

# PENINSULA ELECTRONICS

"Coming together is the beginning,  
staying together is progress and  
working together is success"  
-Hendry Ford

# About Us

- Engaged in contract manufacturing of electronic assemblies, specialized in fine pitch SMT, BGA, LGA, QFN boards and products.
- EN9100:2018 certified. (AS9100D)
- ISO 9001:2015 certified.
- Managed by people with over 40 years of industry experience.
- Established in 1993 by Mr. V. Veeraraghavan, Mr. V.K. Harindran and Mr. Vinay L Deshpande, technocrats of repute.
- Peninsula Electronics has succeeded to a high degree, in customer orientation and Quality culture.
- Located on NGEF Ancillary Industrial estate, Graphite India Road, Bangalore, India
- Handles both Domestic and Export orders
- Material purchased by us or consigned by customer





# CERTIFICATE



This is to certify that

## PENINSULA ELECTRONICS

No. V-2-C NGEF Industrial Estate Graphite India Road Mahadevapura PO  
560048 Bangalore  
India

has implemented and maintains a **Quality Management System** for its certification structure  
Single Site.

Scope:

Electronics manufacturing services including Assembly of Printed Circuit Boards, Testing and Box  
build for Aerospace and Industrial Applications

Through an audit, performed in compliance with EN 9104-001:2013,  
it was verified that the management system fulfills the requirements  
of the following technically equivalent standards:

### EN 9100:2018

Equivalent to:  
**AS9100D**  
**JIS Q 9100:2016**

Certificate registration no. 50297301 AS0018D  
Issue date 2022-07-23  
Expiry date 2025-07-22  
Date of certification 2022-07-23



DQS GmbH

Markus Bleher  
Managing Director

DQS IS A MEMBER OF



Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany



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## PENINSULA ELECTRONICS

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560048 Bangalore  
India

has implemented and maintains a **Quality Management System**.

Scope:

Electronics manufacturing services including Assembly of Printed Circuit Boards, Testing and Box  
build for Aerospace and Industrial Applications

Through an audit, documented in a report, it was verified that the management system  
fulfills the requirements of the following standard:

### ISO 9001 : 2015

Certificate registration no. 50297301 QM15  
Valid from 2022-07-23  
Valid until 2025-07-22  
Date of certification 2022-07-22



DQS GmbH

Markus Bleher  
Managing Director

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# Quality policy, Vision, and Mission

## Quality Policy

*To be a leading player in the low volume high mix domain by delivering quality products and services to Aviation, Space, Defense and Allied sectors.*

*To constantly focus upon Customer centered thinking, Continual improvement, and Personnel willing to learn and take ownership for activities undertaken.*

*To build trust, confidence and appreciation of our customers by understanding their requirements, agreeing on a realistic solution, and honoring all commitments made.*

## Vision

*To be a preferred supplier for leading OEMs in the Aerospace & Defense sector, by providing high quality services that mitigate the project risk, and promote Atmanirbhar.*

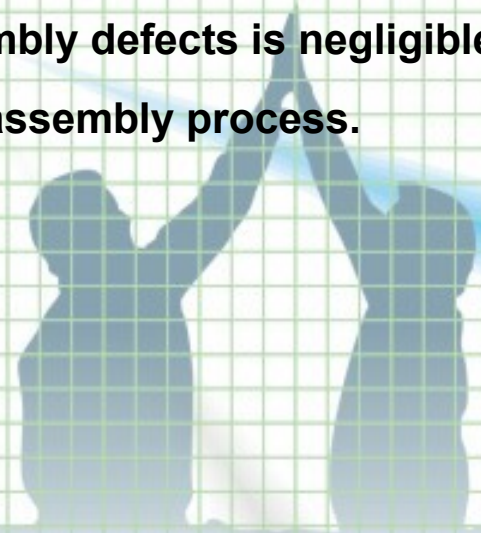
## Mission

*To continuously create capability and capacity, develop a high performance work culture, maintain a state-of-the-art infrastructure, collaborative work style, and strong partnerships.*

*Peninsula Electronics takes an agile, collaborative approach to creating customized solutions across the digital value chain.*

# Why Peninsula Electronics?

- **Superior Quality and workmanship. Highly skilled and experienced work force.**
- **Leading in the industry for 25+ years with a high experience in the Aviation, Defense and Allied sectors.**
- **Single point of solution from prototyping till production.**
- **Single point of solution from procurement, assembly, testing, box-build, product testing and shipping to multiple locations.**
- **Software assisted assembly and inspection process to eliminate manual errors.**
- **High success rate on the first pass yield.**
- **Additional time spent by our customers due to assembly defects is negligible.**
- **Follow IPC 610 Class 2 and Class 3 as the standard assembly process.**



# Our Services

- **Single Point solution for**

- Engineering support
- Prototyping
- Pilot Production
- Medium volume production (Typically 100 to 1000 boards per month)

## Testing

- PC or dedicated jig based Functional Testing.
- ICT / FPT can be out sourced
- Environment stress tests – Humidity/Temperature cycling -40C to 100C.
- Burn-in at room temperature or elevated temperature (up to 60 deg C)

## Procurement – Electronic and Mechanical parts

- Component procurement including Electronics, Mechanical, and plastic molded items.
- Specialized in procurement of low and medium volumes.
- Online/Catalogue companies for low volumes (eg. Digikey/Mouser/Newark/Farnell)
- Distributors and manufacturers representatives for volumes (eg. Future/Arrow/Avnet)
- Few qualified general traders in US & UK for difficult to source components.
- Qualified vendors available for sheet metal, plastics and 3D printing parts

# Capability

- Maximum PCB Size (Assembly) – 384mm X 480mm
- Maximum PCB Size (Conformal coating) – 400mm X 400mm
- Minimum component package – 01005
- Maximum component size – 56mm X 56mm
- BGA / LGA / QFN – From 0.4mm pitch (16 mils) upwards
- PLCC, SMD and TH packages
- PCB surface Finish – ENIG, HASL, LeadFree HASL, Ag, NTEK
- Unless specified the standard solder paste used is Amtech Syntech-LF. Provision available to use other solder paste as required by the customer.
- Solder types – Type 3, Type 4 & Type 5
- Coating material: Humiseal 1B31 or Alpha Coatings MAC25 used as standard. Any material with the thinner combination can be used as required by the customer



# Machinery

- Screen printer – DEK249
- Chip shooter – Yamaha YS12
- BGA/LGA/critical components placer – MYDATA MY9
- Reflow – SMR400
- AOI – Yamaha YS12i
- X-ray – Nordson Jade 2.5D
- Conformal coating – Easy coat 13655022020
- UV curing system
- UV inspection booth
- Press fit tool – EXACTA AJ

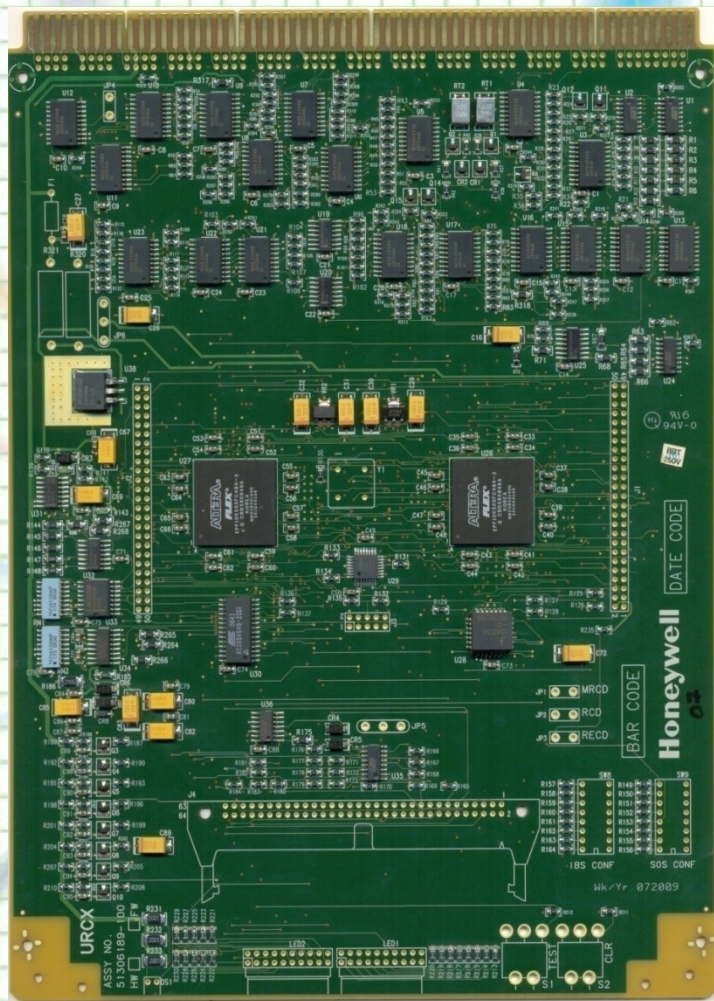
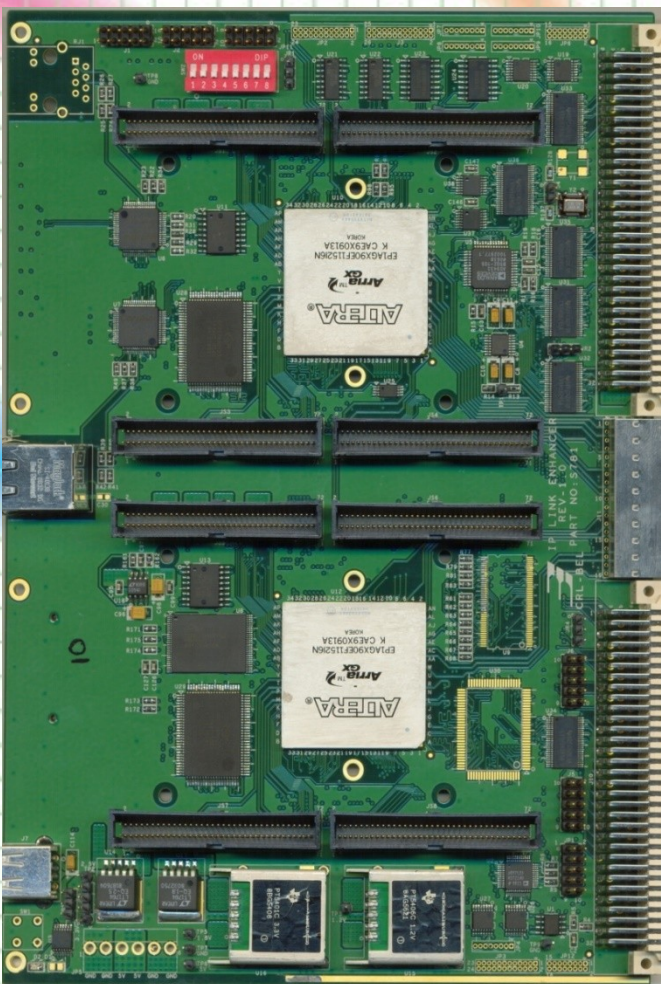


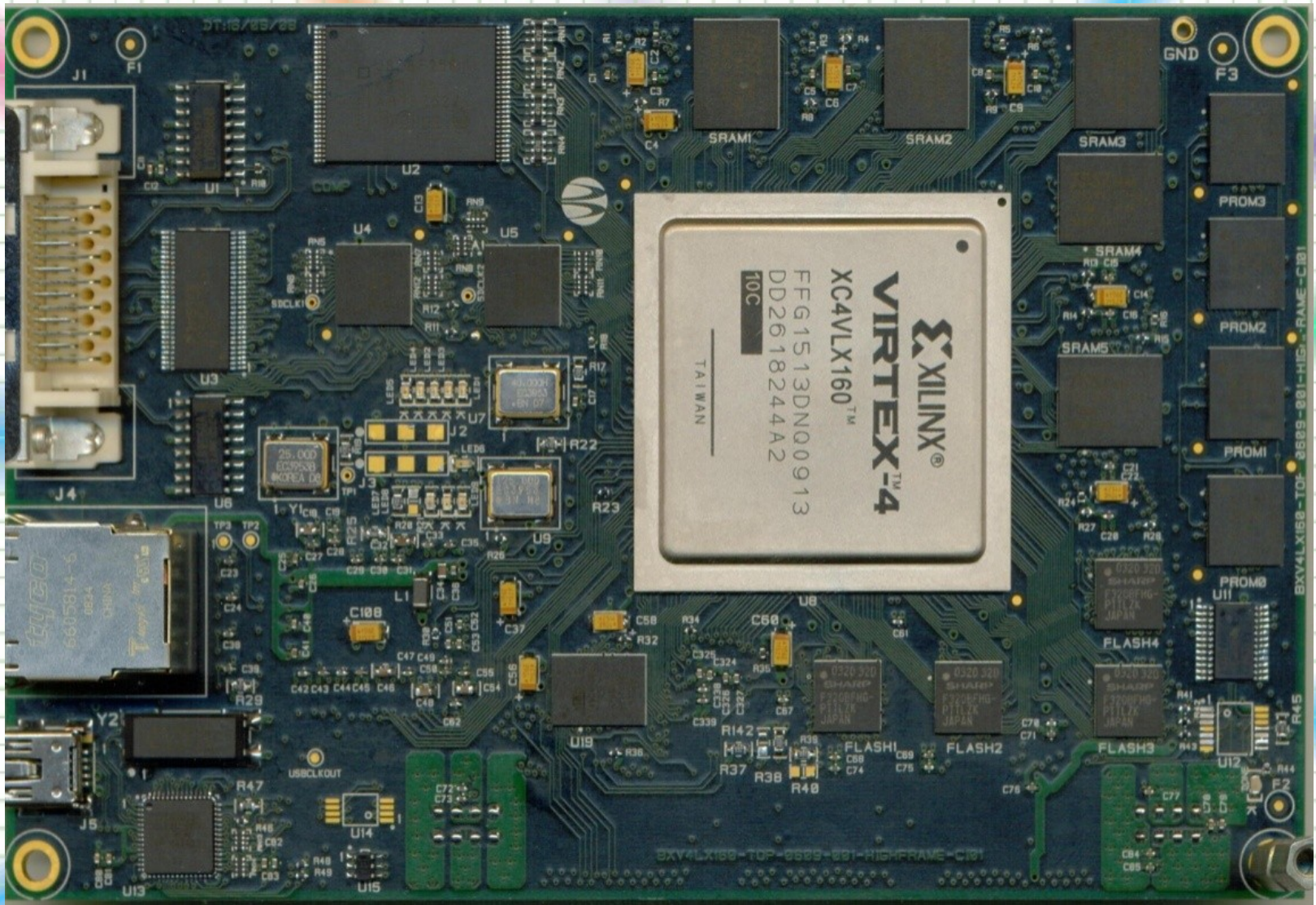
# List of Major Customers

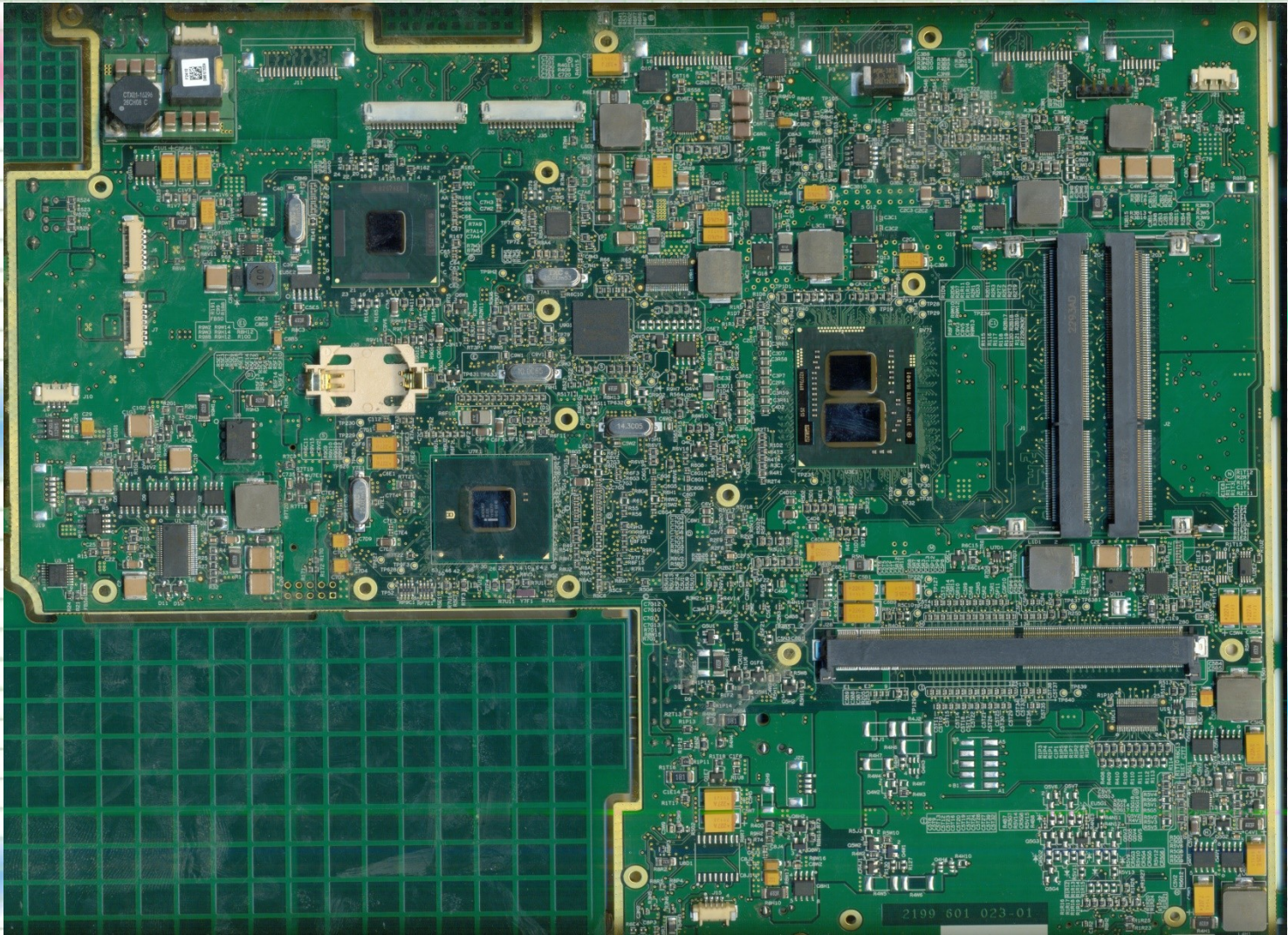
- Honeywell
- Thales India
- Bharat Electronics Limited
- Mistral Solutions
- L&T (Larsen & Toubro) Strategic Electronics Division
- Surtronic B. V, The Netherlands
- ARD, France
- Iwave Systems
- Tata Elxsi
- Seagate

















**Thank you**

