



DEFENSE LOGISTICS AGENCY
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IN REPLY
REFER

DSCC-VQH-08-015401/Miss Schneider/614-692-0585/js)

March 26, 2008

SUBJECT: Approval of Radiation Hardness Assurance (RHA) Program, Hybrid Microcircuits,
MIL-PRF-38534, FSC 5962

Mr. Dan Miller
Quality Manager
M.S. Kennedy Corporation
4707 Dey Road
Liverpool, NY 13088

Dear Mr. Miller:

Approval of your Radiation Hardness Assurance Plan, *Quality Control Manual, Section 47 Radiation Program Plan*, to Appendix G of MIL-PRF-38534 is granted based upon review and approval from DSCC with inputs from RHA experts from DTRA, NASA and Air Force consultants (Aerospace Corporation.)

This approval is also based on DSCC review and approval of your documented internal operating procedures, RHA test reports, and DSCC audits of both your facility and your radiation testing at the University of Massachusetts. Additionally, this approval is based upon your system of testing each wafer lot of active die in each hybrid (in every combination of wafers to be used together in production) for Total Ionizing Radiation Dose (TID), Test Method 1019 Condition A at 1.5 times the RHA*level specified for the hybrid.

**Dose rate applications under 50 rad(Si)/s shall be evaluated for Extreme Low Dose Rate Susceptibility (ELDRS) per ¶ 3.13 of Test Method 1019 of MIL-STD-883, unless excepted by the Standardized Microcircuit Drawing (SMD).*

Parts other than SMDs and associated data sheets are excluded from this approval. Any new SMDs with RHA requirements require coordination with the Qualifying Activity, (DSCC VQH).

Because we are held responsible for the accuracy and currency of the QML and your certification regarding RHA, you are required to advise us of changes made to your RHA program or RHA program manager.

If you have any questions, please contact Miss Schneider at (614) 692-0585.

Sincerely,

for

JOSEPH BUBEN
Chief,
Hybrid Devices Team

