



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

IN REPLY
REFER TO

DSCC-VQ (VQH-09-017567/Mr. Buben/614-692-0592/jb)

March 6, 2009

SUBJECT: Notification of Qualification, Hybrid Microcircuits, MIL-PRF-38534, FSC 5962

Mr. Glen Frashure
Austin Semiconductor Incorporated
8701 Cross Park Drive
Austin, TX 78754-4566

Dear Mr. Frashure:

Qualification of your materials and processes is granted effective March 6, 2009, under the current issue of the Performance Specification MIL-PRF-38534, Hybrid Microcircuits, FSC 5962. This action is a result of successful package qualification for your ceramic co-fire package using your S512K32BQFP-SAD hybrid, outline case N, SMD number 5962-95624, assembled at your Austin, Texas facility. Our designated number for this report is 38534-2512-09.

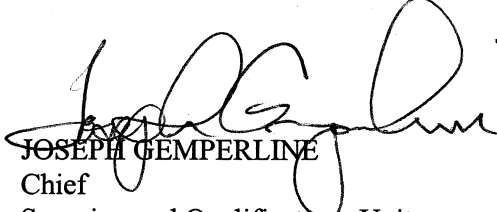
The materials and processes qualified by this report are identified in your VQH 42 form dated February 9, 2009 for the above device. Your Qualified Manufacturers List (QML) listing will appear as in Enclosure 1 and is subject to the conditions printed in Enclosure 2.

QML manufacturers shall notify the qualifying activity immediately after learning of a potential issuance of a GIDEP alert, problem advisory or major quality/reliability problem affecting QML products. This includes failure to perform screening or sample testing (including inspection) in accordance with MIL-PRF-38534. Failure to provide notification may be grounds for removal from QML-38534.

Because we are held responsible for the accuracy and currency of this QML, please let us know if your company discontinues production using these materials or processes.

If you have any questions, please contact Mr. Buben at (614) 692-0592.

Sincerely,


JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Unit

Enclosures

Sourcing and Qualification Unit, Hybrid Devices Team, DSCC-VQH
Defense Supply Center, Columbus
MIL-PRF-38534 QML Program Status

Austin Semiconductor, Inc. (CAGE Code: 0EU86)

8701 Cross Park Drive, Austin, TX 78754-4566, US

Company Contact: Mr. Allen Wares, Phone: 512-339-1188 x7138, Fax: 512-339-6641, E-mail: awares@austinsemiconductor.com

DSCC Contact: Mr. Joseph Buben II, Phone: 614-692-0592, Fax: 614-692-6942, E-mail: vqh.jbu@dla.mil

Quality Management (QM) Program: TRB

Periodic Inspection System: Option 1

Technologies: Memory

Austin Semiconductor, Inc.

Qualification Letters: VQ(VQH-99-0144), VQ(VQH-05-009274), VQ(VQH-05-009315), VQ(VQH-05-009388), VQ(VQH-05-009621), VQ(VQH-06-009807), VQ(VQH-06-010137), VQ(VQH-06-010562), VQ(VQH-06-010804), VQ(VQH-07-012340), (VQ(VQH-09-017567)

Class Level Information: See Note 6/

Class H, Class E

Substrate Fabrication Information: See Note 1/

Substrate Fabrication Flows: N/A

Substrate Fabrication: N/A

Assembly Information: See Note 1/

Assembly Flows: 2/ASI-H/512K32F1/A, 1595, 1648, AS85512K32P-SAD, S51232MA, R12832MA

Substrate Attach: N/A

Element Attach: Ag Cyanate Ester, Eutectic, Noncond. Cyanate Ester, Conductive Epoxy, Nonconductive Epoxy

Add-on Elements: Unpackaged Die, Chip Capacitors, Chip Resistors

Wire Bonding: Gold, Aluminum

Package Information: See Notes 1/ 2/ 3/

Package Information: Ceramic Co-fire Package, Quad Flat Pack, Solder Seal, 1.76 Inch Seal Perimeter, 68 Leads, Gold Lead Finish; Ceramic Package, Dual-in-line, Solder Seal, 1.44 Inch Seal Perimeter, 14 Leads, Solder Lead Finish; Ceramic Co-fire Package, Pin Grid Array, Seam Weld, 4.06 Inch Seal Perimeter, 66 Leads, Gold/Solder Lead Finish; Ceramic Co-fire Package, Quad Flat Pack, Seam Weld, 3.34 Inch Seal Perimeter, 68 Leads, Gold/Solder Lead Finish; Ceramic Co-fire Package, Quad Flat Pack, Seam Weld, 5.60 Inch Seal Perimeter, 68 Leads, Gold Lead Finish

Notes:

1/ The QML listing can be expanded provided appropriate qualification testing is performed and passed. Therefore the manufacturer may accept an order for compliant product not covered by his QML listing, but shall not ship the compliant product until the testing has been successfully completed.

2/ Package seal perimeter is listed by largest perimeter successfully tested in inches.

3/ Package lead counts are listed by maximum number of leads covered by qualification.

4/ Caution. Do not use this number for item acquisition. Item acquired to this number may not satisfy the performance requirements of the listed SMD.

5/ Inactive for new design, no longer available from manufacturer.

6/ Class E devices are devices, which meet all of the requirements of one of the other classes (K, H, or G), with some exceptions taken. Therefore any manufacturer qualified to G, H or K is eligible to produce and mark product as compliant to class E.

CONDITIONS REGARDING QUALIFICATION APPROVAL

1. A listing on the Qualified Manufacturers List (QML) does not guarantee acceptance of the product(s) in any future purchase.
2. QML listing does not constitute a waiver of any requirements of the specification or of the provisions of any contract.
3. Advertising of qualification information is permitted. Permission to use such information for advertising or publicity purposes is granted provided that such publicity or advertising does not state or imply that the product(s) is the only product of that type qualified or that the Department of Defense in any way recommends or endorses the manufacturer's product.
4. The listing applies only to products produced in the plant(s) specified in this letter of notification of qualification and applies to future amendments or revisions of the specification, unless otherwise notified.
5. The qualifying activity must be advised in advance of any change to the materials and manufacturing construction techniques. Failure to notify the qualifying activity of any change to the materials and manufacturing construction techniques is cause for removal from the QML.
6. Continued qualification listing is dependent upon the manufacturer's compliance with the retention of qualification, verification of qualification, to which his products are qualified.