



# GLAST Mission Interface Change Notice (ICN)

ICN No.  
024

**SPECTRUMASTRO**

SHEET 1 OF 2

**ORIGINATOR:** Tim Morse

**PHONE:** 480-892-8200

**DATE:** 10-2-03

**CHANGE TITLE:** LAT Survival Feed Connector Redefinition

**ORG:** Spectrum Astro

**DOCUMENT NUMBER**

**TITLE**

**VERSION**

1196-EI-Y46311-000

LAT-SC ICD

A

**REASON FOR CHANGE:**

The connector shown in the ICD for the unregulated survival feeds are undersized for the 18 gauge wire sizes needed to carry the load. This ICN replaces those connectors with ones that are adequately sized.

**PROPOSED CHANGE:**

Change from: shell size 8 connector with six #22D pins  
To: shell size 12 connector with four #16 pins

**Contact Arrangements (Engaging View Pin Insert)**

\* Socket insert only  
\*\* Pin insert only (Not available in

Old

New

† Indicates layouts of MS27508, MS27509, KJ2E and KJ5E  
• Consult factory MS27508, MS27509, KJ2E and KJ5E  
For "inactive", use - 35 layout.

	Inactive			Inactive											
Series III															
Series II	8-2†	9-9†	9-35	-	11-5	13-5†	11-9†	-	11-35	-	-	12-4†	13-8	-	-
Series I	6-2**	9-9	9-35	11-4	15-5	11-13**	11-9†	10-9†	11-35	12-3	-	13-4**	13-8	-	-
No. of Contacts	6 #22M	3 #20	6 #22D	4 #20	5 #20	13 #22M	4 #20	7 #20	13 #22D	3 #16	-	4 #16	8 #20	-	-
Service Ratings	M	I	M	I	I	M	I	I	M	E	-	I	I	-	-

See next page for updated table in ICD.

**INSTRUMENT IMPACT**

- Cost
- Schedule

**SPACECRAFT IMPACT**

- Cost
- Schedule

**ORIGINATOR SIGNATURE:**

**APPROVAL SIGNATURES:**

Spectrum Instrument Interface Lead – Tim Morse

Spectrum Program Manager – Al Lepore

*L. Klaisner for Dick Horn 10/10/03*  
Instrument Systems Engineer – Dick Horn

*Lowell Klaisner 10/10/03*  
Instrument Program Manager – Lowell Klaisner

### 6-1. LAT Interface Connector Specification List

Connector	Location	Use	LAT Connector Type	LAT Connector	SC Harness Connector
JL-1	-X+Y Bulkhead	DAQ pwr, tlm	66-CIRC1P	MS27656T19F35P	MS27467T19F35S
JL-2	-X -Y Bulkhead	DAQ pwr, tlm	66-CIRC1P	MS27656T19F35P	MS27467T19F35S
JL-119	-X+Y Bulkhead	SIU pwr	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-120	-X -Y Bulkhead	SIU pwr	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-121	+X+Y Bulkhead	SIU tlm	55-CIRC2P	MS27497T16F35P	MS27484T16F35S
JL-122	+X -Y Bulkhead	SIU tlm	55-CIRC2P	MS27497T16F35P	MS27484T16F35S
JL-123	+X -Y Bracket	XLAT Plate tlm	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-124	+X+Y Bulkhead	PPS, Trigger, Science	55-CIRC2S	MS27497T16F35S	MS27484T16F35P
JL-125	+X -Y Bulkhead	PPS, Trigger, Science	55-CIRC2S	MS27497T16F35S	MS27484T16F35P
JL-138	+X+Y Bulkhead	PPS, Trigger, Science	55-CIRC2S	MS27497T16F35S	MS27484T16F35P
JL-145	+X -Y Bulkhead	PPS, Trigger, Science	55-CIRC2S	MS27497T16F35S	MS27484T16F35P
JL-127	-X+Y Heater Box	VCHP pwr, tlm	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-129	-X+Y Heater Box	VCHP pwr, tlm	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-131	+X+Y Bracket	Heater Temps	66-CIRC2P	MS27497T18F35P	MS27484T18F35S
JL-238	+X+Y Bracket	Heater Temps	37-CIRC2P	MS27497T14F35P	MS27484T14F35S
JL-133	-X+Y Heater Box	Surv Power	6-CIRC2P 4-CIRC2P	MS27497T8F35P MS27497T12F4P	MS27484T8F35S MS27484T12F4S
JL-136	-X+Y Heater Box	Surv Power	6-CIRC2P 4-CIRC2P	MS27497T8F35P MS27497T12F4P	MS27484T8F35S MS27484T12F4S
JL-140	-X -Y Heater Box	VCHP pwr, tlm	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-142	-X -Y Heater Box	VCHP pwr, tlm	22-CIRC2P	MS27497T12F35P	MS27484T12F35S
JL-144	+X -Y Bracket	Heater Temps	66-CIRC2P	MS27497T18F35P	MS27484T18F35S
JL-239	+X -Y Bracket	Heater Temps	37-CIRC2P	MS27497T14F35P	MS27484T14F35S
JL-146	-X -Y Heater Box	Surv Power	6-CIRC2P 4-CIRC2P	MS27497T8F35P MS27497T12F4P	MS27484T8F35S MS27484T12F4S
JL-149	-X -Y Heater Box	Surv Power	6-CIRC2P 4-CIRC2P	MS27497T8F35P MS27497T12F4P	MS27484T8F35S MS27484T12F4S
JL-152	+X +Y Bracket	ACD tlm	66-CIRC2P	MS27497T18F35P	MS27484T18F35S
JL-232	+X+Y Bulkhead	1553 A	MIL1553	BJ3150	PL3155AC-201
JL-233	+X+Y Bulkhead	1553 B	MIL1553	BJ3150	PL3155AC-201
JL-234	+X -Y Bulkhead	1553 A	MIL1553	BJ3150	PL3155AC-201
JL-235	+X -Y Bulkhead	1553 B	MIL1553	BJ3150	PL3155AC-201