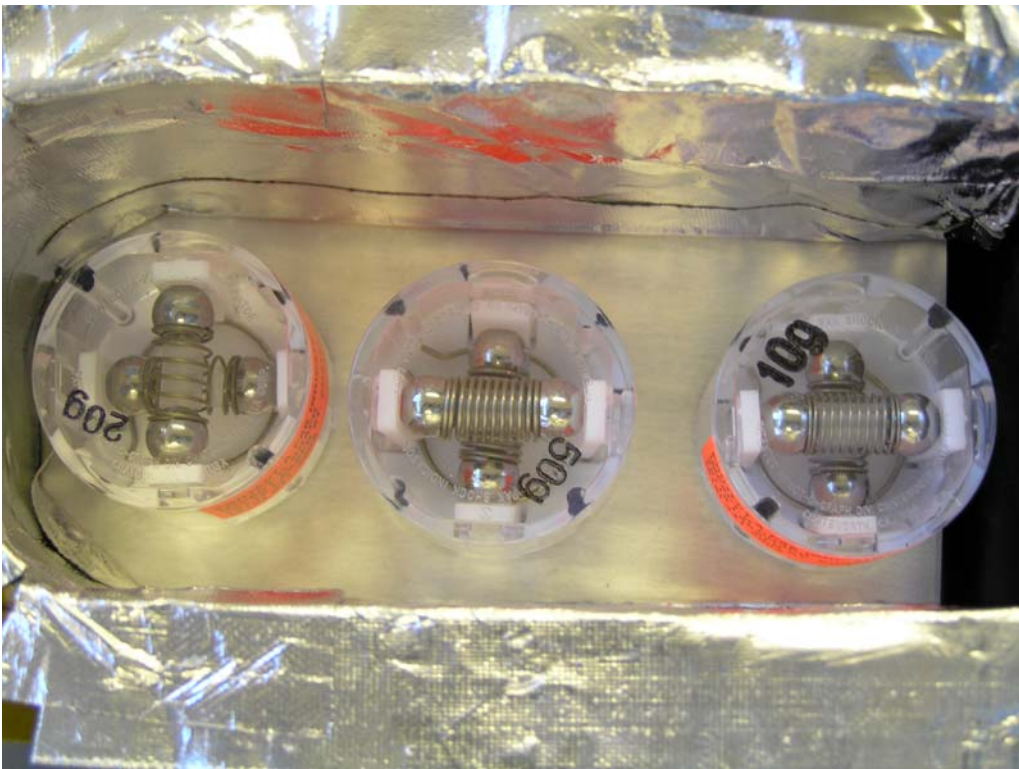
SN	Mass gm	Comments	Measured Dimension in mm			
			LEFT Side	RIGHT Side	Left Flange	Right Flange
20	350	With Harness, savers and covers fitted	87.89	87.89	1.03	1.03
21		With Harness, savers and covers fitted				
24	344	With Harness, savers and covers fitted	87.95	87.93	1.03	1.03
25	353	With Harness, savers and covers fitted	87.93	87.94	1.03	1.03
			Viewed from front (SN End) with SN readable			
21		Returned to JPL before above measurements could be made.				

Shock Monitors

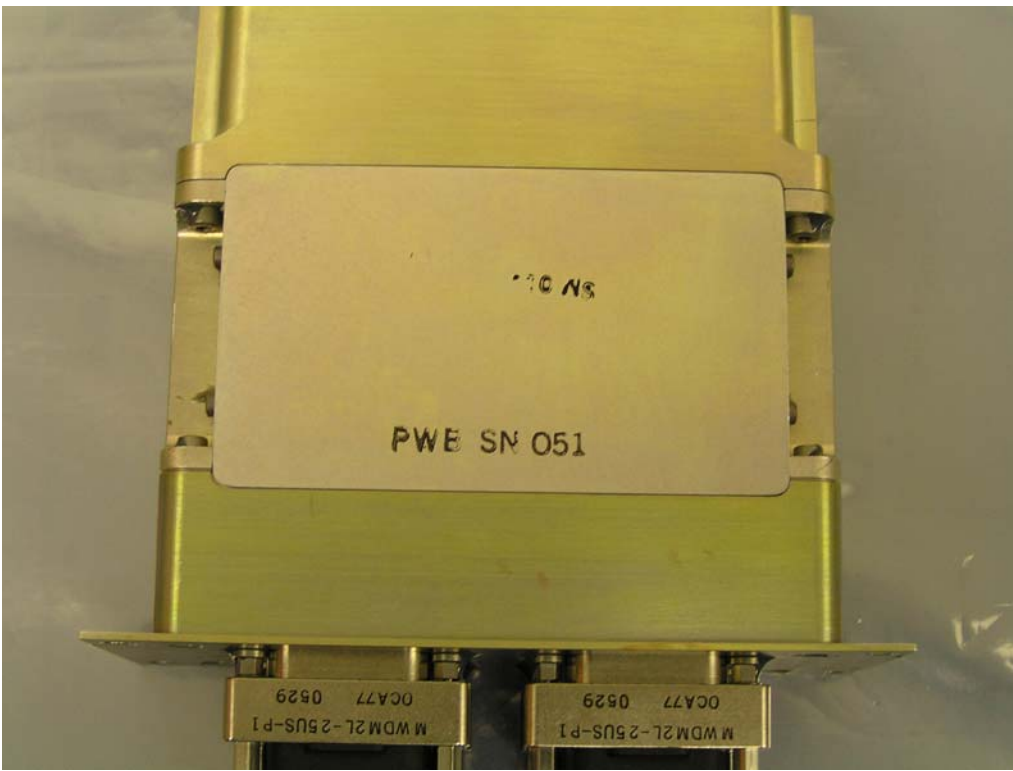
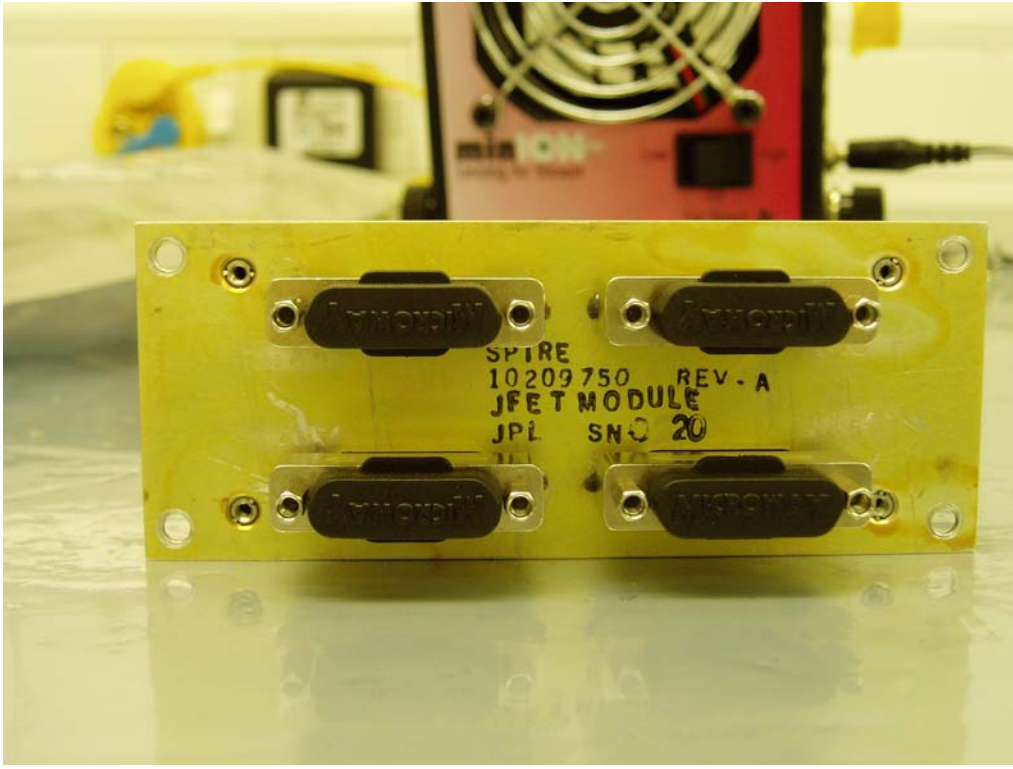
JFET's SN 21 & 24



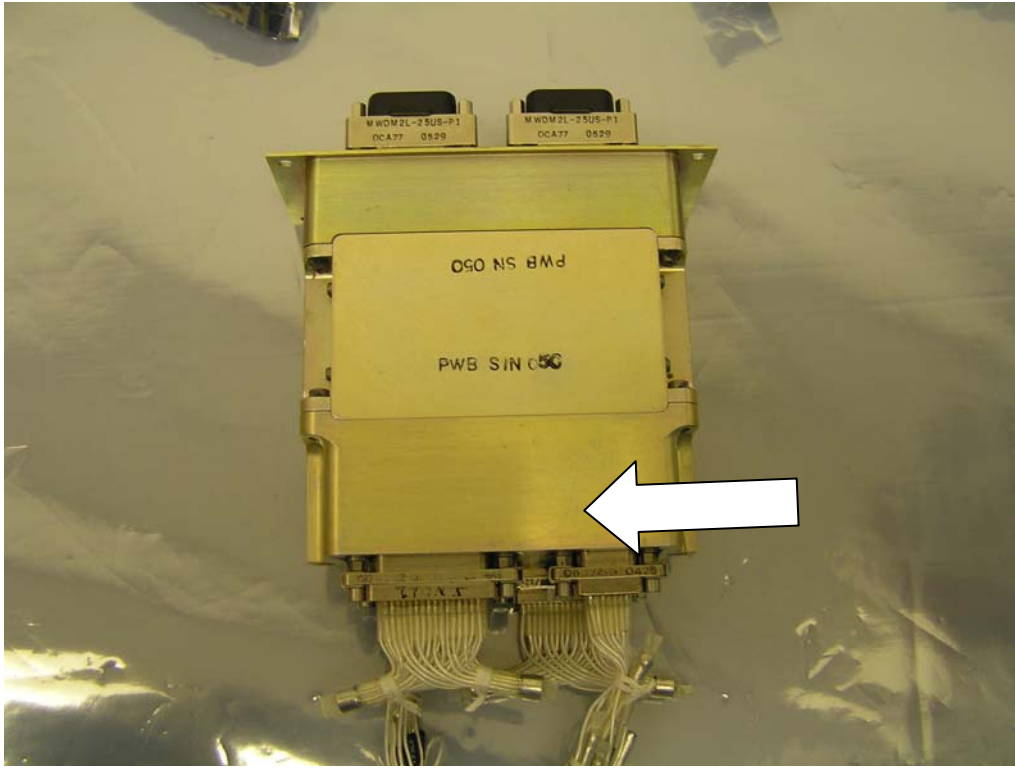
JFET's SN 20 & 25



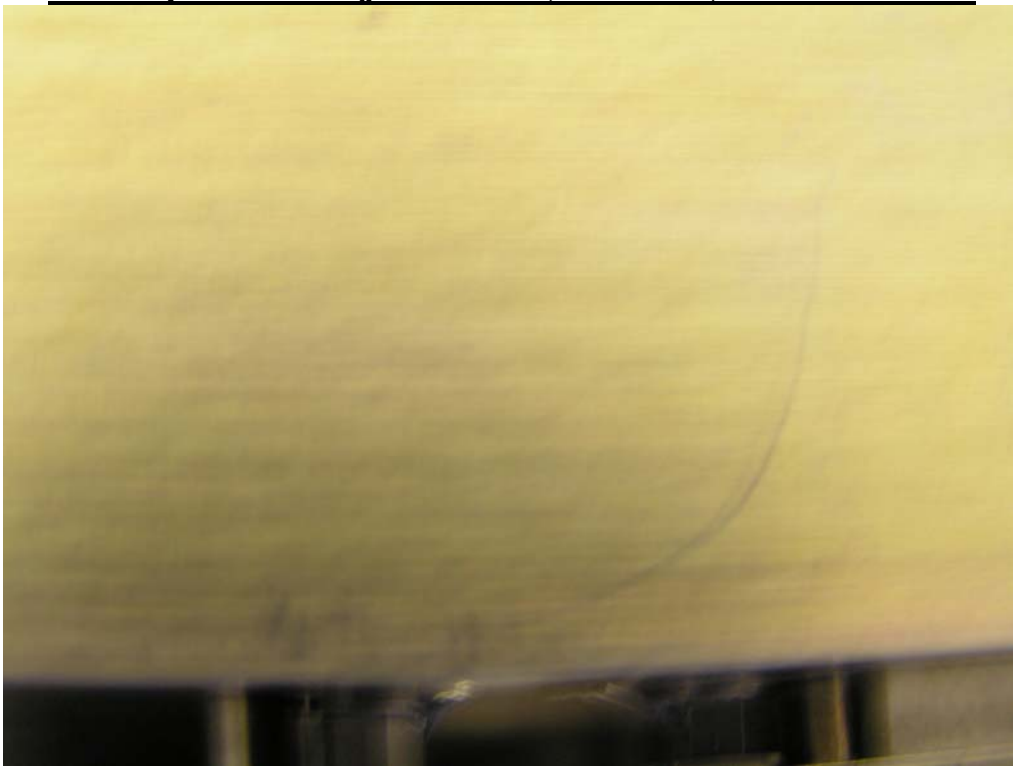
JFET SN 20



JFET SN 20



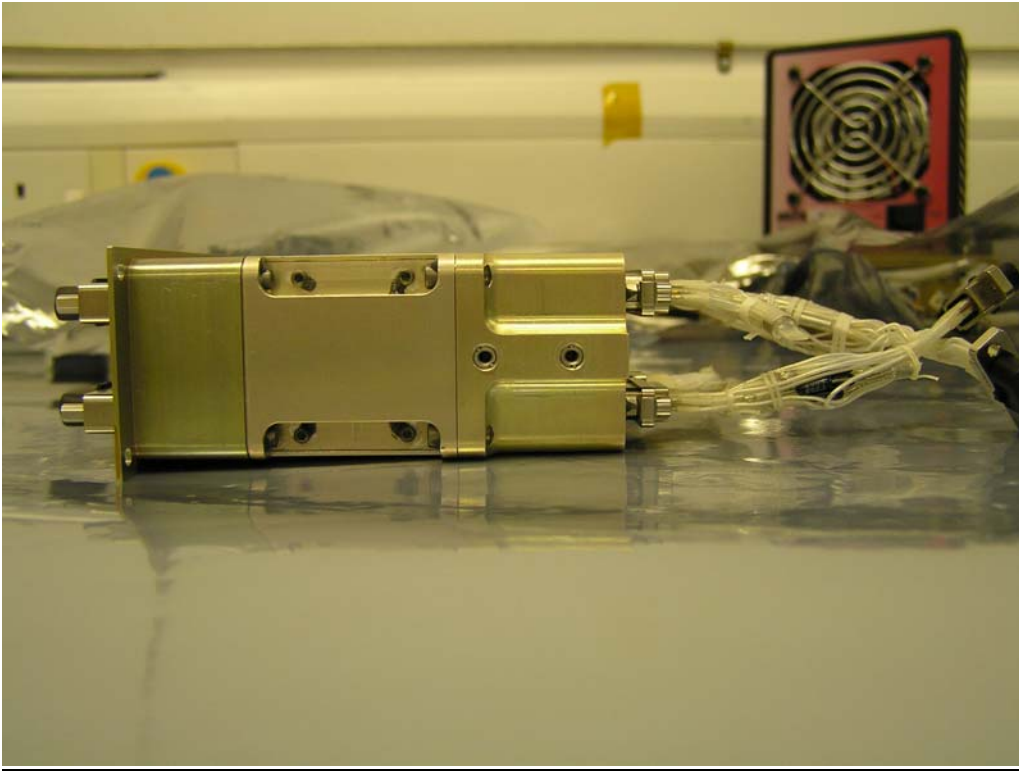
Close up of scratch just visible (see arrow) on above Photo



JFET SN 20



JFET SN 20

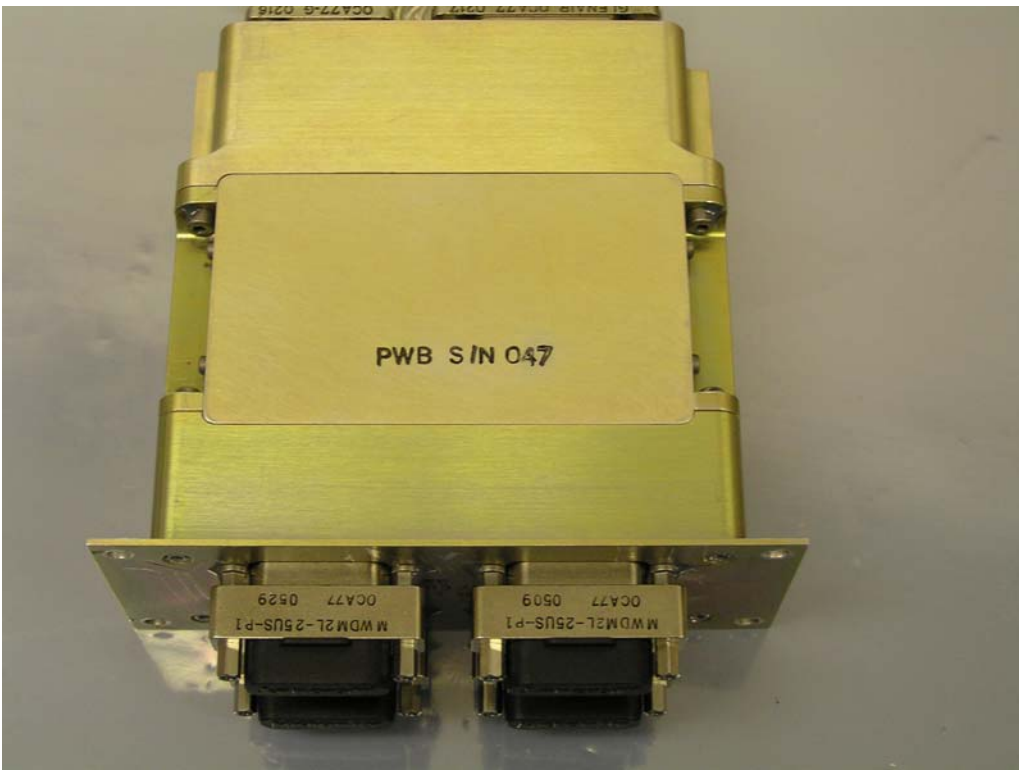
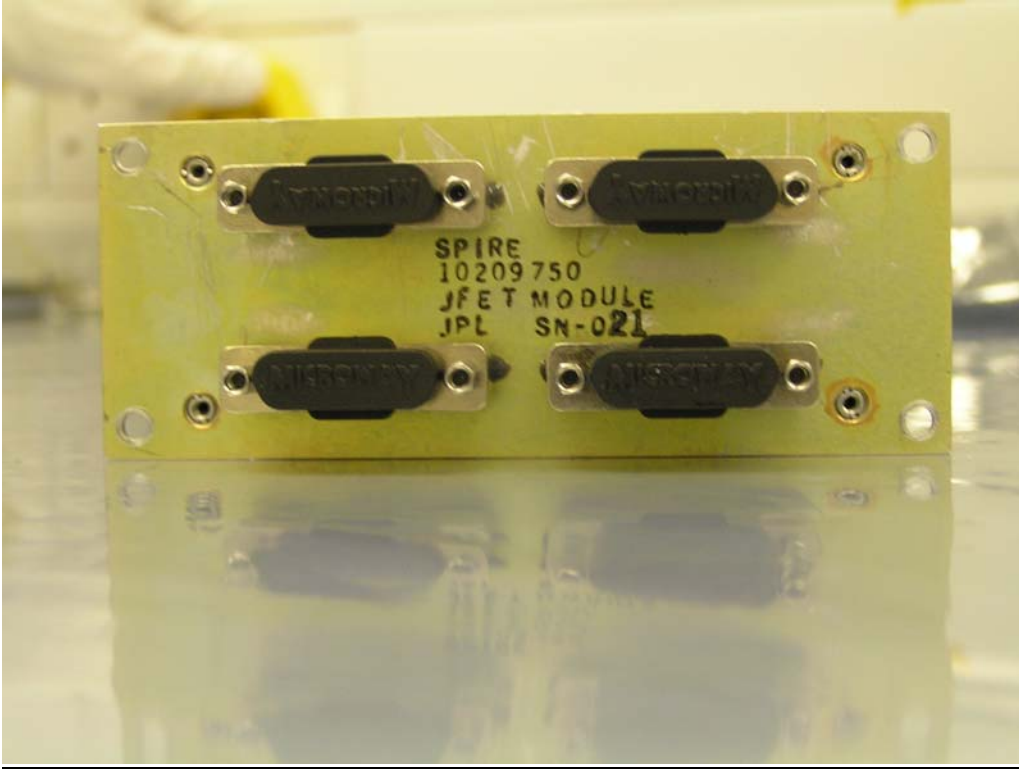


Marks, Scratches and brown staining on Face Plate

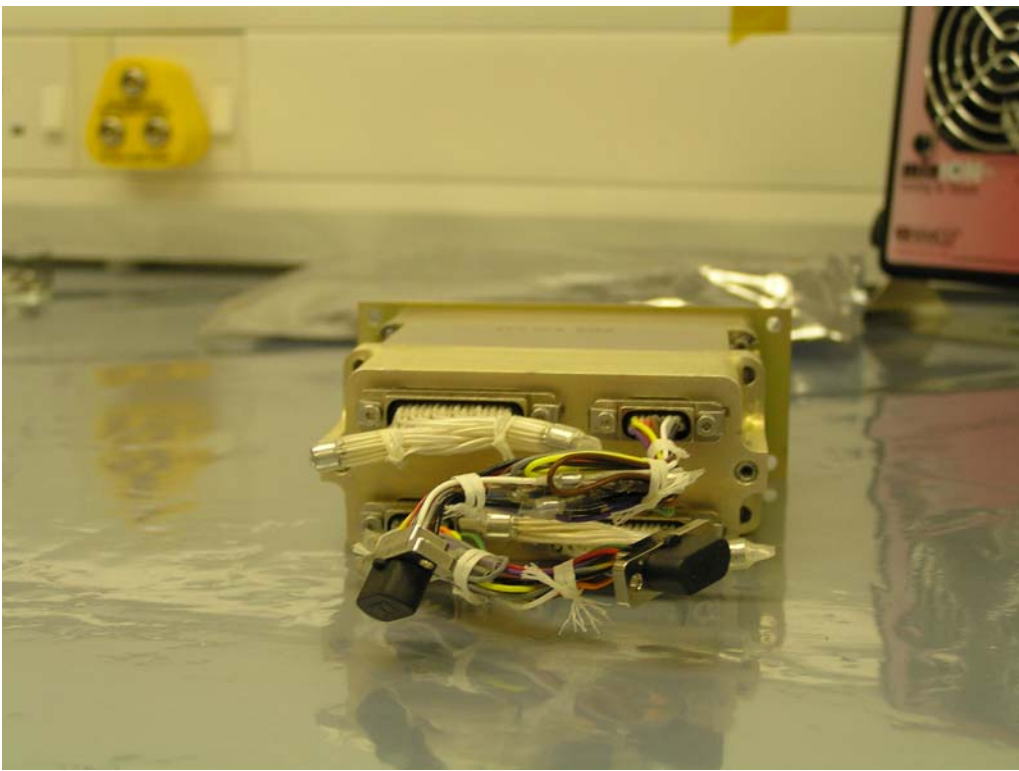
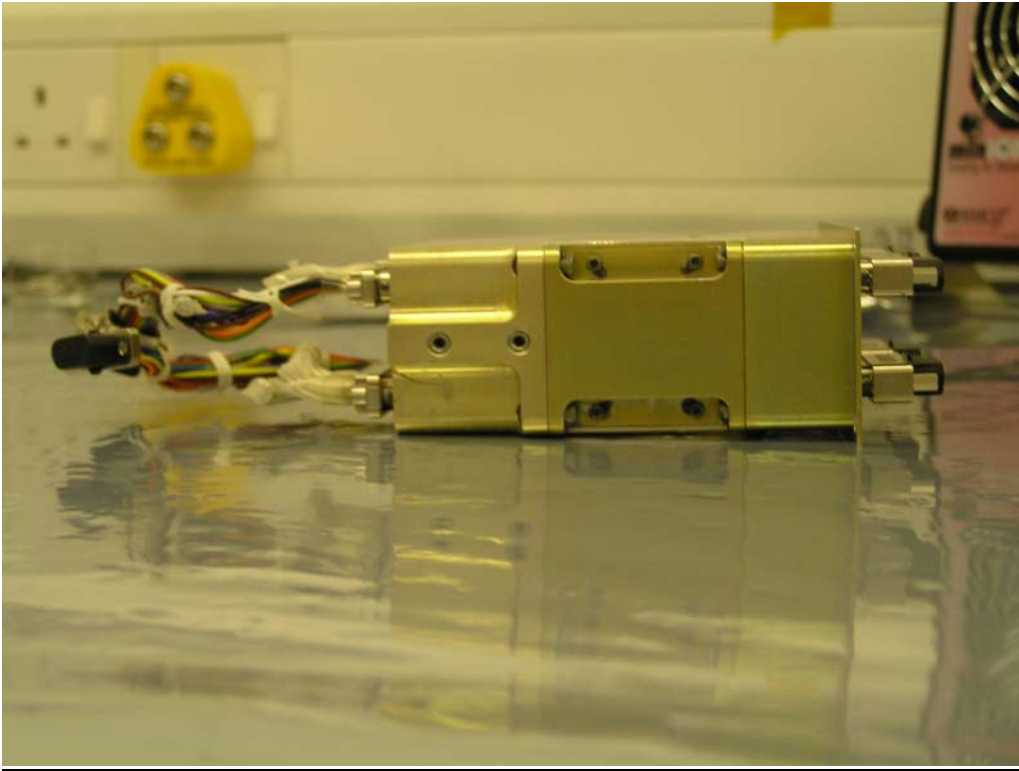


JFET SN 21

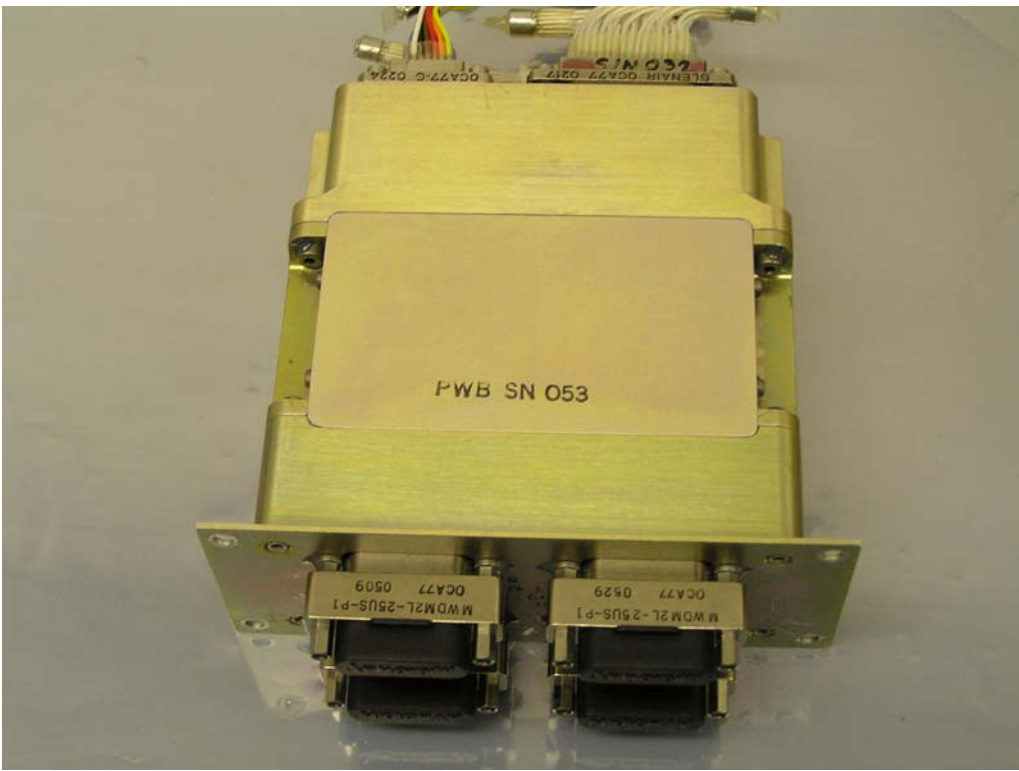
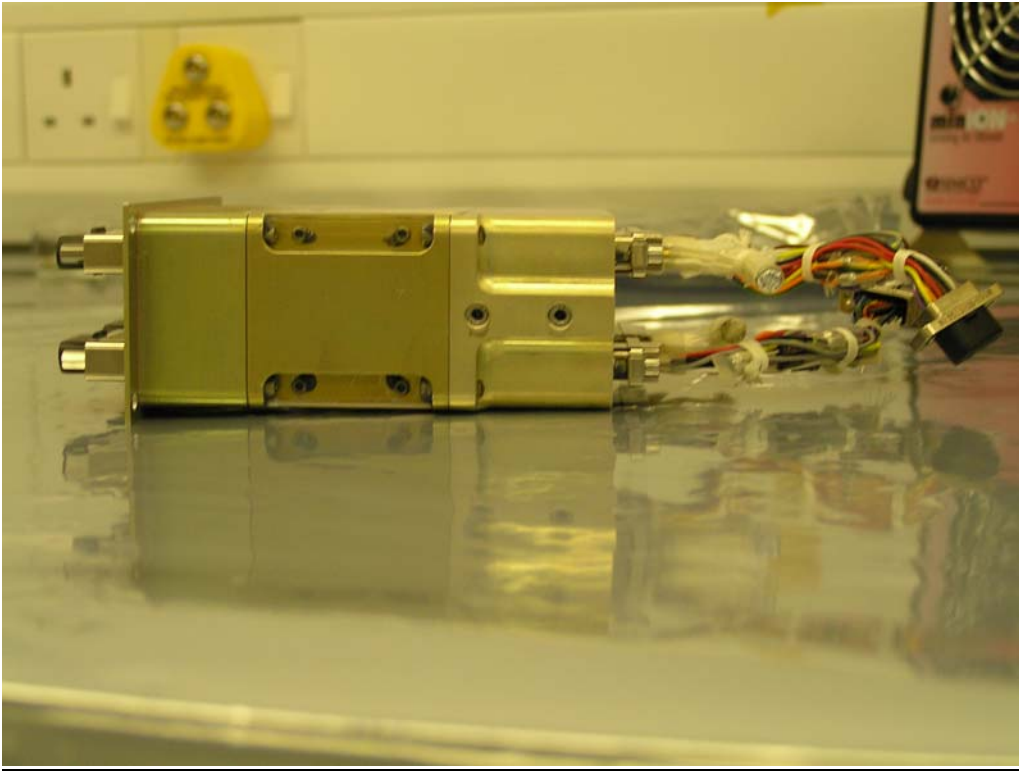
Marks, Scratches and brown staining on Face Plate



JFET SN 21

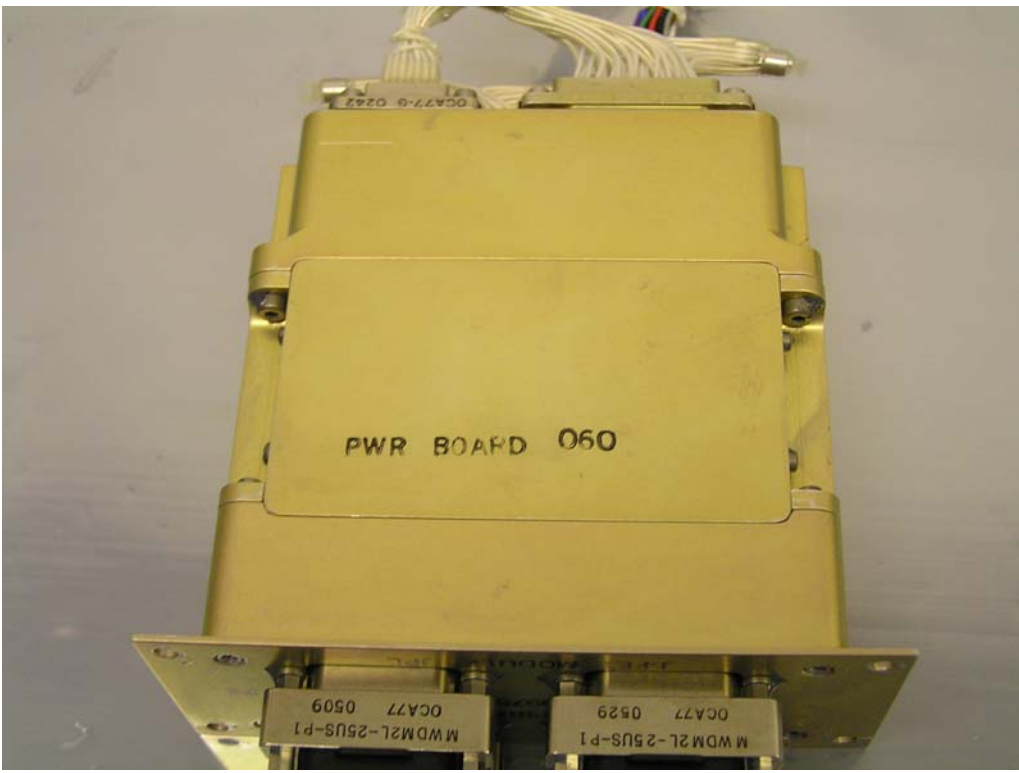


JFET SN 21

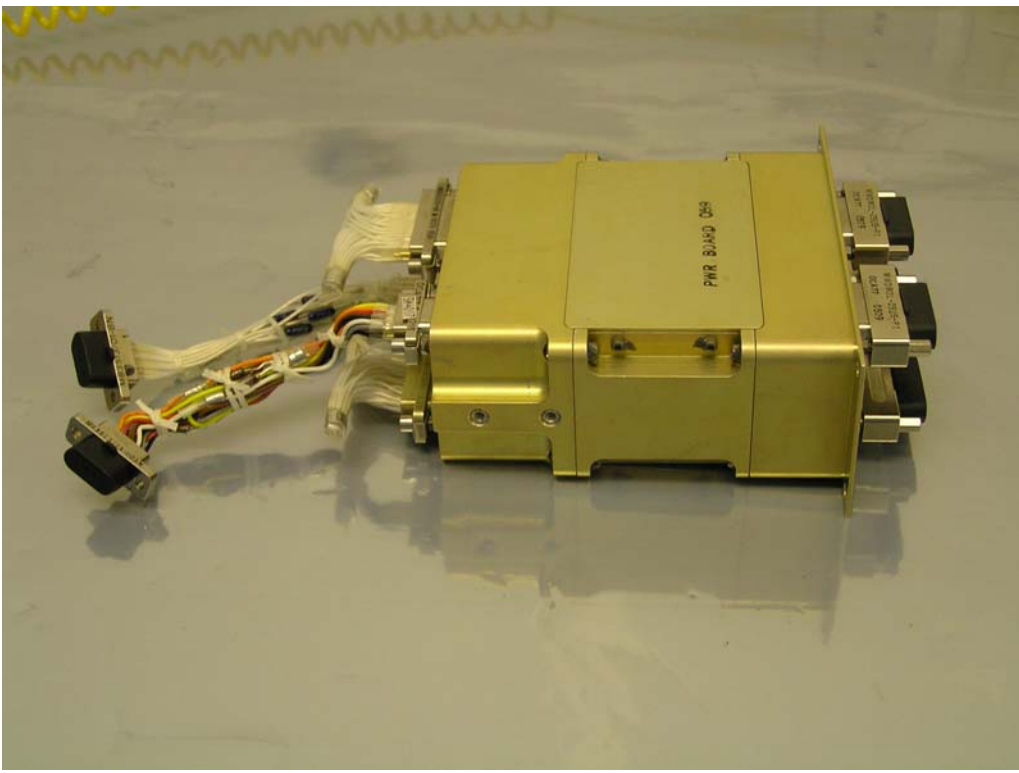


JFET SN 24

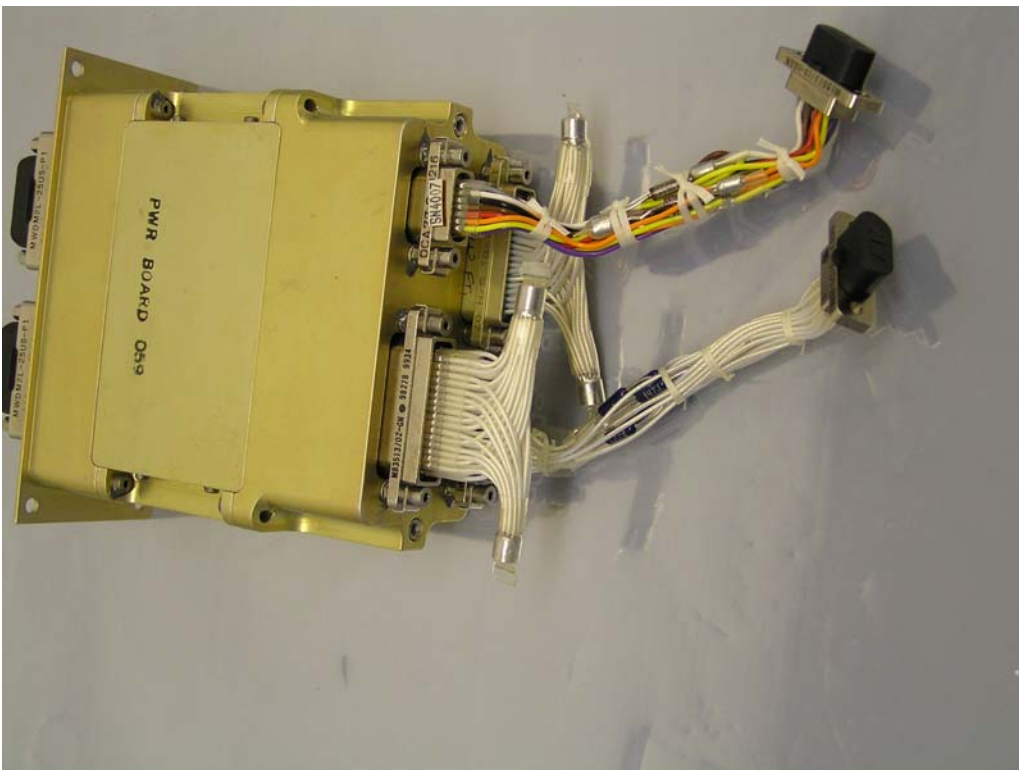
Some scratching around Fixing holes



JFET SN 24

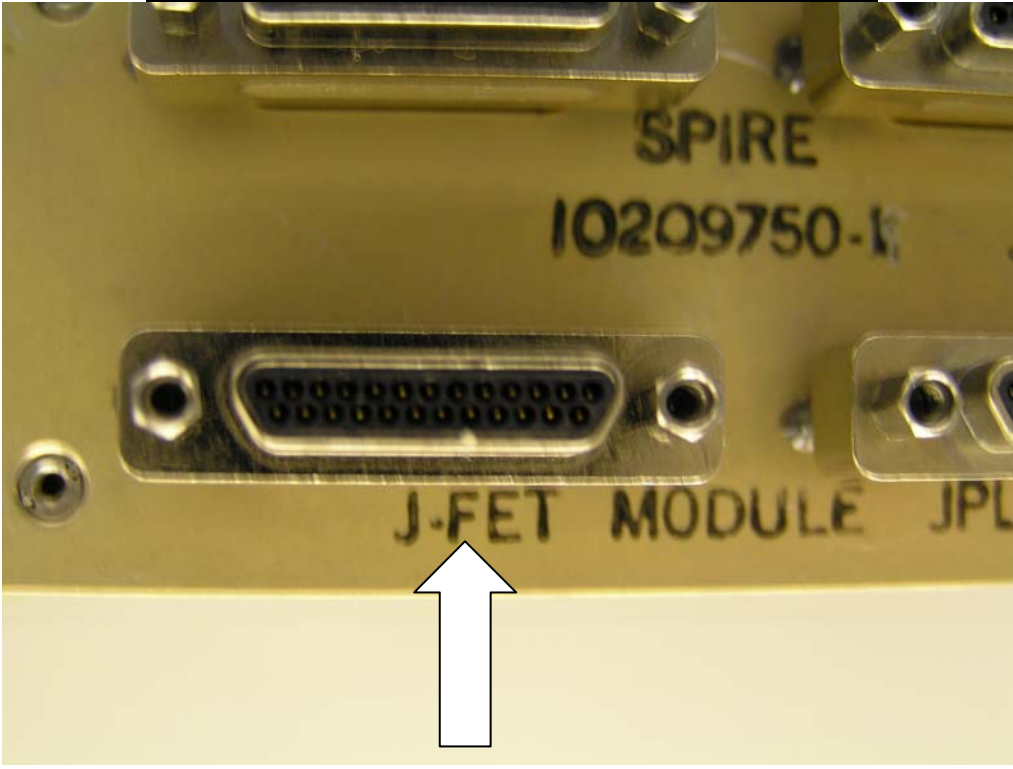


JFET SN 24

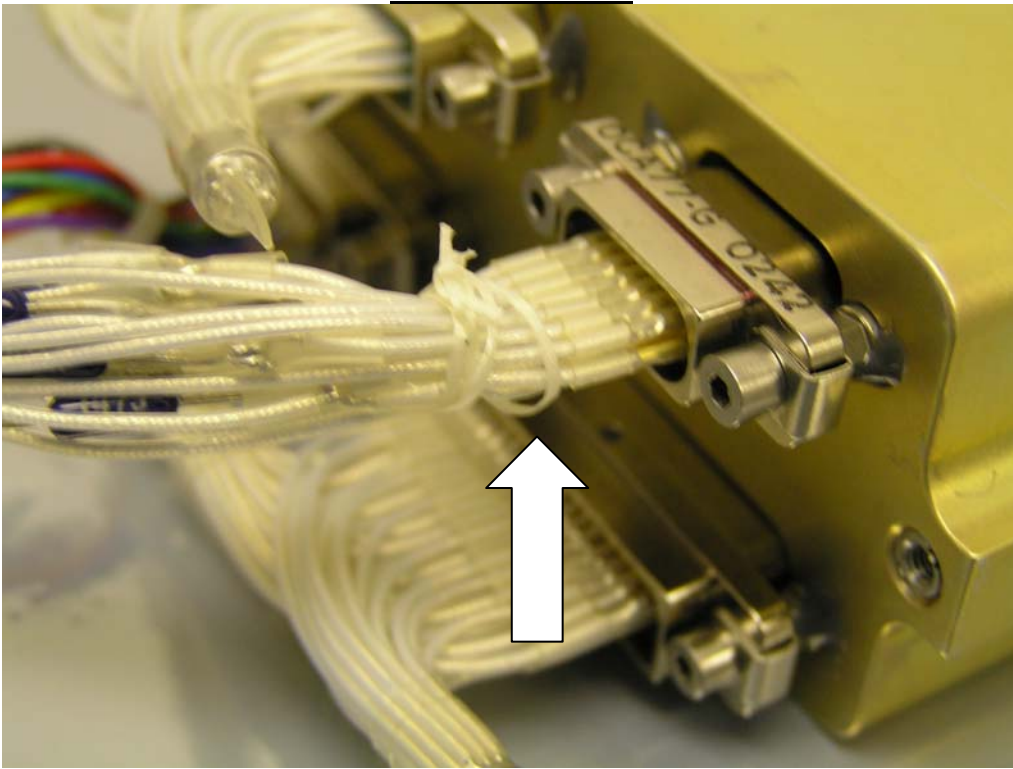


JFET SN 24

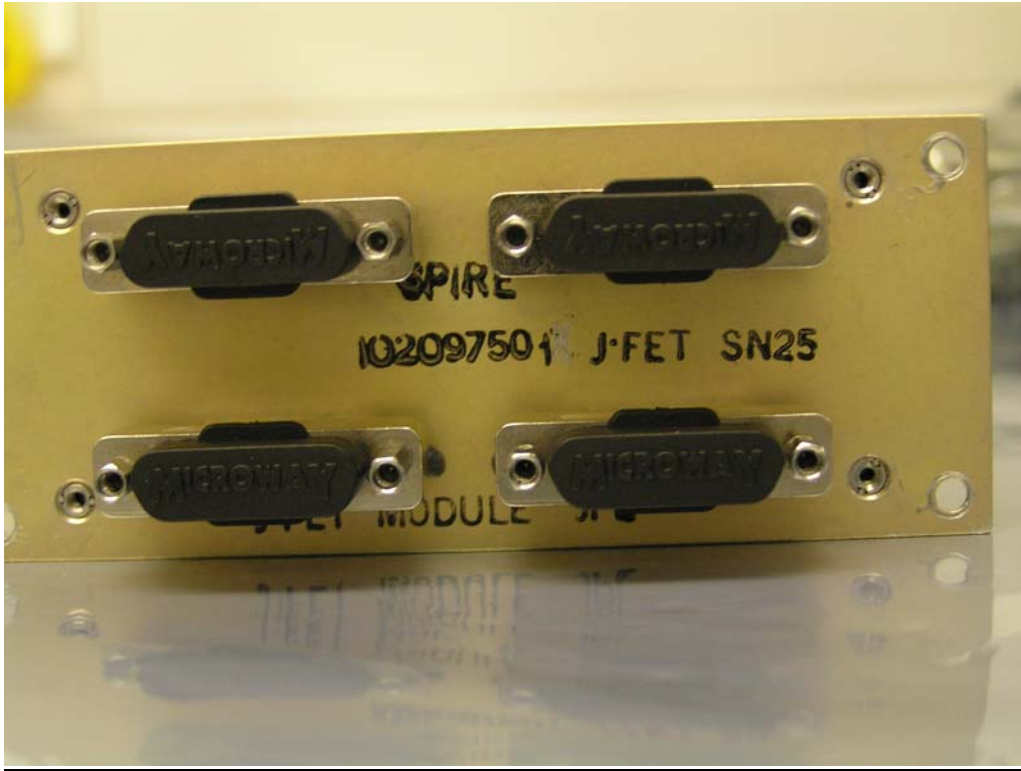
White Flake of Debris on connector see arrow



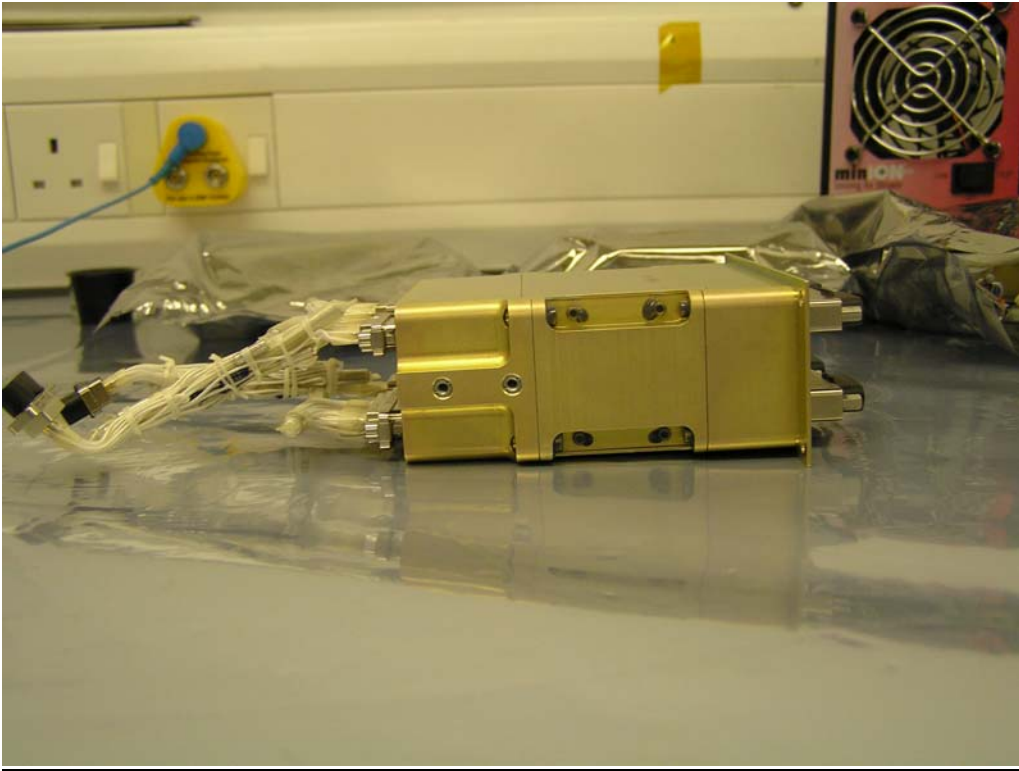
Cable Tie loose



JFET SN 25



JFET SN 25



JFET SN 25

