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

June 03, 2025

Mr. Dennis Wojtkiewicz
Cirtech, Inc.
250 E. Emerson Ave.
Orange, CA 92865-3303

Dear Mr. Wojtkiewicz:

RE: Notification of Qualification, MIL-PRF-31032, FSC: 5998; CN092070, VQE-25-039619

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-31032/4 Type 4. The capabilities indicated below shall be listed on Qualified Manufacturers List QML-31032. The effective date of this qualification is June 03, 2025.

SECTION I LIST OF MANUFACTURERS' QUALIFIED CAPABILITIES FOR EACH TECHNOLOGY		
MANUFACTURER INFORMATION	**PLANT LOCATION**	**CAGE CODE: 8K616**
Cirtech Inc.	**Same Address as Manufacturer**	**Phone: 714-921-0860**
250 E. Emerson Ave., Orange, CA		**Fax:**
92865-3303		**Email: dennis.wojtkiewicz@apctinc.com**
CAPABILITIES BY TECHNOLOGY/ASSOCIATED SPECIFICATION		
	Previous Listing	**Current Listing**
Specification:		MIL-PRF-31032/4
Qualification Letters:		VQE-25-039619
Rigid Base Material:		GI: Glass Base, Woven, Polyimide Resin, Heat Resistant
Flex Base Material:		Copper Clad Adhesiveless Polyimide
Max. Panel Size:		18" x 24"
Max. Number of Layers:		14
Max. Board Thickness:		0.125"
Min. Hole Size:		.013" Drilled Plated-Through Hole Before Plating
Aspect Ratio:		9.6: 1 Through Hole
Min. Conductor Width/Space:		.004"/.008"
Hole Preparation:		Plasma Desmear
Hole Wall Conductive Coating:		Electroless Copper
Copper Plating:		Direct Current Plate
Solder Resist:		Liquid Photoimageable
Finish System:		ENIG
Flex Usage:		Use A (Flex During Installation)

Test report number 31032-7233-25 has been assigned to your test data for the multilayer rigid-flex printed board qualification. Your annual MIL-PRF-31032 **Status Report** shall cover the period from **March 1, 2025, through February 28, 2026**, and is due to this office by **April 30, 2026**. This qualification is based on your MIL-PRF-31032 certification and are 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.

6. Continued non-production of QML-compliant printed circuit boards may result in re-qualification testing in accordance with section B.4.2 Non-production of MIL-PRF-31032D and eventually removal from the QML-31032 listing in accordance with section 12.a.2 of DoDM 4120.24.

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. Should you have questions, please contact Mr. Yinhe Wang, (614) 692-5014 or vqe.yw@dla.mil.

Sincerely,

KOLONCHUK.RAYMOND.L.JR.1230207093

Digitally signed by KOLONCHUK.RAYMOND.L.JR.1230207093
Date: 2025.06.11 09:21:56 -04'00'

RAYMOND L KOLONCHUK
Chief
Electronic Devices Branch