



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

November 23, 2011

Mr. David Williams
Gorilla Circuits
1445 Old Oakland Rd
San Jose CA 95112

Dear Mr. Williams:

Re: Notification of Add-on Qualifications, MIL-PRF-31032; FSC 5998; CAGE Code 3C7D2;
VQE-12-023565

Qualification of products is granted as a result of successful qualification testing to Military Performance Specification MIL-PRF-31032, Printed Circuit Board/Printed Wiring Board, and associated specification sheets MIL-PRF-31032/1 and /2. The capabilities that have been extended or added are sequential lamination, blind and buried vias, and plasma etchback for GF base material. The updated qualified capability listing for GF base material below shall be listed on Qualified Manufacturers List QML-31032. The effective date of this qualification is November 23, 2011.

MANUFACTURER	PLANT LOCATIONS	CAGE CODE: 3C7D2
Gorilla Circuits 1445 Old Oakland Rd San Jose CA 95112	Same Address as Manufacturer	PHONE: (408) 294-9897 FAX: (408) 297-1540 EMAIL: info@gorillacircuits.com
Specification: MIL-PRF-31032/1, MIL-PRF-31032/2 Qualification Letters: VQE-12-023565, VQE-11-022314 Rigid Base Material: GF: Woven E-Glass, Epoxy Resin, Flame Resistant Max. Panel Size: 18" x 24" Max. Number of Layers: 18 Max. Board Thickness: .180" Min. Hole Size: .010" Drilled Plated-Through Hole Before Plating Aspect Ratio: 18:1 Through-Hole, 1:1 Microvia Min. Conductor Width/Space: .004 "/.005" Hole Preparation: Permanganate Desmear, Plasma Desmear, Plasma Etchback Hole Wall Conductive Coating: Electroless Copper Copper Plating: Periodic Reverse Plate Hole Fill / Via Plug: Conductive, Non-Conductive Solder Resist: Liquid Photoimageable Finish System: HASL, ENIG, Electrolytic Nickel/Hard Gold Additional Fab Capabilities: Blind Vias, Buried Vias, Sequential Lamination Controlled Impedance: Single-Ended, Differential		

Test report numbers 31032-3391-12 and 31032-3392-12 were 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.

Manufacturers are required to inform this Office immediately if a failure occurs during PCI testing, if production of this qualification is discontinued, or prior to issuance of a GIDEP Alert and/or Problem Advisory on their QML products. If you have any questions, please contact Mr. Jonathan Stone, (614) 692-3022 or vqe.js@dla.mil.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualification Division

Visit us on the web at www.landandmaritime.dla.mil/offices/sourcing_and_qualification