

SSTD Incoming Inspection Report

Spacecraft/Project **HERSCHEL / SPIRE**

Document Number **SPIRE-RAL-REP- 002594**

Issue **2**

Sub System **Photo/Spect Harnesses**

Date **21/03/2006** **15 Sep 06**

Model **PFM**

INCOMING INSPECTION REPORT

FROM	
Tekdata	
Roy Blake, TEKDATA, Westport house, Federation Road, Burslem, Stoke, ST6 4HY	

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

Applicable sections	
Containers	No
External Visual Inspection	Yes
External Connector	Yes
Documentation	Yes
Verification of Interfaccs	No
Extra Comments Sheets	Yes

Drawings / Documents Attached	
Photo Attached	
v2 Electrical Tests Added	

INSPECTION CONDUCTED BY

NAME
Eric Clark (PA)

DATE
21/03/2006 15 Sep 06

WITNESS BY

NAME
Eric Clark (PA)

DATE
21/03/2006 15 Sep 06

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CONTAINER INSPECTION

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or handling provisions		See Remarks
Security / Locking Fitted		See Remarks
Markings for destination and description		See Remarks
Warning labels relating to handling lifting and stacking limits		See Remarks
Any additional Comments	Harnesses Delivered by Hand unable to inspect container	See Remarks

TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		See Remarks
Internal padding / packaging required	In plastic Bags and Bubble wrapped	See Remarks
Mounting provisions secure		See Remarks
Any additional Comments	Harnesses Delivered by Hand unable to inspect container no environmental monitors fitted	See Remarks

ENVIROMENTAL MONITORS					
<u>Temp Monitors</u>		<u>Humidity Monitors</u>		<u>Shock Sensors Triggerd Information</u>	
Fitted:	<input type="text" value="No"/>	Fitted:	<input type="text" value="No"/>	5g	10g
Condition:	<input type="text"/>	Condition:	<input type="text"/>	15g	25g
				50g	
				X Axis	Y Axis
				Z Axis	

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INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
Instrument label		Correct
Note status of external contamination	Items are delivered in an unclean state	N/A
Degradation of paintwork or Coating?		N/A
Fasteners correctly locked?		N/A
Check protective covers are correctly labelled and fitted?		N/A
Additional Comments		None

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INSPECTION OF ALL CONNECTORS

CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		Pass
Damaged Sockets		None
Internal Debris	Supplied not clean	See remark
Connector Covers fitted	Supplied loose Harnesses mounted on transport frames with Kapton tape over connectors	See remark
Connector Savers Fitted		N/A
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments	See Extra comments sheet for list of items delivered	See remark

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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		N/A for this inspection
Transportaion Documents	Despatch Note supplied for each Harness	Yes
Packing un- Packing instructions		N/A for this inspection
Additional Comments	CoC's supplied for each Harness	

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**

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**

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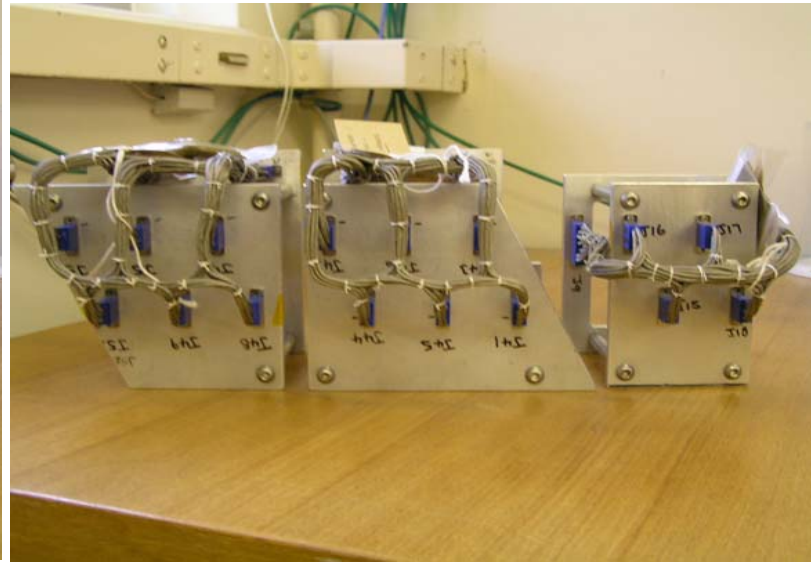
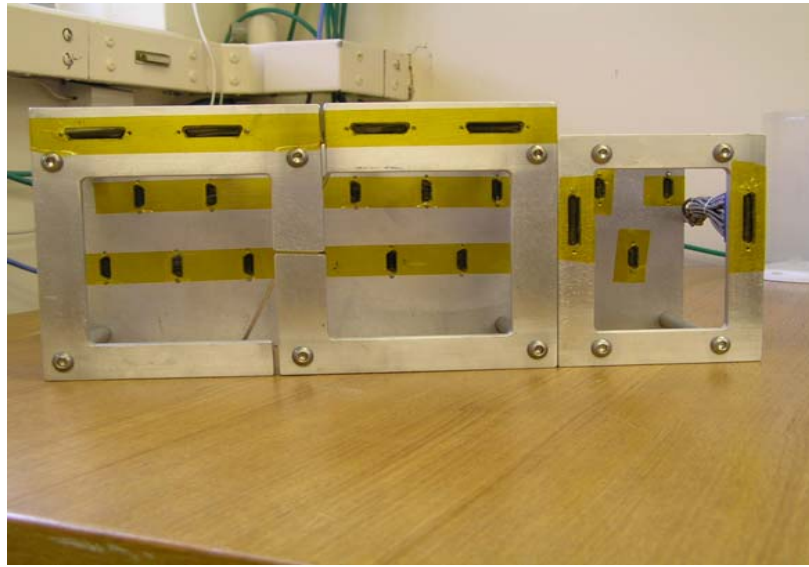
Date **21/03/2006** **15 Sep 06**

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EXTRA COMMENT SHEET

Harness	Part No	Rev	Qty	Spacers Qty	Connector Covers		
					Large	Small	
Spectrometer	RAL-10209784	Rev C	1	4	2	4	
Photometer	RAL-10209785	Rev C	1	4	2	6	
Photometer	RAL-10209786	Rev C	1	4	2	8	HSJFP P47 Slight distortion on molding Not significant

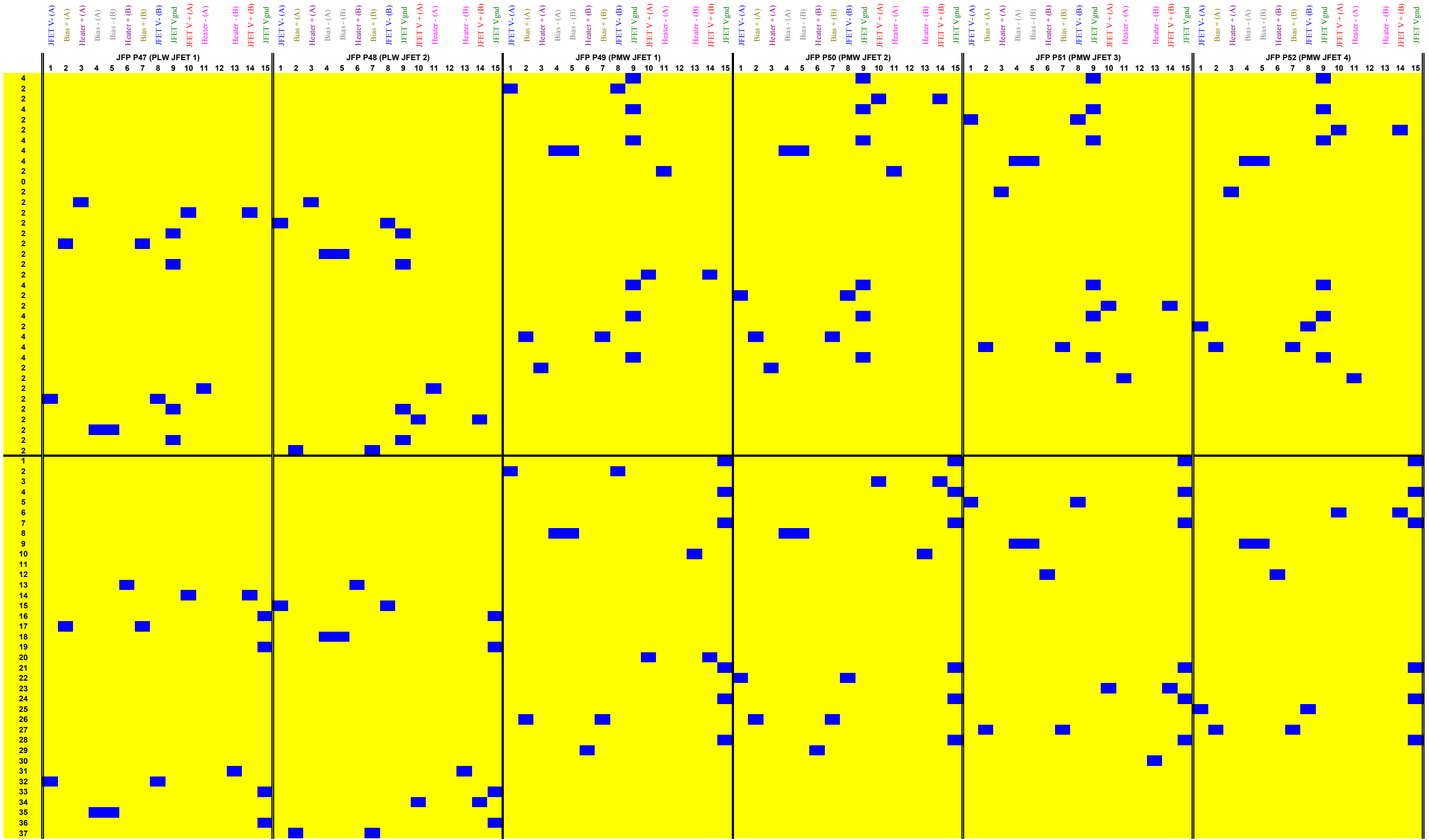
As the Items were not "Clean" when delivered the Inspection was performed in the office Not the Clean room



PMW_JFETV1_A shld	1
PMW_JFETV1_A -	2
PMW_JFETV2_A +	3
PMW_JFETV3_A shld	4
PMW_JFETV3_A -	5
PMW_JFETV4_A +	6
PMW_BIAS1/2_A shld	7
PMW_BIAS1/2_A -	8
PMW_BIAS3/4_A -	9
PMW_HEATER A1 -	10
PMW_HEATER A1 shld	11
PMW_HEATER A2 +	12
PLW_HEATER A +	13
PLW_JFETV1_A +	14
PLW_JFETV2_A -	15
PLW_JFETV2_A shld	16
PLW_BIAS1_A +	17
PLW_BIAS2_A -	18
PLW_BIAS2_A shld	19
PMW_JFETV1_A +	20
PMW_JFETV2_A shld	21
PMW_JFETV2_A -	22
PMW_JFETV3_A +	23
PMW_JFETV4_A shld	24
PMW_JFETV4_A -	25
PMW_BIAS1/2_A +	26
PMW_BIAS3/4_A +	27
PMW_BIAS3/4_A shld	28
PMW_HEATER A1 +	29
PMW_HEATER A2 -	30
PLW_HEATER A -	31
PLW_JFETV1_A -	32
PLW_JFETV1_A shld	33
PLW_JFETV2_A +	34
PLW_BIAS1_A -	35
PLW_BIAS1_A shld	36
PLW_BIAS2_A +	37
PMW_JFETV1_B shld	1
PMW_JFETV1_B -	2
PMW_JFETV2_B +	3
PMW_JFETV3_B shld	4
PMW_JFETV3_B -	5
PMW_JFETV4_B +	6
PMW_BIAS1/2_B shld	7
PMW_BIAS1/2_B -	8
PMW_BIAS3/4_B -	9
PMW_HEATER B1 -	10
PLW_HEATER B shld	11
PMW_HEATER B2 +	12
PLW_HEATER B +	13
PLW_JFETV1_B +	14
PLW_JFETV2_B -	15
PLW_JFETV2_B shld	16
PLW_BIAS1_B +	17
PLW_BIAS2_B -	18
PLW_BIAS2_B shld	19
PMW_JFETV1_B +	20
PMW_JFETV2_B shld	21
PMW_JFETV2_B -	22
PMW_JFETV3_B +	23
PMW_JFETV4_B shld	24
PMW_JFETV4_B -	25
PMW_BIAS1/2_B +	26
PMW_BIAS3/4_B +	27
PMW_GND WIRE_B	28
PMW_HEATER B1 +	29
PMW_HEATER B2 -	30
PLW_HEATER B -	31
PLW_JFETV1_B -	32
PLW_JFETV1_B shld	33
PLW_JFETV2_B +	34
PLW_BIAS1_B -	35
PLW_BIAS1_B shld	36
PLW_BIAS2_B +	37

JFP J27

JFP J28



PTC Bias_A +ve	1	2
PTC Bias_A Shield	2	1
PTC JFETV Bias_A -ve	3	2
SLW_BIAS_A1-ve	4	2
SLW_BIAS_A2+ve	5	2
SLW_BIAS_A1 shld	6	1
SLW_JFETV_A1 -ve	7	2
SLW_JFETV_A2 +ve	8	2
SSW_BIAS1_A shld	9	2
SSW_BIAS1_A -ve	10	2
SSW_JFETV1_A +ve	11	2
SSW_GND WIRE_A	12	2
SSW_BIAS2_A +ve	13	2
SSW_JFETV2_A shld	14	2
SSW_JFETV2_A -ve	15	2
PTC HEATER_A +ve	16	1
SLW_HEATER_A +ve	17	1
SLW_HEATER_A shld	18	0
SSW_HEATER_A -ve	19	2
PTC Bias_A -ve	20	2
PTC JFETV Bias_A +ve	21	2
SLW_BIAS_A1+ve	22	2
SLW_BIAS_A2 shld	23	1
SLW_BIAS_A2 -ve	24	2
SLW_JFETV_A1 +ve	25	2
SLW_JFETV_A2 shld	26	1
SLW_JFETV_A2 -ve	27	2
SSW_BIAS1_A +ve	28	2
SSW_JFETV1_A shld	29	2
SSW_JFETV1_A -ve	30	2
SSW_BIAS2_A shld	31	2
SSW_BIAS2_A -ve	32	2
SSW_JFETV2_A +ve	33	2
	34	0
PTC JFET HEATER_A -ve	35	1
SLW_HEATER_A -ve	36	1
SSW_HEATER_A +ve	37	2
PTC Bias_B +ve	1	2
PTC Bias_B Shield	2	1
PTC JFETV Bias_B -ve	3	2
SLW_BIAS_B1-ve	4	2
SLW_BIAS_B2+ve	5	2
SLW_BIAS_B1 shld	6	1
SLW_JFETV_B1 -ve	7	2
SLW_JFETV_B2 +ve	8	2
SSW_BIAS1_B shld	9	2
SSW_BIAS1_B -ve	10	2
SSW_JFETV1_B +ve	11	2
SSW_GND WIRE_B	12	2
SSW_BIAS2_B +ve	13	2
SSW_JFETV2_B shld	14	2
SSW_JFETV2_B -ve	15	2
PTC HEATER_B +ve	16	1
SLW_HEATER_B +ve	17	1
SLW_HEATER_B shld	18	0
SSW_HEATER_B -ve	19	2
PTC Bias_B -ve	20	2
PTC JFETV Bias_B +ve	21	2
SLW_BIAS_B1+ve	22	2
SLW_BIAS_B2 shld	23	1
SLW_BIAS_B2 -ve	24	2
SLW_JFETV_B1 +ve	25	2
SLW_JFETV_B2 shld	26	1
SLW_JFETV_B2 -ve	27	2
SSW_BIAS1_B +ve	28	2
SSW_JFETV1_B shld	29	2
SSW_JFETV1_B -ve	30	2
SSW_BIAS2_B shld	31	2
SSW_BIAS2_B -ve	32	2
SSW_JFETV2_B +ve	33	2
	34	0
PTC JFET HEATER_A -ve	35	1
SLW_HEATER_B -ve	36	1
SSW_HEATER_B +ve	37	2

JFS J09

JFS J10

JFS P15 (SSW 2) JFS P16 (SSW 1) JFS P17 (SLW) JFS P18 (PTC)

