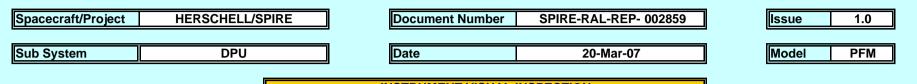


Spacecraft/Project	HERSCHELL/SPIRE	Document Number	SPIRE-RAL-REP- 002859	Ŀ	Issue	1.0
Sub System	DPU	Date	20-Mar-07	Ν	Model	PFM
				- <u>-</u>		

TRANSPORT CONTAINERS EXTERNAL CONDITION	REMARKS	Status
Mechanical damage to container fasteners, locks, clips or		
handling provisions		Checked
Security / Locking Fitted		Checked
Markings for destination and description		Checked
		Checked
Warning labels relating to handling lifting and stacking limits		Checked
Any additional Comments		

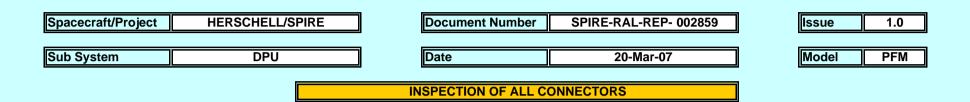
TRANSPORT CONTAINERS INTERNAL CONDITION	REMARKS	Status
Check Mounting fixtures fitted internal packaging		Checked
Internal padding / packaging required	Triple layer of wrapping used	See Remarks
incorner passanig / passaging rogened		Coo Romano
Mounting provisions secure		Checked
Any additional Comments		

	ENVIROME	ENTAL MONITORS
Temp Monitors	Humiditiy Monitors	Shock Sensors Triggerd Information
		5g 10g 15g 25g 50g
Fitted: Yes	Fitted: Yes	X Axis
		Y Axis
Condition: Satisfactory	Condition: Satisfactory	Z Axis



INSTRUMENT VISUAL INSPECTION

CHECK LIST	REMARKS	RESULTS
Contents against shipping list		Correct
		Correct
All closure procedures		Correct
Instrument label		Correct
Note status of external		
contamination	Minor particulate contamination removed with vacuum cleaner and wipes / IPA	See Remarks
Degradation of paintwork or		
Coating?		None
Fasteners correctly locked?		Correct
Check protective covers are		News
correctly labelled and fitted?	Removed for pin inspection and replaced.	None
Double bagged?		Correct
Additional Comments		



CHECK LIST	REMARKS (LIST CONNECTOR NUMBERS)	RESULTS
Pin Alignment		Pass
Damaged Sockets		None
Internal Debris		N/A
Connector Covers fitted	ESD covers were removed and replaced after inspection	Pass
Connector Savers Fitted	Removed as discussed at DRB	N/A
EMC Covers Fitted		N/A
RED Tag Item / Green Tag Items fitted		N/A
Additional Comments		

Spacecraft/Project	HERSCHELL/SPIRE] [Document Number	SPIRE-RAL-REP- 002859	Issue 1.0
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DOCUMENTATION CHECK LIST

Check	REMARKS	RESULTS
End Item Data Pack		Yes
Transportaion Documents		Yes
Packing un- Packing instructions		Yes
Additional Comments	Included in EIDP	See Remarks

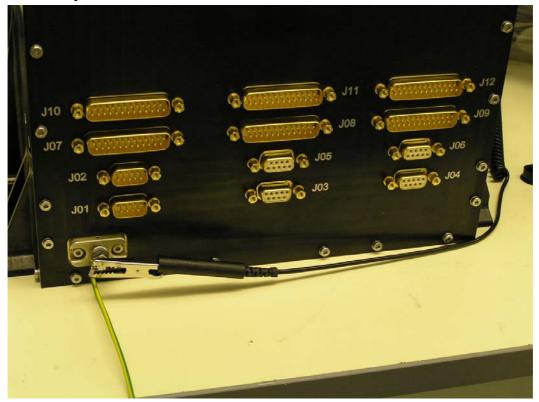
Verification of Interfaces

Mechanical interface: dimensions specified in the interface control documents such as mass, flatned dimensions should be measured accurately and recorded. Record Test Report Number, or confirm t documentation, (EIDP).		•
INSPECTION / TEST REPORT NUMBER To be preformed at integration	CHECKED	No
Electrical interfaces: verifying the location and types of connectors against interface control docum confirm this has been done. Functional testing: final functional test report number should be noted.	nent is normally carried a	s part of mechanical verification,
INSPECTION / TEST REPORT NUMBER To be preformed at integration	CHECKED	No

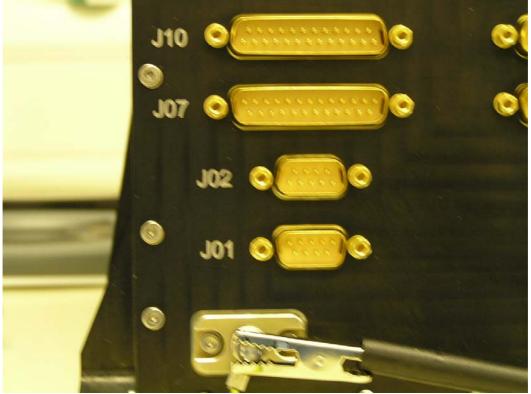
	1	I		1
Sub System	DPU	Date	20-Mar-07	Model PFM
		EXTRA COMMEN		1
		EXTRA COMMEN		J
The majority of scraws	s for the external casing do not have	locking compound. Screws have	e been confirmed to be self locking. I	No further action required.
Noto- lid of box is pain	ited and body of the box is anodized.	The apodized finish had a sligh	t oily appearance with small importe	ctions that looked like dust
	oved by IPA, cloth wipes and are part		tony appearance with small imperie	clions that looked like dust
	the Project manager that the oily app			
Covers removed form	connectors - D connector orientation	correct to drawing, no contamir	nation or damage to pins.	
The customer requires	s a final clean of the top cover before	packing to remove minor dust of	contamination.	
Photographs taken of	unit both before and after wrapping.			
Packed without ground	ding as it is not practical to maintain i	n transport (i.e. same state as a	s on deliverv), external ground lead	was enclosed in
	ng for added protection. Note connec			

SPIRE-RAL-REP-002860 DPU20 March 2007

View of pins and connectors



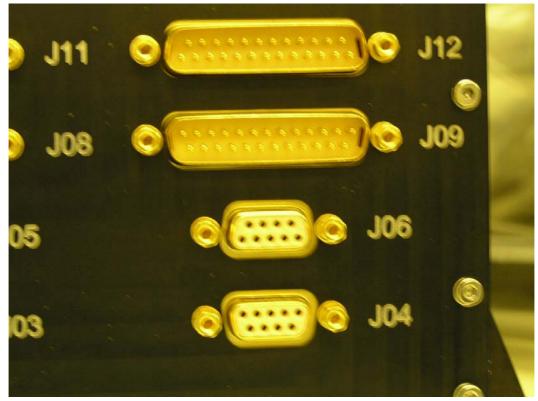
Positions J01, J02, J07, J10



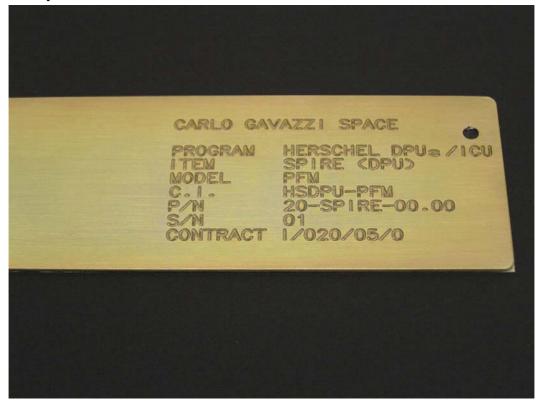
SPIRE-RAL-REP-002860 DPU20 March 2007 Positions J03, J05, J08 and J11



Positions J04, J06, J09 and J12



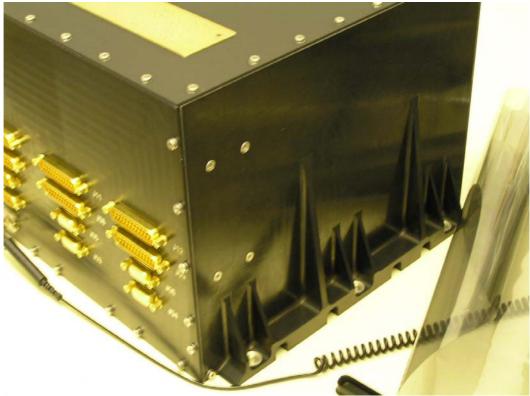
SPIRE-RAL-REP-002860 DPU20 March 2007 Name plate on DPU



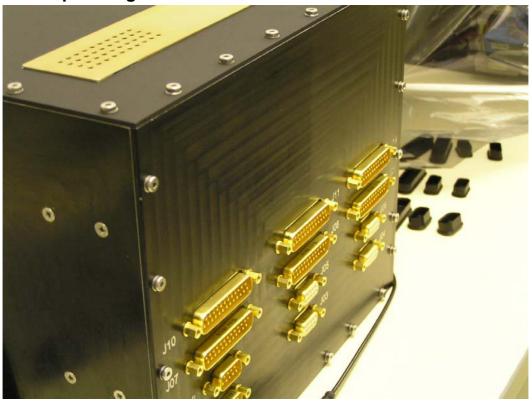
Connectors' and name plate



SPIRE-RAL-REP-002860 DPU20 March 2007 View to show grounding point during inspection and surface machine pattering



Machine pattering in the anodized surface



SPIRE-RAL-REP-002860 DPU20 March 2007 Minor marks in anodized surface



Post final cleaning inspection, just prior to bagging



SPIRE-RAL-REP-002860 DPU20 March 2007 Triple layers of protective bagging used



Unit inside transportation case, before addition of end packaging



SPIRE-RAL-REP-002860 DPU20 March 2007 Lid of case sealed before dispatch



Spire labels added

