Product Change Notification

Product Group: SIL/Monday January 20, 2025/PCN-SIL-005-2025-REV-0

90MC Automotive MOSFET Process Transfer to Vishay Newport Limited

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Siliconix
2565 Junction Ave
-
San Jose CA United States 95134
Phone: (408) 988-8000
Fax:
business-americas@vishay.com

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
-
Selb Germany 95100
Phone: 49-9287-71 0
Fax: 49-9287-70435
business-europe@vishay.com

Asia

Vishay Intertechnology Asia Pte. Ltd
37A Tampines Street 92 #07-01
-
Singapore Singapore 528886
Phone: 65 6788 6668
Fax: 65 6788 0988
business-asia@vishay.com

Description of Change: In order to increase front end capacity, Vishay is transferring some production of select part numbers to Vishay Newport Limited located in Newport, Wales UK. A list of affected parts and their Newport counterparts can be found on page 3 of this PCN. An overview of our Newport facility is also included.

Reason for Change: Capacity Expansion

Expected Influence on Quality/Reliability/Performance: None

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Friday August 1, 2025

Sample Availability: Sample Availability is listed in page 3 of this PCN

Product Identification: Part Numbers are listed in page 3 of this PCN

Qualification Data: PPAP Availability is listed in page 3 of this PCN

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Friday July 25, 2025 or as specified by contract.

Issued By: Lance Gurrola, automostechsupport@vishay.com

SQD50P04-09L_GE3	SQD50P04-09L_T4GE3	SQD50P06-15L_GE3	SQD50P06-15L_T4GE3	SQD90P04-9M4L_GE3
SQJ459EP-T1_GE3	SQJ459EP-T2_GE3	SQJ459EP-T2_TE3	SQJ459EP-T1_BE3	SQJ459EP-T2_BE3
SQJ461EP-T1_GE3	SQJ461EP-T2_GE3	SQJ463EP-T1_GE3	SQJ463EP-T2_GE3	SQJ479EP-T1_BE3
SQJ479EP-T1_GE3	SQM100P10-19L_GE3	SQM120P04-04L_GE3	SQM120P06-07L_GE3	

Vishay Newport Overview

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List of Part Numbers Transferring to Newport

Current Ordering Part Number (VSIG)	New Ordering Part Number (Newport)	Sample Availability	PPAP Availability
SQD50P04-09L_GE3	SQD50P04-09L_NE3	March 2025	June 2025
SQD50P04-09L_T4GE3	SQD50P04-09L_T4NE3	March 2025	June 2025
SQD50P06-15L_GE3	SQD50P06-15L_NE3	March 2025	June 2025
SQD50P06-15L_T4GE3	SQD50P06-15L_T4NE3	March 2025	June 2025
SQD90P04-9M4L_GE3	SQD90P04-9M4L_NE3	March 2025	June 2025
SQJ459EP-T1_GE3	SQJ459EP-T1_NE3	Now	March 2025
SQJ459EP-T2_GE3	SQJ459EP-T2_NE3	Now	March 2025
SQJ459EP-T2_TE3	SQJ459EP-T2_NE3	Now	March 2025
SQJ459EP-T1_BE3	SQJ459EP-T1_NB3	August 2025	October 2025
SQJ459EP-T2_BE3	SQJ459EP-T2_NB3	August 2025	October 2025
SQJ461EP-T1_GE3	SQJ461EP-T1_NE3	April 2025	July 2025
SQJ461EP-T2_GE3	SQJ461EP-T2_NE3	April 2025	July 2025
SQJ463EP-T1_GE3	SQJ463EP-T1_NE3	April 2025	July 2025
SQJ463EP-T2_GE3	SQJ463EP-T2_NE3	April 2025	July 2025
SQJ479EP-T1_BE3	SQJ463EP-T1_NB3	August 2025	October 2025
SQJ479EP-T1_GE3	SQJ479EP-T1_NE3	Now	March 2025
SQM100P10-19L_GE3	SQM100P10-19L_NE3	March 2025	June 2025
SQM120P06-07L_GE3	SQM120P06-07L_NE3	March 2025	June 2025
SQM120P04-04L_GE3	SQM120P04-04L_NE3	March 2025	June 2025

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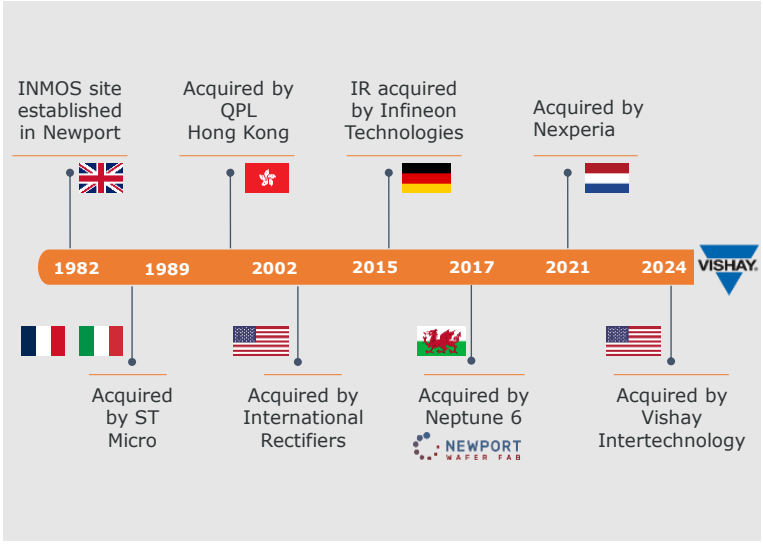
Vishay Newport Campus Summary

Wafer size	200mm
Capacity	32,000 wafers / month
Geometries	0.18+
Year Built	1998 (200mm Fab 11) 1982 (Former 150mm Fab 10)
Certifications	Automotive-certified; IATF16949, ISO 9001, ISO 14001, ISO 45001, and ISO 50001
Products	CMOS, MOSFET, FRD, IGBT, and TIGBT
Fab 11 (200mm)	39,288 ft² (3,650 m²) Class 1000 SMIF ballroom cleanroom with 37,673 ft² (3,500 m²) sub-fab and 5,167 ft² (480 m²) of expansion
Fab 10 (former 150mm)	27,556 ft² (2,560 m²) Class 1000 bay-and-chase cleanroom currently utilized for final operations and pre-assembly; 53,820 ft² (5,000 m²) of decommissioned cleanroom suitable for conversion
Campus / site size	28 Acres
Major tools	~300 well-maintained 200mm tools

Vishay Newport history



- **Vishay Acquisition Brings:**
  - Stability
  - Significant site Investment Plan
  - Creating a world class competitive FAB driven by both technology and cost
  - Secures 480 existing Jobs
  - Potential increase to > 900 jobs
  - High volume manufacturing of Compound Semiconductor (SiC / GaN)
  - Aligned with the UK semiconductor strategy and Net Zero initiatives
  - UK Sovereign Supply Chain
  - R&D Collaboration with UK Universities
  - Strengthen the CS Cluster

Location

Geography:

- Located on the western approach to the city of Newport, less than 2km from the main London to Cardiff motorway and main line rail station, providing excellent local road and rail infrastructure
- Also offering close proximity to international airports such as Cardiff (25 miles), Bristol (40 miles) and London Heathrow (120 miles)

Ecosystem:

- Physically situated in the World's first Compound Semiconductor Cluster with potential for collaboration
- CS Connected is Europe's 5th Semiconductor Cluster and World's First Compound Semiconductor Cluster
- Its focus is to create an end-to-end supply chain for Compound Semiconductor technologies
- Provides complete support ecosystem from Technology access through to High Volume Manufacturing chain

AUTOMOTIVE

VISHAY The DNA of tech.™

Academic Collaboration - Talent & Technology pipeline

Swansea University Prifysgol Abertawe

CISM

VISHAY The DNA of tech.™

General Data

1. Legal name and address for the wafer fab site
   a. Vishay Newport Limited,
      - Cardiff Road
      - Newport
      - NP10 8YJ
2. DUNS number of the facility
   a. 04338966
3. Qualifications
   a. Certified to ISO 9001/IATF 16949, ISO 14001, ISO 45001, ISO 50001 (certificates attached)
4. Fab data (cleanroom size, class, years of operation, history)
   a. See Vishay Newport Site Overview Summary

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Newport ISO 9001 and 14001 Certificates

LRQA

Certificate of Approval

This is to certify that the Management System of:

Vishay Newport Limited

Cardiff Road, South Wales, Newport, NP10 8YJ, United Kingdom

has been approved by LRQA to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0086223

The scope of this approval is applicable to:

Fabrication of semiconductor wafers.

David Derrick

Regional Director, UKAM

Issued by: LRQA Limited

LRQA

Certificate of Approval

This is to certify that the Management System of:

Vishay Newport Limited

Cardiff Road, Duffryn, Newport, NP10 8YJ, United Kingdom

has been approved by LRQA to the following standards:

ISO 14001:2015

Approval number(s): ISO 14001 – 0005000

The scope of this approval is applicable to:

Activities including and associated with fabrication of semiconductor wafers

Marta Escudero

Regional Director, United Kingdom and Americas (UKAM)

Issued by: LRQA Limited

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Newport ISO 45001 and 50001 Certificates

LRQA

Certificate of Approval

This is to certify that the Management System of:

Vishay Newport Limited

Cardiff Road, Duffryn, Newport, NP10 8YJ, United Kingdom

has been approved by LRQA to the following standards:

ISO 45001:2018

Approval number(s): ISO 45001 – 0008934

The scope of this approval is applicable to:

Activities including and associated with the fabrication of semiconductor wafers.

Marta Escudero

Regional Director, United Kingdom and Americas (UKAM)

Issued by: LRQA Limited

LRQA

Certificate of Approval

This is to certify that the Management System of:

Vishay Newport Limited

Cardiff Road, Duffryn, Newport, NP10 8YJ, United Kingdom

has been approved by LRQA to the following standards:

ISO 50001:2018

Approval number(s): ISO 50001 – 0009555

The scope of this approval is applicable to:

Activities including and associated with the manufacturing of semiconductor wafers.

Marta Escudero

Regional Director, United Kingdom and Americas (UKAM)

Issued by: LRQA Limited

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Newport IATF 16949 Certificate

LRQA

Certificate of Approval

This is to certify that the Management System of:

Vishay Newport Limited

Cardiff Road, South Wales, Newport, NP10 8YJ, United Kingdom

IATF USI: GAN3RH

has been approved by LRQA to the following standards:

IATF 16949:2016 (excluding product design)

Approval number(s): IATF 16949 – 0080222

The scope of this approval is applicable to:

Fabrication of semiconductor wafers.

David Derrick

Regional Director, UKAM

Issued by: LRQA Limited

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