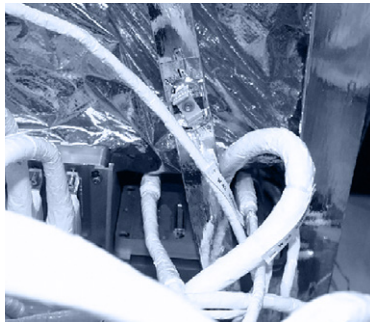


## Mod Code 429 for Space Application



**Detail of the Atmospheric Infrared Sounder Instrument (AIRS) with Glenair Micro-D Cables and Connectors**

*Photo courtesy JPL*

## Save Time and Cost with Modification Codes for Space Grade GHSM connectors

GHSM connectors are a good choice for all types of orbital and deep space projects. Glenair Modification Codes provide special processing for GHSMs to meet NASA requirements without the need for a customer 'Statement of Work' or 'Specification Control Drawing'. This section explains Glenair Modification Code ordering, and provides valuable information on outgassing and other space flight topics.

HOW TO ORDER SPACE GRADE GHSM CONNECTORS	
<b>Step 1: Find a Standard GHSM Part Number</b>	Electroless nickel plated shells and Tefzel® wire are preferred for space flight. Cadmium plating is prohibited.
<b>Step 2: Select a NASA Screening Level</b>	The term "Screening Level" refers to the final inspection procedure and does not include outgassing. Level 1 for mission-critical highest reliability Level 2 for high reliability Level 3 for standard reliability
<b>Step 3: Outgassing Processing</b>	Specify bakeout or thermal vacuum outgassing. Both bakeout and thermal vacuum outgas processes incur additional cost.
<b>Step 4: Select Appropriate Modification Code.</b>	Match the desired level of screening, outgassing or a combination of both. Select from the table below to choose the right modification code. Add the modification code to the connector part number. Example: GHSM2R-25SBSSPU-429C

MOD CODE FOR SPACE APPLICATIONS

NASA EEE-INST-02, TABLE 2A SCREENING LEVELS			
Inspection	Level 1	Level 2	Level 3
Visual	100%	100%	100%
Mechanical	2(0)	2(0)	
Dielectric Withstanding Voltage	2(0)	2(0)	
Insulation Resistance	2(0)	2(0)	
Contact Engagement & Separation Force	2(0)		
Hermeticity (Sealed Receptacles Only)	100%	100%	
Coupling Force	2(0)		

Required inspection quantity shown. Number in parenthesis indicates acceptance of failures allowed for all quantities inspected.

SCREENING LEVEL AND AVAILABLE OUTGASSING MODIFICATION CODES			
NASA Screening Level	Special Screening Only	Special Screening Plus Outgassing Processing	
		48 Hour Oven Bake 175° C.	Thermal Vacuum Outgassing 24 hrs. 125° C.
Level 1 Highest Reliability	Mod Code 429F	Mod Code 429J	Mod Code 429C
Level 2 High Reliability	Mod Code 429D	Mod Code 429K	Mod Code 429A
Level 3 Standard Reliability	Mod Code 432	Mod Code 186	Mod Code 186M