



*This certificate is granted and awarded by the authority of the MedAccred Management Council to:*

## ***Benchmark Electronics (Thailand) PCL***

*94 Moo 1, Hi-Tech Industrial Estate  
Banlane, Bang Pa-in, Ayudhaya, 13160  
Thailand*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturer's List (QML), to the revision in effect at the time of the audit for:*

## ***Printed Board Assemblies***

Certificate Number: 189372003142  
Expiration Date: 31 January 2024  
Accreditation Length: 12 Months

A handwritten signature in black ink, appearing to read "Jay Solomond".

**Jay Solomond**  
Executive Vice President & Chief Operating Officer

## SCOPE OF ACCREDITATION

### Printed Board Assemblies

**Benchmark Electronics (Thailand) PCL**  
94 Moo 1, Hi-Tech Industrial Estate  
Banlane, Bang Pa-in, Ayudhaya, 13160  
Thailand

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

#### **AC8120 Rev A - MedAccred Audit Criteria for Printed Circuit Board Assemblies (to be used on audits BEFORE 05-Mar-2023)**

- 04.0 General
- 05.0 Process Validation
- 06.0 Medical Record Keeping
  - 06.1 Device Master Record (DMR)
  - 06.2 Device History Record (DHR)
  - 06.3 Product Traceability
- 07.0 Foreign Object Damage and Foreign Object Debris (FOD) Prevention
- 08.0 Electrostatic Discharge (ESD) Management
- 09.0 Calibration
- 10.0 Preventive Maintenance
- 12.0 Purchasing and Authentic Component Assurance
- 13.0 Process Control
- 14.0 CAD/CAM Data
- 15.0 Receipt, Inspection & Control of Incoming Material
- 16.0 Storage and Handling of Received Materials
- 17.0 Component Programming
  - 17.1 Component Programming (Prior to Assembly)
  - 17.2 PCBA–Level Component Programming
- 18.0 Electronic Component Preparation
- 19.0 Stencil Printing
- 20.0 Component Placement
  - 20.1 Manual
  - 20.3 Automated Part Placement
  - 20.5 Through Hole Component Lead Trimming
- 21.0 In–Process Placement Verification / Inspection
  - 21.1 General

- 21.2 Visual
- 21.3 Automated Optical Inspection (AOI)
- 21.4 X-Ray
- 22.0 Assembly Soldering Processes
  - 22.1 Reflow Soldering
  - 22.2 Wave Soldering
  - 22.3 Selective Soldering
  - 22.4 Hand Soldering
- 24.0 PCBA Cleaning Process and Control
- 25.0 Coating and Encapsulation
  - 25.1 Coating and Encapsulation Process
  - 25.2 Coating and Encapsulation Inspection (Mandatory if 25.0 Coating and Encapsulation is checked)
- 26.0 Adhesive Bonding
- 27.0 Assembly Testing
  - 27.4 In-Circuit Testing
  - 27.6 Boundary Scan Testing
  - 27.8 Functional Testing
- 28.0 Final Acceptance Inspection
- 29.0 Rework
- 30.0 Storage, Handling & Packaging of Finished Goods