



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

July 30, 2012

Mr. Randall Kammrad  
Midwest Printed Circuit Services  
1741 Circuit Drive  
Round Lake Beach, IL 60073

Dear Mr. Kammrad:

RE: Notification of Qualification, MIL-PRF-31032B, FSC 5998; CN036880, VQ (VQE-12-024841)

Qualification of your products is granted under the current issue of the specification as a result of successful qualification testing to Department of Defense Performance Specification MIL-PRF-31032, Printed Circuit Board/Printed Wiring Board, and associated specifications MIL-PRF-31032/1 and MIL-PRF-31032/2. The capabilities indicated below shall be listed on Qualified Manufacturers List QML-31032. The effective date of this qualification is July 30, 2012.

MANUFACTURER NAME & ADDRESS  Midwest Printed Circuit Services 1741 Circuit Drive Round Lake Beach, IL 60073	PLANT LOCATION  Same	CAGE CODE: 0YYS4  PHONE #: 847-740-4120 FAX #: 847-740-4187
CAPABILITIES BY TECHNOLOGY / ASSOCIATED SPECIFICATION:		
Specification: MIL-PRF-31032/1, MIL-PRF-31032/2 Qualification Letters: VQE-12-024841 Rigid Base Material: GF: Woven E-Glass, Epoxy Resin, Flame Resistant Max. Panel Size: 12" x 18" Max. Number of Layers: 12 Max. Board Thickness: .100" Min. Hole Size: 0.012" Drilled Plated-Through Hole Before Plating Aspect Ratio: 7.75:1 Through-Hole Min. Conductor Width/Space: .004"/.004" Hole Preparation: Plasma Desmear, Plasma Etchback Hole Wall Conductive Coating: Electroless Copper Copper Plating: Direct Current Plate Solder Resist: Liquid Photoimageable Finish System: HASL, ENIG Controlled Impedance: Differential Additional Fab Capabilities: Controlled Depth Mechanically Drilled Low Aspect Ratio Blind Vias, Foil Lamination		



Test report number 31032-3553-12 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 or [vqe.ls@dla.mil](mailto:vqe.ls@dla.mil).

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division