



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

January 31, 2024

Mr. Alan Preston  
TTM Technologies, Inc. (Forest Grove)  
1521 Poplar Lane,  
Forest Grove, OR 97116-2033

Dear Mr. Preston:

RE: Laboratory Suitability Status, MIL-PRF-31032 and MIL-PRF-55110; CAGE Code: 01KV9;  
CN086223 / VQE-24-038410

This Office has received your correspondences that address corrective actions taken regarding the concerns from your most recent on-site facilities audit. Based on this information and the sample audit on September 12-14, 2023, your facility is considered suitably equipped to perform qualification, lot conformance, and periodic conformance inspection to Department of Defense Performance Specifications and MIL-PRF-31032/1, /2, /3, and /4, MIL-PRF-55110 and MIL-PRF-50884 for the following test methods:

**IPC-TM-650 Test Methods Manual:**  
(per internal work instructions)

Method 2.1.1	Microsectioning – Manual Method and Semi or Automatic
Method 2.1.8	Workmanship
Method 2.2.1	Mechanical Dimensional Inspection
Method 2.2.2	Optical Dimensional Inspection
Method 2.2.5	Dimensional Inspections Using Microsections
Method 2.2.6	Hole Size Measurement, Drilled
Method 2.2.7	Hole Size Measurement, Plated
Method 2.4.1	Plating Adhesion
Method 2.4.22	Bow and Twist
Method 2.4.28.1	Solder Mask Adhesion
Method 2.6.8	Plated Through Holes Thermal Stress

**MIL-PRF-31032/1 - /2 Resistance to Soldering Heat (Solder Float thermal in accordance with condition A of appendix F of MIL-PRF-31032C)**  
(per internal work instructions)

**MIL-PRF-31032/1 - /2 Marking Adhesion**  
(per internal work instructions)

**MIL-PRF-31032/1 - /2 Electrical Test Methods**  
(per internal work instructions)

Paragraph 4.7.5.1, Continuity  
Paragraph 4.7.5.2, Isolation

**MIL-PRF-31032/1 - /2 Solder Float Solderability in accordance with appendix H of MIL-PRF-31032C**  
(per internal work instructions)



**Auto Optical Inspection (AOI) of Inner Layers**  
(per internal work instructions)

**Ionizable Detection of Surface Contamination – alternative method using Omega Meter**  
(per internal work instructions)

**Nondestructive Thickness Testing for Conductor Plating and Finish (X-Ray Fluorescence Analyzer)**  
(per internal work instructions)

**Controlled Impedance Testing**  
(per internal work instructions)

**Hi-Pot Testing**  
(per internal work instructions)

Any additional and/or alternative test methods implemented shall be approved by the Technical Review Board (TRB) and reported to the Qualifying Activity as a Major Change. Should you have questions, please contact Mr. Samuel Wagers, DLA Land and Maritime-VQE, at (614) 692-9567 or [vqe.sw@dla.mil](mailto:vqe.sw@dla.mil).

Sincerely,

KOLONCHUK.RAYMOND.L.JR.1230207093

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RAYMOND L KOLONCHUK  
Chief  
Electronic Devices Branch