Spacecraft

Harnesses routed through V-grooves

4KCC, N & R in 2 boxes
MAX CCE
FAB

ADRs current leads
ADRs monitoring and control
4K Core thermal control
FPA utility signals

ICU N & R in 1 box

CryoAC-WBEE N & R in 1 box

CryoAC-WFEE 1/4 segmentation

CryoAC signals

DRE 4 boxes
DEMUX
EP
RAS
EP Alg.

WFEE 4 units, 2 boxes

FPA science signal
FPA science signal

DCE
DEA-Elec

FWE N & R in 1 box

CDEA

50 K Dewar

4 K Core
X-stage ADR (MAX)
4K Core
53mK
350mK
1.8K
FPA, IF @2K
CryoAC & AMP SQUIDs
Multiplexing SQUIDs
CryoAC cold stage
TES array
THF0
THF4

4K I/F
20K I/F

DEA
THF50
Door

VG3 (50K)
VG2 (90K)
VG1 (170K) PLC FW
PLC Floor (300K)

E-THF
CAS
FWA

CPA

ESA/Primes
Italy
Belgium
Czech Rep.
France
Netherlands
United States
Switzerland
Finland
Spain

Connectors (split boxes at PLC floor not shown)
Air & EMC tight connexion
Power line*
*Cold harnesses are provided by France
Signals
Thermal feedthrough
Thermal links
Data Bus