



**DEFENSE LOGISTICS AGENCY**  
 DEFENSE SUPPLY CENTER, COLUMBUS  
 POST OFFICE BOX 3990  
 COLUMBUS, OH 43218-3990

IN REPLY  
REFER TO

DSCC-VQ (VQC-06-010851/Mr. Tran/614-692-0606/dg)

April 19, 2006

SUBJECT: Notification of Class Q Qualification Approval, MIL-PRF-38535, FSC 5962

Mr. Kangsen Huey  
 Senior Program Manager, HiRel Operations  
 Actel Corporations  
 2061 Stierlin Court  
 Mountain View, CA 94043-4655

Dear Mr. Huey:

We have reviewed the Qualification Report for the RTAX2000S. Qualification of your products is granted for class Q Non Radiation Hardened under the current Military Specification MIL-PRF-38535, Microcircuits, FSC 5962. This action is a result of successful qualification testing in accordance with the requirements of MIL-PRF-38535 and Standard Microcircuit Drawing (SMD) 5962-04221.

The RTAX-S Product are fabricated at UMC, Taiwan wafer Foundry's 0.15 Micron CMOS/M2M-Antifuse Technology process line, assembled at Kyocera America, Inc., San Diego, CA, Column attachment is performed at BAE Systems, Manassas, Va and tested at Actel Corporation and their approved subcontractors.

Your products will be listed as shown on the Qualified Manufacturers list (QML)

SMD Numbers	Device Type	Class Level	Case Outline	Lead Finish	ESDS Class (K Volts)
5962-04221	01	Q	X	C	2 (2)
	02		Y	C	
	03		Z	A	
	04				

Note: The Z case outline is the Ceramic Column Grid Array (CGA) utilizing approved BAE, Manassas, Va column attachment process. The lead is high temperature column solder (90/10 Pb/Sn). The Y Case Outline is the Ceramic Land Grid Array with gold plated dot (no bump).

All Microcircuits listed in the QML-38535 and supplied as QML certified and qualified products shall be manufactured, assembled, and tested in accordance to the manufacturer's QM Plan, MIL-PRF-38535, MIL-STD-883, and the SMD.

QML Manufacturers shall notify the Qualifying Activity (DSCC-VQC) immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their QPL/QML products. Failure to provide prior notification may be grounds for removal from the QML-38535.

Because we are held responsible for the accuracy of the Qualified Manufacturers List, should your company plan to discontinue production of these products, please provide this office with an End of Life Notice at least twelve (12) months prior to discontinuance.

Sincerely,



ROBERT P. EVANS

Chief  
Qualification and Sourcing Unit

Enclosure

cc:

VQC (Michael S. Adams)

VQC (Michael Grammens)

VAC (Thomas Hess)

VAS (Ray Monnin)



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 COLUMBUS, OH 43218-3990

IN REPLY  
REFER TO

DSCC-VQ (VQC-06-010885/Mr. Tran/614-692-0606/dg)

April 25, 2006

**SUBJECT: Extention of Qualification Approval, MIL-PRF-38535, FSC 5962**

Mr. Kangsen Huey  
 Senior Program Manager, HiRel Operations  
 Actel Corporations  
 2061 Stierlin Court  
 Mountain View, CA 94043-4655

Dear Mr. Huey:

We have reviewed your request to extend Qualification for the RTAX1000S and RTAX250S based on the successful Qualification of the RTAX2000S. Your request is granted in accordance with the requirements of MIL-PRF-38535.

The RTAX-S family product are fabricated at UMC, Taiwan wafer Foundry's 0.15 Micron CMOS/M2M-Antifuse Technology process line, assembled at Kyocera America, Inc., San Diego, CA, Column attachment is performed at BAE Systems, Manassas, VA and tested at Actel Corporation and their approved subcontractors.

The additional RTAX family of products will be listed as shown on the Qualified Manufacturers list (QML)

SMD Numbers	Device Type	Class Level	Case Outline	Lead Finish	ESDS Class (K Volts)
5962-04220	01	Q	X	C	2(2)
	02		Y	C	
	03		Z	A	
	04				
5962-04190	01	Q	X	C	2(2)
	02		Y	C	
	03				
	04				

Note: The Z case outline is the Ceramic Column Grid Array (CGA) utilizing approved BAE, Manassas. Va column attachment process. The lead is high temperature column solder (90/10 Pb/Sn). The Y Case Outline is the Ceramic Land Grid Array with gold plated dot (no bump).

All Microcircuits listed in the QML-38535 and supplied as QML certified and qualified products shall be manufactured, assembled, and tested in accordance to the manufacturer's QM Plan, MIL-PRF-38535, MIL-STD-883, and the SMD.

QML Manufacturers shall notify the Qualifying Activity (DSCC-VQC) immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem on their QPL/QML products. Failure to provide prior notification may be grounds for removal from the QML-38535.

Because we are held responsible for the accuracy of the Qualified Manufacturers List, should your company plan to discontinue production of these products, please provide this office with an End of Life Notice at least twelve (12) months prior to discontinuance.

Sincerely,



ROBERT P. EVANS

Chief  
Qualification and Sourcing Unit

Enclosure

cc:

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