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	FAX	Date 19/02/02	Référence HP-ASPI-LT-987

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CC (email) : **SPIRE :** E. Sawyer, K. King,
B. Swinyard, M. Griffin
ESA : G. Crone, A. Heske
Alcatel : Juillet, Rideau,
Collaudin, Cl. Projet.
Alenia : Sias, Cesa, Fratacci
(Alcatel resident).

Subject : SPIRE – Warm Electronic Unit Configuration / detailed comments

Dear Eric,

Following our initial request for SPIRE warm electronic unit data, please find in the following our comments relative to, and/or requests for, remaining design details of the SPIRE Warm Units which still appear to be missing. This data is important for us, in order to consolidate the spacecraft design.

Wherever possible, we have taken into account changes or updates presented in your recent SPIRE ECRs. On the other hand, details related to recent updates presented in your IBDR data package may not be reflected in the following. If that should be the case, please note that appropriate ECR's must be sent to project.

We would like to receive your clarifications and/or updates not later than 26th February.




The resulting updates shall later be formalised by means of CR's to the IID-B v. 2.1. These shall also be included into ICD's (one per Warm Unit), to be appended to the next issue of the IID-B.

DPU

- * We have received interface drawings for this unit, by email on 18/01/02 (see Annex 2).
- * Can we assume that this interface drawing, although not provided in your ECR-6, is valid and current ?
- * We understand that the connectors would be implemented on one face only, i.e. that with side length = 274 mm – please confirm.

FCU

- * Your ECR-6 shows dimensions of 330 x 330 x 280 mm, with all connectors on the top surface. Please provide details (drawings) of all connector locations on box, dimensions, type and identification, similar to the IDS given for the DPU (Annex 2).

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DCU

- * Your ECR-6 shows dimensions of 453 x 290 x 300 mm, with all connectors on the top surface. Please provide details (drawings) of all connector locations on box, dimensions, type and identification, similar to the IDS given for the DPU (Annex 2).

General

- * With reference to the Table shown in Annex 1, please provide the information shown to be missing (M).
- * Please note that the number of fixation feet must ensure that the average mass per fixation point does not exceed 1.5 kg.

With best regards,




Glenn Lund

Annex 1.

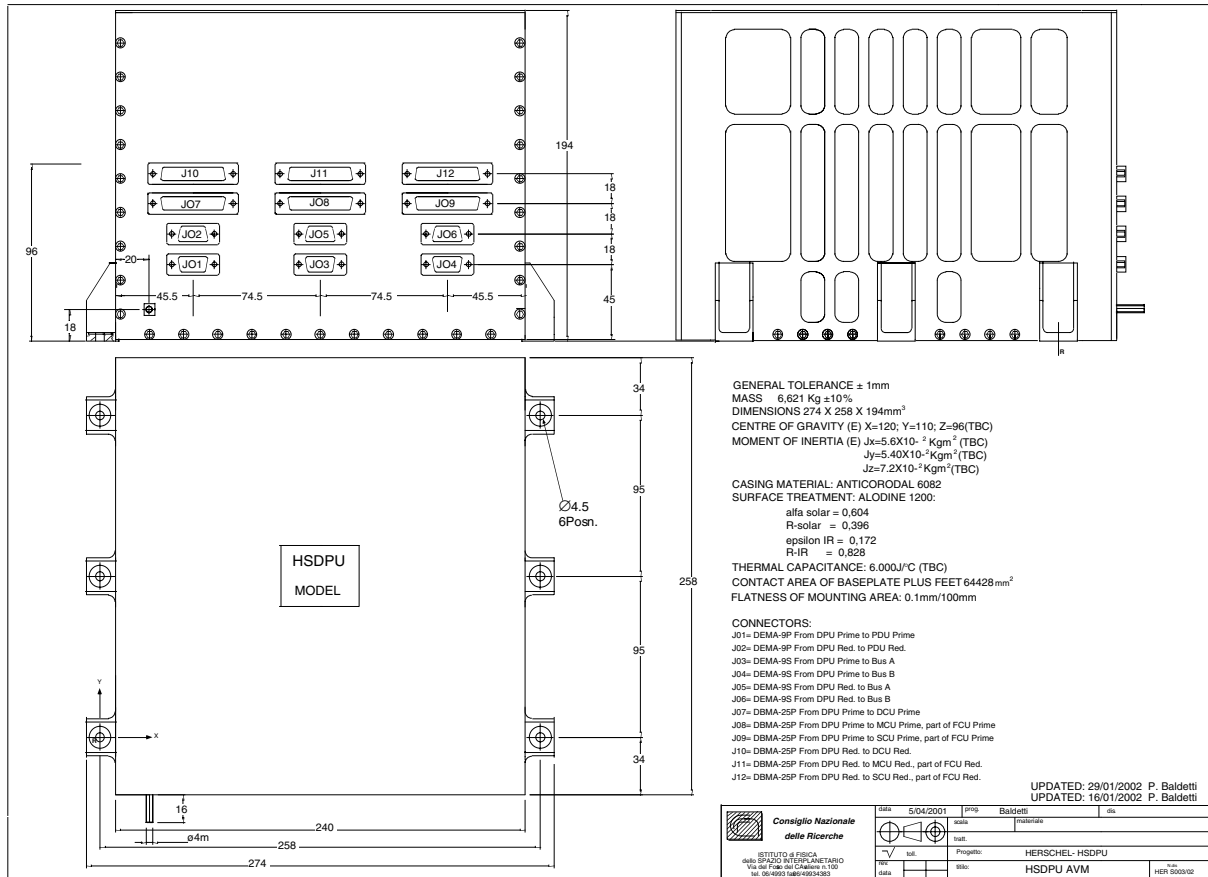
	SPIRE	DPU	FCU	DCU
Block diagram	NC		M	
Connector location		A	M	M
Connector position		A	M	M
Connector type		A	M	M
Connector backshell type		M	M	M
Bundle diameter (each connector)		M	M	M
Harness Interconnecting diagram	NC		M	
Length constraints	To be specified for units with interconnection if required			
Bending radius				

Legend




- A** Available
- M** Missing
- (1) available in Annex drawings

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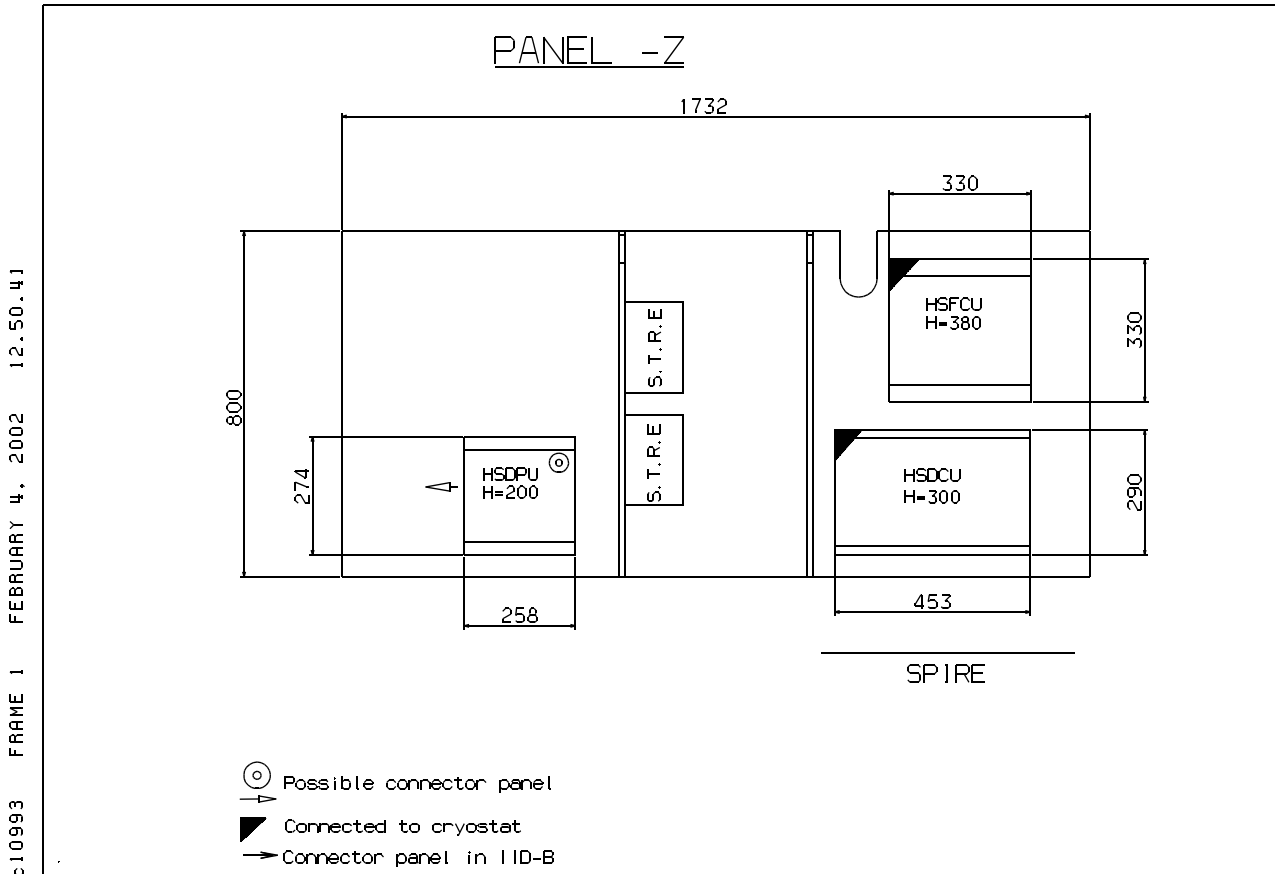
Annex 2.



SPIRE DPU Interface drawing

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Annex 3.



SPIRE Warm Unit layout on -Z panel of SVM