



DEFENSE LOGISTICS AGENCY
 LAND AND MARITIME
 POST OFFICE BOX 3990
 COLUMBUS, OH 43218-3990

IN REPLY
REFER TO

DLA LAND AND MARITIME-VQ (VQE-11-021796)

January 18, 2011

SUBJECT: Notification of Qualification, MIL-PRF-31032, FSC 5998, CAGE Code: 1VUH8

Mr. Jeffrey Frost
 KCA Electronics, Inc.
 223 N. Crescent Way
 Anaheim, CA 92801

Dear Mr. Frost:

Qualification of your products is granted under the current issue of the specification as a result of successful qualification testing to Military Performance Specification MIL-PRF-31032, Printed Circuit Board/Printed Wiring Board, and associated specification MIL-PRF-31032/3 and MIL-PRF-31032/4. The following listing shall appear on the next issue of Qualified Manufacturers List QML-31032. The effective date of this qualification is January 18, 2011.

MANUFACTURER NAME & ADDRESS KCA Electronics, Inc. 223 N. Crescent Way Anaheim, CA 92801	PLANT LOCATION Same	CAGE CODE: 1VUH8 PHONE #: 714-239-2433 FAX #: 714-239-2455
CAPABILITIES BY TECHNOLOGY / ASSOCIATED SPECIFICATION:		QUALIFICATION LETTER:
MIL-PRF-31032/3, MIL-PRF-31032/4 Panel Size 12" X 18" Max. Board Thickness .074" Max/Min Through Hole Size /.010" Drilled Through Hole (before plating) Aspect Ratio 7:1 Max. Number of Layers 16 Min. Conductor Width 0.005" Min. Conductor Spacing 0.004" Part Mounting SMT Rigid Base Material GI (Woven E-Glass, Polyimide Resin) Flex Base Material Copper Clad Adhesiveless Polyimide, Acrylic Adhesive Polyimide Coverlayer Finish System HASL Hole Preparation Plasma Etchback/Desmear Copper Plating Acid Copper: DC Plate Hole Wall Conductive Coating Electroless Copper Solder Resist LPI Controlled Impedance N/A Alternate Construction Foil Lamination, Blind Vias, Sequential Lamination Hole Fill / Via Plug Non-Conductive Flex Usage Use A (Flex During Installation)		VQE-11-021796

Test report number 31032-3089-11 has been assigned to your test data.

CAPABILITIES BY TECHNOLOGY / ASSOCIATED SPECIFICATION:	QUALIFICATION LETTER:
MIL-PRF-31032/3 Panel Size 12" X 18" Max. Board Thickness .008" Max/Min Through Hole Size N/A Aspect Ratio N/A Max. Number of Layers 1 Min. Conductor Width 0.004" Min. Conductor Spacing 0.006" Part Mounting THM Flex Base Material Copper Clad Polyimide with Acrylic Adhesive, Acrylic Adhesive Polyimide Coverlayer Finish System HASL Flex Usage Use A (Flex During Installation), Use B (Dynamic Flex)	VQE-11-021796

Test report number 31032-3088-11 has been assigned to your test data.

This qualification is based on your MIL-PRF-31032 certification and is subject to the conditions stated below:

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 listing applies only to materials and manufacturing construction techniques identical to or covered by that (those) qualified. 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.

Because we are held responsible for the accuracy and currency of this QML, please let us know if your company discontinues production utilizing these materials or processes. If you have any questions, please contact Mr. Lowell Sherman, (614) 692-0627.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division