# PPAP and Automotive Device Classification

ON Semiconductor®

Public Information

# What does PPAP mean?

**Production Part Approval Process (PPAP)**

- **PPAP provide the methods, procedures and forms to initiate PPAP submissions, preparation of the documentation required for submission, and the approval from customers when required (part of the Advanced Quality Planning process).**

- The purpose of the PPAP process is to ensure that suppliers of components comply with the design specification, can run consistently without affecting the customer line, and improve the quality systems. PPAP ensures that you will achieve the first time quality and will lower the cost of quality.

# PPAP Type

**Types of PPAPs:**

1. **New Part PPAP** (this might be newly developed part and also an existing part, but new part for a customer or new program for existing customer).
*  *Note – As ON Semiconductor has a broad portfolio and addresses various markets, not every ON Semiconductor part is PPAP capable.*

2. **Change Management PPAP** (this is documentation covering and related to a change initiated by ON Semiconductor).

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# PPAP Submission Level

**PPAP Submission levels are defined by** AIAG (Automotive Industry Action Group) standard as follows:

**Level 1 -** Warrant only (and for designated appearance items, and Appearance Approval Report) submitted to customer.

**Level 2 -** Warrant with product samples and limited supporting data submitted to customer.

**Level 3 -** Warrant with product samples and complete supporting data submitted to customer.

**Level 4 -** Warrant and other requirements as defined by customer.

**Level 5 -** Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.
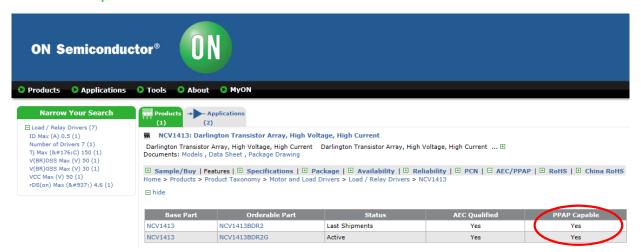
**ON Semiconductor is IATF16949 certified company and targeted PPAP submission level is PPAP Level 1, while full PPAP related information is available internally. In case the customer in interested in details, on site review can be organized.**

# ON Semiconductor Device Classification

**ON Semiconductor Automotive part numbers are PPAP capable and supported with PPAP documentation.**

PPAP capable flag is visible at : https://www.onsemi.com/PowerSolutions/aec.do



Note:
AEC qualification flag indicates the qualification level but does not specify if the part is automotive and PPAP capable.
ON Semiconductor offers a comprehensive portfolio of products also for non–automotive applications that may or may not reach AEC qualification level; these products are not PPAP capable and not recommended for automotive application use.

PPAP Contact: QualityBizSupport@onsemi.com

# ON Semiconductor Automotive Devices

**ON Semiconductor Automotive classified part numbers are :**

❑ **PPAP capable and supported with PPAP documentation**

❑ **Manufactured in compliance with IATF 16949 requirements**

❑ **Qualified to meet minimum AEC Q100 / 101 / 006 requirements**

❑ **Supported with automotive change management requirements and extended**

**validation window**