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

February 27, 2024

Mr. Joe Lefebure
Advanced Circuits, Inc. (Chandler)
6615 W. Boston St.
Chandler, AZ 85226

Dear Mr. Lefebure:

RE: Notice of Qualification, Hydrocarbon Base Material, MIL-PRF-31032/5, /6; FSC: 5998; CAGE Code: 6RJS1; VQ (VQE-24-038491) / CN086953

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 MIL-PRF-31032/5 and /6. The capabilities qualified for each base material and slash sheet indicated below shall be listed on Qualified Manufacturers List QML-31032. The effective date of this qualification is February 27, 2024.

MANUFACTURER	PLANT LOCATIONS	CAGE CODE: 6RJS1
Advanced Circuits, Inc. (Chandler) 6615 W. Boston St. Chandler, AZ 85226	Same Address as Manufacturer	PHONE #: 480-966-5894 FAX #: 480-966-5896 EMAIL: jlefebure@4pcb.com

Specification: MIL-PRF-31032/5, /6

Qualification Letters: VQ (VQE-24-038491)

Composition: S - Homogenous thermosetting base material printed boards

Rigid Base Material: Woven Glass Reinforced, Hydrocarbon Resin

Max. Panel Size: 18" x 24"

Max. Number of Layers: 14

Max. Board Thickness: 0.103"

Min. Hole Size: 0.013" Drilled Plated-Through Hole Before Plating

Aspect Ratio: 8:1 Through-Hole

Min. Conductor Width/Space: .0045"/.006"

Hole Wall Conductive Coating: Electroless Copper

Hole Preparation: Plasma Etchback

Copper Plating: Direct Current Plate, Periodic Reverse Plate

Solder Resist: Liquid Photoimageable, Laser Direct Image

Finish System: ENIG

Controlled Impedance: Single Ended, Differential

Test report number 31032-6894-24 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.

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. Should you have questions concerning this notice, please contact Mr. Robert Puckett, (614) 692-0625 or vqe.rp@dla.mil.

Sincerely,

KOLONCHUK.RAYMOND.L.JR.1230207093

Digitally signed by KOLONCHUK.RAYMOND.L.JR.1230207093
Date: 2024.03.04 14:29:38 -05'00'

for ROBERT M. HEBER
Chief
Sourcing and Qualification Division