

SPIRE	Project Document	Ref	SPIRE-RAL-PRJ-0001670
		Issue	3.
	PARTS APPROVAL DOCUMENT PAD	Date	27th January 2005
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SPIRE

SUBJECT:	Parts Approval Document (PAD) Status Reports	
PREPARED BY:	E A Clark	
DOCUMENT No:	SPIRE-RAL-PRJ-0001670	
APPROVED BY:	Name	Signature & Date
Project Manager	K.J. King	
Instrument Development Manager	E. Sawyer	
Product Assurance Manager	Eric Clark	

Distribution

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List of Part Approval Documents

PRODUCT ASSURANCE
SPACE SCIENCE DEPARTMENT
Rutherford Appleton Laboratory

Spacecraft/Project: HERSCEL	Originator: RAL/SSTD/PA
Instrument: SPIRE Model: FM??	Document No.: SPIRE_RAL_REP_001670 Issue: 3
Subsystems:	Date: 27-Jan-05

PAD Serial No.	Part Category	Part No	Manufacturer	Description	Issue Date	Remarks	Approved	Approval Date
DPU-PA-CGS-1						Awaiting updated information From ESA	No	
2						Awaiting updated information From ESA	No	
HR-SP-RAL-PAD-1			Lake Shore inc		17-Jan-03	Not Required an approved part is to be used in it's place	No	17-Jan-03
2			Lake Shore inc		17-Jan-03	Not Required not used for Qualification or Flight.	No	17-Jan-03
P031210_SAP-PACS-QA-145.03	FET-N-CHANNEL	RFY14DCSCS (CUSTOM No 94-6170	International Rectifier	100V SINGLE N-CHANNEL HI-REL MOSFET IN A TO-257AA Package	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRIUM-SAS	Yes	04-Dec-04
S031210_SAP-SPIRE-QA-140.03	CONNECTORS	D*BMA**PSNMB FR022	CANNON, ITT INDUSTRIES	Saves, shell size E,A,B,C,D equipped with 9,15,25,37,50 removable pin/skt c	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRIUM-SAS	Yes	04-Dec-04
141.03	MICROCIRCUITS	5962F0052301VXC	INTERSIL	SHUNT REGULATOR DIODE 25vTO 46	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRIUM-SAS	Yes	04-Dec-04
142.03	DIODES	1N6659	SOLID STATE DEVICES INC	HYPER FAST COMMON CATHODE CENTERTAP RECTIFIER	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRIUM-SAS (the numbering of this part could lead to confusion. I see that the part is required to be equivalent to JANS, so why is there no	Yes	04-Dec-04
143.03	TRANSISTORS	66189-301	MICROPAC INDUSTRIES	PROTON RADIATION TOLERANT OPTOCOUPLER	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRIUM-SAS	Yes	04-Dec-04

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S031210_SAP-SPIRE-QA-144.03	MICROCIRCUIT	5962-8757102YA	ANALOG DEVICES	TWO TERMINAL IC TEMPERATURE TRANSDUCER	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS (NOTE <3KRAD-THIS IS A 3 LEAD DEVICE NOT 2, 1IS NOT USED)	Yes	04-Dec-04
146.03	TRANSISTORS	93-1428-R (IRHF7110SCS)	International Rectifier	N-CHANNEL POWER MOS RAD HARD, TO-205AF	10-Mar-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
147.03	TRANSISTORS	IRHNJ57Z30SCS (CUSTOM No 93-1449-R)	International Rectifier	30v N CHANNEL TID HARDENED MOSFET. SEE HARDENED SMD	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
148.03	CAPACITORS	TBJ* **** * CBL C0023	AVX	Capacitor, fixed tantalum solid electrolyte, chip: range 1.5-470uf 6.3-1.470	10-Dec-03	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
S040302_SAP-SPIRE-VM-158.04	CAPACITORS	300900306C4700FA	TPC	Chip	03-Feb-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
159.04	CAPACITORS	300900306C1820FA	TPC	Chip	03-Feb-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
160.04	CAPACITORS	300902306C104JA	TPC	Chip	03-Feb-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
161.04	Diode	JANS1N5615US	Microsemi	Rectifier	03-Feb-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
162.04	Microcircuit	OP400v	Analog Devices	Amplifier	03-Feb-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04
168.04	Diode	1N6660	Solid State Devices Inc	Rectifier	28-Apr-04	Approved by ESA 14th Dec 04 Procured by ASTRUM-SAS	Yes	04-Dec-04

END OF LIST